



## Corrigendum No. – 2

21.08.2025

**Tender Enquiry No- TPSODL/OT/2025-26/ 2500001007**

**Work Description - Rate Contract for System Improvement Works under the Elephant Corridor Program, on 'turnkey' basis.**

**Clause 1.3: Dates in Calendar of events revised as below**

|     |                                                                                  |                                                                          |
|-----|----------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| (a) | Last Date of receipt of Tender Fee                                               | Not Applicable                                                           |
| (b) | Date & Time of Pre-Bid Meeting (If any)                                          | Not Applicable                                                           |
| (c) | Last Date of receipt of pre-bid queries, if any                                  | Not Applicable                                                           |
| (d) | Last Date of Posting Consolidated replies to all the pre-bid queries as received | Not Applicable                                                           |
| (e) | Last date and time of receipt of Bids                                            | 25.08.2025 up to 17:00 Hours                                             |
| (f) | Date & Time of opening technical bids & EMD                                      | Will be notified to the bidders through our website / e-mail.            |
| (g) | Date & Time of opening of Price of qualified bids                                | Will be notified to the successful bidders through our website / e-mail. |

1. Revised schedule of items (ANNEXURE I)
2. Technical specification and Drawing.
3. Approved vendor list.

Apart from change in aforesaid clause, all other terms and conditions shall remain unchanged and shall be as per original tender document followed by corrigendum No. 1 and per-bid queries response.

Regards,

**Rajkishore Tripathy | Contracts**

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**TP SOUTHERN ODISHA DISTRIBUTION LIMITED**  
(A Tata Power and Odisha Government Joint Venture)

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*Note-This document does not require signature*

**TP SOUTHERN ODISHA DISTRIBUTION LIMITED**

(A Tata Power and Odisha Government Joint Venture)

Corporate office: Kamapalli, Courtpet, Berhampur, Ganjam, Odisha, India -760 004

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Corporate Identity Number (CIN) : U40300OR2020SGC035195

**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**BED-III**

| S.No. | Description of Item                                                            | UOM | QTY (A)    | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|--------------------------------------------------------------------------------|-----|------------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                    |     |            |                        |               |                                   |                                          |
| 2     | 9 mtr long 300 kg PSC pole                                                     | EA  | 16         |                        |               |                                   |                                          |
| 3     | 10 mtr long 330 kg PSC pole                                                    | EA  | 204        |                        |               |                                   |                                          |
| 4     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 793        |                        |               |                                   |                                          |
| 5     | RCC base Plate                                                                 | EA  | 220        |                        |               |                                   |                                          |
| 6     | <b>Conductor,Cable &amp; Accessories</b>                                       |     |            |                        |               |                                   |                                          |
| 7     | AAA conductor,100 mm2                                                          | M   | 120.00     |                        |               |                                   |                                          |
| 8     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 119119.5   |                        |               |                                   |                                          |
| 9     | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 36         |                        |               |                                   |                                          |
| 10    | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 694        |                        |               |                                   |                                          |
| 11    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 1157       |                        |               |                                   |                                          |
| 12    | Non metallic Tie for alignment 11kV                                            | EA  | 1504       |                        |               |                                   |                                          |
| 13    | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 73         |                        |               |                                   |                                          |
| 14    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 2.06       |                        |               |                                   |                                          |
| 15    | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 73         |                        |               |                                   |                                          |
| 16    | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 8          |                        |               |                                   |                                          |
| 17    | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 32         |                        |               |                                   |                                          |
| 18    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 400        |                        |               |                                   |                                          |
| 19    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 200        |                        |               |                                   |                                          |
| 20    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 200        |                        |               |                                   |                                          |
| 21    | Cap cable end for ABC 35SQMM                                                   | EA  | 24         |                        |               |                                   |                                          |
| 22    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 44         |                        |               |                                   |                                          |
| 23    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 73         |                        |               |                                   |                                          |
| 24    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 73         |                        |               |                                   |                                          |
| 25    | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 4          |                        |               |                                   |                                          |
| 26    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 4          |                        |               |                                   |                                          |
| 27    | <b>DANGER Plate</b>                                                            |     |            |                        |               |                                   |                                          |
| 28    | Danger Plate, 11kV                                                             | Nos | 997        |                        |               |                                   |                                          |
| 29    | BOARD DANGER 400/440 VOLT                                                      | Nos | 16         |                        |               |                                   |                                          |
| 30    | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 304.8117   |                        |               |                                   |                                          |
| 31    | <b>AB Switch</b>                                                               |     |            |                        |               |                                   |                                          |
| 32    | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 6          |                        |               |                                   |                                          |
| 33    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 344.16     |                        |               |                                   |                                          |
| 34    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 40.15      |                        |               |                                   |                                          |
| 35    | <b>V-Cross Arm</b>                                                             |     |            |                        |               |                                   |                                          |
| 36    | 11kV V cross Arm (GI)                                                          | Nos | 286        |                        |               |                                   |                                          |
| 37    | GI Back Clamp for 11kV "V" Cros Arm                                            | Nos | 286        |                        |               |                                   |                                          |
| 38    | Top bracket 100X50X5mm GI channel                                              | Nos | 716        |                        |               |                                   |                                          |
| 39    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |            |                        |               |                                   |                                          |
| 40    | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 372.84     |                        |               |                                   |                                          |
| 41    | Top Channel 100X50X5mm, each channel length 2.3 mtr.                           | Kg  | 314.16     |                        |               |                                   |                                          |
| 42    | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.            | Kg  | 3537.9648  |                        |               |                                   |                                          |
| 43    | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.       | Kg  | 902.181024 |                        |               |                                   |                                          |
| 44    | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.         | Kg  | 514.08     |                        |               |                                   |                                          |
| 45    | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.       | Kg  | 34.27      |                        |               |                                   |                                          |
| 46    | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                        | Kg  | 379.30     |                        |               |                                   |                                          |
| 47    | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                     | Kg  | 573.94     |                        |               |                                   |                                          |
| 48    | GI Nut , Bolt & Washer of different sizes                                      | Kg  | 4686.645   |                        |               |                                   |                                          |
| 49    | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                          | Kg  | 314.16     |                        |               |                                   |                                          |
| 50    | <b>GI Barbed Wire</b>                                                          |     |            |                        |               |                                   |                                          |
| 51    | GI barbed wire anticlimbing device                                             | Kg  | 3039       |                        |               |                                   |                                          |
| 52    | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                  | Kg  | 1219.2468  |                        |               |                                   |                                          |
| 53    | Anticlimbing device Pole Spike                                                 | Nos | 1013       |                        |               |                                   |                                          |
| 54    | <b>Insulator &amp; Hardware Fittings</b>                                       |     |            |                        |               |                                   |                                          |
| 55    | 11kV,5kN pin insulator polymer                                                 | Nos | 2241       |                        |               |                                   |                                          |
| 56    | 11kV H/W fitting(B&S) 70KN,3 Bolt                                              | Set | 36         |                        |               |                                   |                                          |
| 57    | 11kV Disc insulator (B&S) 70KN polymer                                         | EA  | 730        |                        |               |                                   |                                          |

|    |                                                                                                  |      |         |  |  |  |  |
|----|--------------------------------------------------------------------------------------------------|------|---------|--|--|--|--|
| 58 | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 694     |  |  |  |  |
| 59 | Eye hook                                                                                         | Nos  | 24      |  |  |  |  |
| 60 | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 116     |  |  |  |  |
| 61 | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 37      |  |  |  |  |
| 62 | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 16      |  |  |  |  |
| 63 | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 12      |  |  |  |  |
| 64 | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 4       |  |  |  |  |
| 65 | <b>GI Wire &amp; Flat</b>                                                                        |      |         |  |  |  |  |
| 66 | Earthing of Support ( Coil Type )                                                                | Nos  | 1013    |  |  |  |  |
| 67 | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 16      |  |  |  |  |
| 68 | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 8.88    |  |  |  |  |
| 69 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 431.716 |  |  |  |  |
| 70 | 50X6 mm GI Flat                                                                                  | Kg   | 96      |  |  |  |  |
| 71 | <b>HT &amp; LT Stay</b>                                                                          |      |         |  |  |  |  |
| 72 | H.T 33kV Stay set (Complete)                                                                     | Set  | 232     |  |  |  |  |
| 73 | H.T 11kV Stay set (Complete)                                                                     | Set  | 34      |  |  |  |  |
| 74 | H.T Stay clamp                                                                                   | Pair | 266     |  |  |  |  |
| 75 | H.T Stay Insulator                                                                               | Nos  | 497     |  |  |  |  |
| 76 | LT Stay Set (Complete)                                                                           | Set  | 4       |  |  |  |  |
| 77 | LT Stay Insulator                                                                                | EA   | 4       |  |  |  |  |
| 78 | LT Stay clamp                                                                                    | Pair | 4       |  |  |  |  |
| 79 | 7/12 SWG Stay Wire                                                                               | Kg   | 32      |  |  |  |  |
| 80 | 7/10 SWG Stay Wire                                                                               | Kg   | 340     |  |  |  |  |
| 81 | 7/8 SWG Stay Wire                                                                                | kg   | 3469.5  |  |  |  |  |
| 82 | <b>Lightning Arrester</b>                                                                        |      |         |  |  |  |  |
| 83 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 18      |  |  |  |  |
| 84 | <b>Paint</b>                                                                                     |      |         |  |  |  |  |
| 85 | Black Paint                                                                                      | Ltr  | 506.5   |  |  |  |  |
| 86 | Yellow Colour Paint for Background                                                               | Ltr  | 1013    |  |  |  |  |
| 87 | Supply, Installation & commissioning of Aniders                                                  | Nos  | 2.00    |  |  |  |  |

**Total All Inclusive Value (Rs.) (A)**

**Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials**

| S. No. | Description of Item                                                            | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|--------------------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | <b>Pole</b>                                                                    |     |         |                        |               |                                   |                                          |
| 2      | 9 mtr long 300 kg PSC pole                                                     | EA  | 16      |                        |               |                                   |                                          |
| 3      | 10 mtr long 330 kg PSC pole                                                    | EA  | 204     |                        |               |                                   |                                          |
| 4      | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 793     |                        |               |                                   |                                          |
| 5      | RCC base Plate                                                                 | EA  | 220     |                        |               |                                   |                                          |
| 6      | <b>Conductor,Cable &amp; Accessories</b>                                       |     |         |                        |               |                                   |                                          |
| 7      | AAA conductor,100 mm2                                                          | M   | 120     |                        |               |                                   |                                          |
| 8      | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 119120  |                        |               |                                   |                                          |
| 9      | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 36      |                        |               |                                   |                                          |
| 10     | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 694     |                        |               |                                   |                                          |
| 11     | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 1157    |                        |               |                                   |                                          |
| 12     | Non metallic Tie for alignment 11kV                                            | EA  | 1504    |                        |               |                                   |                                          |
| 13     | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 73      |                        |               |                                   |                                          |
| 14     | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 2       |                        |               |                                   |                                          |
| 15     | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 73      |                        |               |                                   |                                          |
| 16     | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 8       |                        |               |                                   |                                          |
| 17     | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 32      |                        |               |                                   |                                          |
| 18     | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 400     |                        |               |                                   |                                          |
| 19     | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 200     |                        |               |                                   |                                          |
| 20     | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 200     |                        |               |                                   |                                          |
| 21     | Cap cable end for ABC 35SQMM                                                   | EA  | 24      |                        |               |                                   |                                          |
| 22     | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 44      |                        |               |                                   |                                          |
| 23     | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 73      |                        |               |                                   |                                          |
| 24     | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 73      |                        |               |                                   |                                          |
| 25     | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 4       |                        |               |                                   |                                          |
| 26     | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 4       |                        |               |                                   |                                          |
| 27     | <b>RMU</b>                                                                     |     |         |                        |               |                                   |                                          |
| 28     | <b>DANGER Plate</b>                                                            |     |         |                        |               |                                   |                                          |
| 29     | Danger Plate, 11kV                                                             | Nos | 997     |                        |               |                                   |                                          |
| 30     | BOARD DANGER 400/440 VOLT                                                      | Nos | 16      |                        |               |                                   |                                          |
| 31     | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 305     |                        |               |                                   |                                          |

|    |                                                                                                  |      |      |  |  |  |  |
|----|--------------------------------------------------------------------------------------------------|------|------|--|--|--|--|
| 32 | <b>AB Switch</b>                                                                                 |      |      |  |  |  |  |
| 33 | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                                   | Set  | 6    |  |  |  |  |
| 34 | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                                     | Kg   | 344  |  |  |  |  |
| 35 | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.                          | Kg   | 40   |  |  |  |  |
| 36 | <b>V-Cross Arm</b>                                                                               |      |      |  |  |  |  |
| 37 | 11kV V cross Arm (GI)                                                                            | Nos  | 285  |  |  |  |  |
| 38 | GI Back Clamp for 11kV 'V' Cros Arm                                                              | Nos  | 285  |  |  |  |  |
| 39 | Top bracket 100X50X5mm GI channel                                                                | Nos  | 715  |  |  |  |  |
| 40 | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                                             |      |      |  |  |  |  |
| 41 | Top Channel 100X50X5mm,each channel length 3.25 mtr                                              | Kg   | 373  |  |  |  |  |
| 42 | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                             | Kg   | 314  |  |  |  |  |
| 43 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                              | Kg   | 3538 |  |  |  |  |
| 44 | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                         | Kg   | 902  |  |  |  |  |
| 45 | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.                           | Kg   | 514  |  |  |  |  |
| 46 | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 34   |  |  |  |  |
| 47 | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 379  |  |  |  |  |
| 48 | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 574  |  |  |  |  |
| 49 | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 4687 |  |  |  |  |
| 50 | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314  |  |  |  |  |
| 51 | <b>GI Barbed Wire</b>                                                                            |      |      |  |  |  |  |
| 52 | GI barbed wire anticlimbing device                                                               | Kg   | 3039 |  |  |  |  |
| 53 | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 1219 |  |  |  |  |
| 54 | Anticlimbing device Pole Spike                                                                   | Nos  | 1013 |  |  |  |  |
| 55 | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |      |  |  |  |  |
| 56 | 11kV,5kN pin insulator polymer                                                                   | Nos  | 2241 |  |  |  |  |
| 57 | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 36   |  |  |  |  |
| 58 | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 730  |  |  |  |  |
| 59 | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 694  |  |  |  |  |
| 60 | Eye hook                                                                                         | Nos  | 24   |  |  |  |  |
| 61 | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 116  |  |  |  |  |
| 62 | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 37   |  |  |  |  |
| 63 | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 16   |  |  |  |  |
| 64 | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 12   |  |  |  |  |
| 65 | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 4    |  |  |  |  |
| 66 | <b>GI Wire &amp; Flat</b>                                                                        |      |      |  |  |  |  |
| 67 | Earthing of Support ( Coil Type )                                                                | Nos  | 1013 |  |  |  |  |
| 68 | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 16   |  |  |  |  |
| 69 | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 9    |  |  |  |  |
| 70 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 432  |  |  |  |  |
| 71 | 50X6 mm GI Flat                                                                                  | Kg   | 96   |  |  |  |  |
| 72 | <b>HT &amp; LT Stay</b>                                                                          |      |      |  |  |  |  |
| 73 | H.T 33kV Stay set (Complete)                                                                     | Set  | 232  |  |  |  |  |
| 74 | H.T 11kV Stay set (Complete)                                                                     | Set  | 34   |  |  |  |  |
| 75 | H.T Stay clamp                                                                                   | Pair | 266  |  |  |  |  |
| 76 | H.T Stay Insulator                                                                               | Nos  | 497  |  |  |  |  |
| 77 | LT Stay Set (Complete)                                                                           | Set  | 4    |  |  |  |  |
| 78 | LT Stay Insulator                                                                                | EA   | 4    |  |  |  |  |
| 79 | LT Stay clamp                                                                                    | Pair | 4    |  |  |  |  |
| 80 | 7/12 SWG Stay Wire                                                                               | Kg   | 32   |  |  |  |  |
| 81 | 7/10 SWG Stay Wire                                                                               | Kg   | 340  |  |  |  |  |
| 82 | 7/8 SWG Stay Wire                                                                                | kg   | 3470 |  |  |  |  |
| 83 | <b>Lightning Arrester</b>                                                                        |      |      |  |  |  |  |
| 84 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 18   |  |  |  |  |
| 85 | <b>Paint</b>                                                                                     |      |      |  |  |  |  |
| 86 | Black Paint                                                                                      | Ltr  | 507  |  |  |  |  |
| 87 | Yellow Colour Paint for Background                                                               | Ltr  | 1013 |  |  |  |  |

**Total All Inclusive Value ( Rs.) (B)**

**Elephant Corridor - PART C: Civil & Services**

| S. No. | Description of Item                                     | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | Concreting of poles in ratio 1:1.5:3 for 9MTR PSC POLE  | Nos | 16.000  |                        |               |                                   |                                          |
| 2      | Concreting of poles in ratio 1:1.5:3 for 10MTR PSC POLE | Nos | 204     |                        |               |                                   |                                          |
| 3      | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE | Nos | 793     |                        |               |                                   |                                          |
| 4      | Couping of poles in ratio 1:1.5:3 for 9MTR PSC POLE     | Nos | 16.000  |                        |               |                                   |                                          |
| 5      | Couping of poles in ratio 1:1.5:3 for 10MTR PSC POLE    | Nos | 204     |                        |               |                                   |                                          |
| 6      | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE    | Nos | 793     |                        |               |                                   |                                          |





**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**GNED**

| S.No. | Description of Item                                                                                                                                 | UOM | QTY (A)    | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                                                                                         |     |            |                        |               |                                   |                                          |
| 2     | 8 mtr long 200 kg PSC pole                                                                                                                          | EA  | 173        |                        |               |                                   |                                          |
| 3     | 9 mtr long 300 kg PSC pole                                                                                                                          | EA  | 263        |                        |               |                                   |                                          |
| 4     | 10 mtr long 330 kg PSC pole                                                                                                                         | EA  | 1831       |                        |               |                                   |                                          |
| 5     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                                                                                       | EA  | 2849       |                        |               |                                   |                                          |
| 6     | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                                                                                       | EA  | 4          |                        |               |                                   |                                          |
| 7     | RCC base Plate                                                                                                                                      | EA  | 2267       |                        |               |                                   |                                          |
| 8     | <b>Conductor,Cable &amp; Accessories</b>                                                                                                            |     |            |                        |               |                                   |                                          |
| 9     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                                                                                            | M   | 436771.5   |                        |               |                                   |                                          |
| 10    | PG Clamp for 100 mm2 AAAC conductor                                                                                                                 | EA  | 36         |                        |               |                                   |                                          |
| 11    | PG Clamp for 148 mm2 AAAC conductor                                                                                                                 | Nos | 12         |                        |               |                                   |                                          |
| 12    | IPC for Covered Conductor 11 KV 100 Sqmm                                                                                                            | EA  | 2545       |                        |               |                                   |                                          |
| 13    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.                                                                                  | EA  | 4241       |                        |               |                                   |                                          |
| 14    | Non metallic Tie for alignment 11kV                                                                                                                 | EA  | 5513       |                        |               |                                   |                                          |
| 15    | 11kV AL 3CX400 Sqmm XLPE Cable armoured A2XCWY-FRLSH                                                                                                | M   | 720.00     |                        |               |                                   |                                          |
| 16    | 3CX400 mm2 33KV XLPE Cable (Armoured), A2XWY                                                                                                        | M   | 240        |                        |               |                                   |                                          |
| 17    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(outdoor type)                                                                           | Nos | 12         |                        |               |                                   |                                          |
| 18    | Heat shrinkable jointing kit for 3Cx400 mm² 33KV XLPE Cable(outdoor type)                                                                           | Nos | 4          |                        |               |                                   |                                          |
| 19    | High Density Polyethelene (HDPE) pipe 200mm diameter, PE 80-PN8                                                                                     | M   | 720        |                        |               |                                   |                                          |
| 20    | High Density Polyethelene (HDPE) pipe 160mm diameter, PE 80-PN8                                                                                     | M   | 240        |                        |               |                                   |                                          |
| 21    | Clamp for pipe (for 160 & 200mm dia)                                                                                                                | Nos | 32         |                        |               |                                   |                                          |
| 22    | LT Distribution Box Polycarbonate 10 Way                                                                                                            | EA  | 1183       |                        |               |                                   |                                          |
| 23    | 1.1KV LT AB Cable 2X35+1x25mm2                                                                                                                      | Km  | 7.519      |                        |               |                                   |                                          |
| 24    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                                                                                                 | Km  | 15.45      |                        |               |                                   |                                          |
| 25    | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                                                                                                 | km  | 10.815     |                        |               |                                   |                                          |
| 26    | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                                                                                     | M   | 1183       |                        |               |                                   |                                          |
| 27    | Gland for 1.1kV Al 4CX25 Sq.mm                                                                                                                      | EA  | 132        |                        |               |                                   |                                          |
| 28    | Lug AL Crimping 25 Sqmm XLPE Single hole                                                                                                            | EA  | 525        |                        |               |                                   |                                          |
| 29    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                                 | M   | 6560       |                        |               |                                   |                                          |
| 30    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                                | M   | 3280       |                        |               |                                   |                                          |
| 31    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                                | M   | 2550       |                        |               |                                   |                                          |
| 32    | Cap cable end for ABC 35SQMM                                                                                                                        | EA  | 394        |                        |               |                                   |                                          |
| 33    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm                                                                      | EA  | 561        |                        |               |                                   |                                          |
| 34    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm                                                                        | EA  | 1183       |                        |               |                                   |                                          |
| 35    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm                                                                       | EA  | 1183       |                        |               |                                   |                                          |
| 36    | Natural connector Type B suitable for Main 35 to 70 sq mm AAAC& Tap-2.5 to 10 sq mm Service cable cover by black weather resistant insulation cover | EA  | 59         |                        |               |                                   |                                          |
| 37    | STEEL STRAP SIZE 20 MMX50 M LONG                                                                                                                    | ROL | 65.6       |                        |               |                                   |                                          |
| 38    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                                                                                            | EA  | 66         |                        |               |                                   |                                          |
| 39    | <b>RMU</b>                                                                                                                                          |     |            |                        |               |                                   |                                          |
| 40    | <b>DANGER Plate</b>                                                                                                                                 |     |            |                        |               |                                   |                                          |
| 41    | Danger Plate, 33kV                                                                                                                                  | Nos | 4          |                        |               |                                   |                                          |
| 42    | Danger Plate, 11kV                                                                                                                                  | Nos | 4668       |                        |               |                                   |                                          |
| 43    | BOARD DANGER 400/440 VOLT                                                                                                                           | Nos | 435.4      |                        |               |                                   |                                          |
| 44    | Back Clamp (25X3 mm. flat) for danger Plate                                                                                                         | Kg  | 1540.42746 |                        |               |                                   |                                          |
| 45    | <b>AB Switch</b>                                                                                                                                    |     |            |                        |               |                                   |                                          |
| 46    | <b>V-Cross Arm</b>                                                                                                                                  |     |            |                        |               |                                   |                                          |
| 47    | 11kV V cross Arm (GI)                                                                                                                               | Nos | 286        |                        |               |                                   |                                          |
| 48    | GI Back Clamp for 11kV "V" Cros Arm                                                                                                                 | Nos | 286        |                        |               |                                   |                                          |
| 49    | Top bracket 100X50X5mm GI channel                                                                                                                   | Nos | 3679       |                        |               |                                   |                                          |
| 50    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                                                                                                |     |            |                        |               |                                   |                                          |
| 51    | Top Channel 100X50X5mm, each channel length 4.3 mtr.                                                                                                | Kg  | 87.952     |                        |               |                                   |                                          |
| 52    | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                                                                                | Kg  | 578.016    |                        |               |                                   |                                          |
| 53    | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                                                                                 | Kg  | 12972.5376 |                        |               |                                   |                                          |
| 54    | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                                                                            | Kg  | 3307.99709 |                        |               |                                   |                                          |
| 55    | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr                                                                               | Kg  | 285.6      |                        |               |                                   |                                          |
| 56    | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.                                                                                | Kg  | 856.8      |                        |               |                                   |                                          |
| 57    | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.                                                                               | Kg  | 192.312    |                        |               |                                   |                                          |

|     |                                                                                                  |      |            |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------|------|------------|--|--|--|--|
| 58  | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                                          | Kg   | 576.936    |  |  |  |  |
| 59  | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 2030.60    |  |  |  |  |
| 60  | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 17075.683  |  |  |  |  |
| 61  | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314.16     |  |  |  |  |
| 62  | <b>GI Barbed Wire</b>                                                                            |      |            |  |  |  |  |
| 63  | GI barbed wire anticlimbing device                                                               | Kg   | 15358.2    |  |  |  |  |
| 64  | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 6005.54274 |  |  |  |  |
| 65  | Anticlimbing device Pole Spike                                                                   | Nos  | 13554      |  |  |  |  |
| 66  | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |            |  |  |  |  |
| 67  | 33kV,10kN pin insulator polymer                                                                  | Nos  | 6          |  |  |  |  |
| 68  | 11kV,5kN pin insulator polymer                                                                   | Nos  | 11337      |  |  |  |  |
| 69  | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                               | Set  | 12         |  |  |  |  |
| 70  | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 36         |  |  |  |  |
| 71  | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 12         |  |  |  |  |
| 72  | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 2581       |  |  |  |  |
| 73  | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 2545       |  |  |  |  |
| 74  | Suspension Clamp                                                                                 | Pair | 173        |  |  |  |  |
| 75  | Eye hook                                                                                         | Nos  | 259        |  |  |  |  |
| 76  | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 425        |  |  |  |  |
| 77  | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 592        |  |  |  |  |
| 78  | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 436        |  |  |  |  |
| 79  | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 197        |  |  |  |  |
| 80  | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 66         |  |  |  |  |
| 81  | <b>GI Wire &amp; Flat</b>                                                                        |      |            |  |  |  |  |
| 82  | Earthing of Support ( Coil Type )                                                                | Nos  | 5120       |  |  |  |  |
| 83  | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 58         |  |  |  |  |
| 84  | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 8.88       |  |  |  |  |
| 85  | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 1507.5928  |  |  |  |  |
| 86  | 25X6 mm GI Flat                                                                                  | Kg   | 320        |  |  |  |  |
| 87  | 50X6 mm GI Flat                                                                                  | Kg   | 108        |  |  |  |  |
| 88  | <b>HT &amp; LT Stay</b>                                                                          |      |            |  |  |  |  |
| 89  | H.T 33kV Stay set (Complete)                                                                     | Set  | 881        |  |  |  |  |
| 90  | H.T 11kV Stay set (Complete)                                                                     | Set  | 10         |  |  |  |  |
| 91  | H.T Stay clamp                                                                                   | Pair | 891        |  |  |  |  |
| 92  | H.T Stay Insulator                                                                               | Nos  | 1739       |  |  |  |  |
| 93  | LT Stay Set (Complete)                                                                           | Set  | 66         |  |  |  |  |
| 94  | LT Stay Insulator                                                                                | EA   | 66         |  |  |  |  |
| 95  | LT Stay clamp                                                                                    | Pair | 66         |  |  |  |  |
| 96  | 7/12 SWG Stay Wire                                                                               | Kg   | 524.8      |  |  |  |  |
| 97  | 7/10 SWG Stay Wire                                                                               | Kg   | 340        |  |  |  |  |
| 98  | 7/8 SWG Stay Wire                                                                                | kg   | 12801.5    |  |  |  |  |
| 99  | <b>Lightning Arrester</b>                                                                        |      |            |  |  |  |  |
| 100 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 18         |  |  |  |  |
| 101 | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                                           | Nos  | 6          |  |  |  |  |
| 102 | <b>Paint</b>                                                                                     |      |            |  |  |  |  |
| 103 | Black Paint                                                                                      | Ltr  | 2559.7     |  |  |  |  |
| 104 | Yellow Colour Paint for Background                                                               | Ltr  | 5119.4     |  |  |  |  |
| 105 | Supply, Installation & commissioning of Aniders                                                  | Nos  | 2.00       |  |  |  |  |

**Total All Inclusive Value (Rs.) (A)**

**Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials**

| S. No. | Description of Item                                                | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|--------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | <b>Pole</b>                                                        |     |         |                        |               |                                   |                                          |
| 2      | 8 mtr long 200 kg PSC pole                                         | EA  | 173     |                        |               |                                   |                                          |
| 3      | 9 mtr long 300 kg PSC pole                                         | EA  | 263     |                        |               |                                   |                                          |
| 4      | 10 mtr long 330 kg PSC pole                                        | EA  | 1831    |                        |               |                                   |                                          |
| 5      | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12      | EA  | 2849    |                        |               |                                   |                                          |
| 6      | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12      | EA  | 4       |                        |               |                                   |                                          |
| 7      | RCC base Plate                                                     | EA  | 2267    |                        |               |                                   |                                          |
| 8      | <b>Conductor,Cable &amp; Accessories</b>                           |     |         |                        |               |                                   |                                          |
| 9      | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                           | M   | 436772  |                        |               |                                   |                                          |
| 10     | PG Clamp for 100 mm2 AAAC conductor                                | EA  | 36      |                        |               |                                   |                                          |
| 11     | PG Clamp for 148 mm2 AAAC conductor                                | Nos | 12      |                        |               |                                   |                                          |
| 12     | IPC for Covered Conductor 11 KV 100 Sqmm                           | EA  | 2545    |                        |               |                                   |                                          |
| 13     | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND. | EA  | 4241    |                        |               |                                   |                                          |
| 14     | Non metallic Tie for alignment 11kV                                | EA  | 5513    |                        |               |                                   |                                          |

|    |                                                                                                                                                    |      |       |  |  |  |  |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--|--|--|--|
| 15 | Clamp for pipe (for 160 & 200mm dia)                                                                                                               | Nos  | 32    |  |  |  |  |
| 16 | LT Distribution Box Polycarbonate 10 Way                                                                                                           | EA   | 1183  |  |  |  |  |
| 17 | 1.1KV LT AB Cable 2X35+1x25mm <sup>2</sup>                                                                                                         | Km   | 8     |  |  |  |  |
| 18 | 1.1KV LT AB Cable 4x35+1x35+1x16mm <sup>2</sup>                                                                                                    | Km   | 15    |  |  |  |  |
| 19 | 1.1KV LT AB Cable 4x50+1x50+1x16mm <sup>2</sup>                                                                                                    | km   | 11    |  |  |  |  |
| 20 | 1.1kv Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                                                                                    | M    | 1183  |  |  |  |  |
| 21 | Gland for 1.1kv Al 4CX25 Sq.mm                                                                                                                     | EA   | 132   |  |  |  |  |
| 22 | Lug AL Crimping 25 Sqmm XLPE Single hole                                                                                                           | EA   | 525   |  |  |  |  |
| 23 | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                                | M    | 6560  |  |  |  |  |
| 24 | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                               | M    | 3280  |  |  |  |  |
| 25 | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                               | M    | 2550  |  |  |  |  |
| 26 | Cap cable end for ABC 35SQMM                                                                                                                       | EA   | 394   |  |  |  |  |
| 27 | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm                                                                     | EA   | 561   |  |  |  |  |
| 28 | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm                                                                       | EA   | 1183  |  |  |  |  |
| 29 | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm                                                                      | EA   | 1183  |  |  |  |  |
| 30 | Natural connector Type B suitable for Main 35 to 70 sq mm AAC& Tap-2.5 to 10 sq mm Service cable cover by black weather resistant insulation cover | EA   | 59    |  |  |  |  |
| 31 | STEEL STRAP SIZE 20 MMX50 M LONG                                                                                                                   | ROL  | 66    |  |  |  |  |
| 32 | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                                                                                           | EA   | 66    |  |  |  |  |
| 33 | <b>RMU</b>                                                                                                                                         |      |       |  |  |  |  |
| 34 | <b>DANGER Plate</b>                                                                                                                                |      |       |  |  |  |  |
| 35 | Danger Plate, 33kV                                                                                                                                 | Nos  | 4     |  |  |  |  |
| 36 | Danger Plate, 11kV                                                                                                                                 | Nos  | 4668  |  |  |  |  |
| 37 | BOARD DANGER 400/440 VOLT                                                                                                                          | Nos  | 435   |  |  |  |  |
| 38 | Back Clamp (25X3 mm. flat) for danger Plate                                                                                                        | Kg   | 1540  |  |  |  |  |
| 39 | <b>AB Switch</b>                                                                                                                                   |      |       |  |  |  |  |
| 40 | <b>V-Cross Arm</b>                                                                                                                                 |      |       |  |  |  |  |
| 41 | 11kV V cross Arm (GI)                                                                                                                              | Nos  | 285   |  |  |  |  |
| 42 | GI Back Clamp for 11kV 'V' Cros Arm                                                                                                                | Nos  | 285   |  |  |  |  |
| 43 | Top bracket 100X50X5mm GI channel                                                                                                                  | Nos  | 3679  |  |  |  |  |
| 44 | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                                                                                               |      |       |  |  |  |  |
| 45 | Top Channel 100X50X5mm, each channel length 4.3 mtr.                                                                                               | Kg   | 88    |  |  |  |  |
| 46 | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                                                                               | Kg   | 578   |  |  |  |  |
| 47 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                                                                                | Kg   | 12973 |  |  |  |  |
| 48 | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                                                                           | Kg   | 3308  |  |  |  |  |
| 49 | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr                                                                              | Kg   | 286   |  |  |  |  |
| 50 | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.                                                                               | Kg   | 857   |  |  |  |  |
| 51 | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.                                                                              | Kg   | 192   |  |  |  |  |
| 52 | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                                                                                            | Kg   | 577   |  |  |  |  |
| 53 | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                                                                         | Kg   | 2031  |  |  |  |  |
| 54 | GI Nut , Bolt & Washer of different sizes                                                                                                          | Kg   | 17076 |  |  |  |  |
| 55 | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                                                                              | Kg   | 314   |  |  |  |  |
| 56 | <b>GI Barbed Wire</b>                                                                                                                              |      |       |  |  |  |  |
| 57 | GI barbed wire anticlimbing device                                                                                                                 | Kg   | 15358 |  |  |  |  |
| 58 | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                                                                      | Kg   | 6006  |  |  |  |  |
| 59 | Anticlimbing device Pole Spike                                                                                                                     | Nos  | 13554 |  |  |  |  |
| 60 | <b>Insulator &amp; Hardware Fittings</b>                                                                                                           |      |       |  |  |  |  |
| 61 | 33kV, 10kN pin insulator polymer                                                                                                                   | Nos  | 6     |  |  |  |  |
| 62 | 11kV, 5kN pin insulator polymer                                                                                                                    | Nos  | 11337 |  |  |  |  |
| 63 | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                                                                                 | Set  | 12    |  |  |  |  |
| 64 | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                                                                  | Set  | 36    |  |  |  |  |
| 65 | 33kV Disc insulator (B&S) 120KN polymer                                                                                                            | Nos  | 12    |  |  |  |  |
| 66 | 11kV Disc insulator (B&S) 70KN polymer                                                                                                             | EA   | 2581  |  |  |  |  |
| 67 | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                                                                       | EA   | 2545  |  |  |  |  |
| 68 | Suspension Clamp                                                                                                                                   | Pair | 173   |  |  |  |  |
| 69 | Eye hook                                                                                                                                           | Nos  | 259   |  |  |  |  |
| 70 | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                                                                              | EA   | 425   |  |  |  |  |
| 71 | FRP CROSS ARM 1070MM 415V                                                                                                                          | EA   | 592   |  |  |  |  |
| 72 | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                                                                              | Pair | 436   |  |  |  |  |
| 73 | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                                                                              | Pair | 197   |  |  |  |  |
| 74 | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm)                                                   | EA   | 66    |  |  |  |  |
| 75 | <b>GI Wire &amp; Flat</b>                                                                                                                          |      |       |  |  |  |  |
| 76 | Earthing of Support ( Coil Type )                                                                                                                  | Nos  | 5120  |  |  |  |  |
| 77 | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                                                                          | Nos  | 58    |  |  |  |  |
| 78 | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                                                                           | Kg   | 9     |  |  |  |  |
| 79 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                                                                            | Kg   | 1508  |  |  |  |  |
| 80 | 25X6 mm GI Flat                                                                                                                                    | Kg   | 320   |  |  |  |  |
| 81 | 50X6 mm GI Flat                                                                                                                                    | Kg   | 108   |  |  |  |  |



**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**PSED**

| S.No. | Description of Item                                                            | UOM | QTY (A)  | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|--------------------------------------------------------------------------------|-----|----------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                    |     |          |                        |               |                                   |                                          |
| 2     | 9 mtr long 300 kg PSC pole                                                     | EA  | 27       |                        |               |                                   |                                          |
| 3     | 10 mtr long 330 kg PSC pole                                                    | EA  | 250      |                        |               |                                   |                                          |
| 4     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 753      |                        |               |                                   |                                          |
| 5     | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                  | EA  | 150      |                        |               |                                   |                                          |
| 6     | RCC base Plate                                                                 | EA  | 277      |                        |               |                                   |                                          |
| 7     | <b>Conductor,Cable &amp; Accessories</b>                                       |     |          |                        |               |                                   |                                          |
| 8     | AAA conductor,100 mm2                                                          | M   | 80.00    |                        |               |                                   |                                          |
| 9     | AAA conductor,148 mm2                                                          | M   | 21       |                        |               |                                   |                                          |
| 10    | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 108242.7 |                        |               |                                   |                                          |
| 11    | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                       | M   | 21630    |                        |               |                                   |                                          |
| 12    | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 36       |                        |               |                                   |                                          |
| 13    | PG Clamp for 148 mm2 AAAC conductor                                            | Nos | 30       |                        |               |                                   |                                          |
| 14    | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 631      |                        |               |                                   |                                          |
| 15    | IPC for Covered Conductor 33 KV 148 Sqmm                                       | EA  | 126      |                        |               |                                   |                                          |
| 16    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 1051     |                        |               |                                   |                                          |
| 17    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.             | EA  | 210      |                        |               |                                   |                                          |
| 18    | Non metallic Tie for alignment 11kv                                            | EA  | 1367     |                        |               |                                   |                                          |
| 19    | Non metallic Tie for alignment 33kv                                            | EA  | 420      |                        |               |                                   |                                          |
| 20    | 11kv AL 3CX300 Sqmm XLPE Cable armoured A2XCWY-FRLSH                           | M   | 45.00    |                        |               |                                   |                                          |
| 21    | 11kv AL 3CX400 Sqmm XLPE Cable armoured A2XCWY-FRLSH                           | M   | 240.00   |                        |               |                                   |                                          |
| 22    | 3CX400 mm2 33KV XLPE Cable (Armoured), A2XWY                                   | M   | 480      |                        |               |                                   |                                          |
| 23    | Heat shrinkable jointing kit for 3Cx300mm² 11KV XLPE Cable(outdoor type)       | Nos | 3        |                        |               |                                   |                                          |
| 24    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(Touch Proof Type)  | Nos | 2        |                        |               |                                   |                                          |
| 25    | Heat shrinkable jointing kit for 3Cx300 mm² 11KV XLPE Cable(Touch Proof Type)  | Nos | 1        |                        |               |                                   |                                          |
| 26    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(outdoor type)      | Nos | 4        |                        |               |                                   |                                          |
| 27    | Heat shrinkable jointing kit for 3Cx400 mm² 33KV XLPE Cable(outdoor type)      | Nos | 8        |                        |               |                                   |                                          |
| 28    | High Density Polyethylene (HDPE) pipe 200mm diameter, PE 80-PN8                | M   | 270      |                        |               |                                   |                                          |
| 29    | High Density Polyethylene (HDPE) pipe 160mm diameter, PE 80-PN8                | M   | 480      |                        |               |                                   |                                          |
| 30    | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 24       |                        |               |                                   |                                          |
| 31    | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 119      |                        |               |                                   |                                          |
| 32    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 3.399    |                        |               |                                   |                                          |
| 33    | 1.1kv Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 119      |                        |               |                                   |                                          |
| 34    | Gland for 1.1kv Al 4CX25 Sq.mm                                                 | EA  | 14       |                        |               |                                   |                                          |
| 35    | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 53       |                        |               |                                   |                                          |
| 36    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 660      |                        |               |                                   |                                          |
| 37    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 330      |                        |               |                                   |                                          |
| 38    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 330      |                        |               |                                   |                                          |
| 39    | Cap cable end for ABC 35SQMM                                                   | EA  | 40       |                        |               |                                   |                                          |
| 40    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 73       |                        |               |                                   |                                          |
| 41    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 119      |                        |               |                                   |                                          |
| 42    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 119      |                        |               |                                   |                                          |
| 43    | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 6.6      |                        |               |                                   |                                          |
| 44    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 7        |                        |               |                                   |                                          |
| 45    | <b>RMU</b>                                                                     |     |          |                        |               |                                   |                                          |
| 46    | RMU 11KV 3WAY 630A LLV(2ISO+1BKR)+AUXPT+FRTU                                   | EA  | 1.00     |                        |               |                                   |                                          |
| 47    | <b>DANGER Plate</b>                                                            |     |          |                        |               |                                   |                                          |
| 48    | Danger Plate, 33kV                                                             | Nos | 180      |                        |               |                                   |                                          |
| 49    | Danger Plate, 11kV                                                             | Nos | 969      |                        |               |                                   |                                          |
| 50    | BOARD DANGER 400/440 VOLT                                                      | Nos | 26       |                        |               |                                   |                                          |
| 51    | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 354.7611 |                        |               |                                   |                                          |
| 52    | <b>AB Switch</b>                                                               |     |          |                        |               |                                   |                                          |
| 53    | 11kv AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 4        |                        |               |                                   |                                          |
| 54    | 33kv AB Switch 400A 3Pole 50Hz Horizontal Type                                 | Set | 1        |                        |               |                                   |                                          |
| 55    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 229.44   |                        |               |                                   |                                          |
| 56    | AB Switch mounting Channel 100X50X5mm GI channel 3.5mtr long                   | Kg  | 66.92    |                        |               |                                   |                                          |
| 57    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 33.46    |                        |               |                                   |                                          |

|     |                                                                                                  |      |            |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------|------|------------|--|--|--|--|
| 58  | <b>V-Cross Arm</b>                                                                               |      |            |  |  |  |  |
| 59  | 11kV V cross Arm (GI)                                                                            | Nos  | 286        |  |  |  |  |
| 60  | GI Back Clamp for 11kV 'V' Cros Arm                                                              | Nos  | 286        |  |  |  |  |
| 61  | Top bracket 100X50X5mm GI channel                                                                | Nos  | 886        |  |  |  |  |
| 62  | 33kV V cross Arm (GI)                                                                            | Nos  | 149        |  |  |  |  |
| 63  | GI Back Clamp for 33kV 'V' Cros Arm                                                              | Nos  | 149        |  |  |  |  |
| 64  | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                                             |      |            |  |  |  |  |
| 65  | Top Channel 100X50X5mm,each channel length 3.25 mtr                                              | Kg   | 248.56     |  |  |  |  |
| 66  | Top Channel 100X50X5mm, each channel length 4.3 mtr.                                             | Kg   | 258.12     |  |  |  |  |
| 67  | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                             | Kg   | 402.112    |  |  |  |  |
| 68  | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                              | Kg   | 3214.91328 |  |  |  |  |
| 69  | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.                              | Kg   | 910.112    |  |  |  |  |
| 70  | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                         | Kg   | 983.623046 |  |  |  |  |
| 71  | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.                           | Kg   | 342.72     |  |  |  |  |
| 72  | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr                            | Kg   | 694.008    |  |  |  |  |
| 73  | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.                             | Kg   | 285.6      |  |  |  |  |
| 74  | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 28.56      |  |  |  |  |
| 75  | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.                            | Kg   | 473.31     |  |  |  |  |
| 76  | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 252.86     |  |  |  |  |
| 77  | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                                          | Kg   | 192.312    |  |  |  |  |
| 78  | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 649.27     |  |  |  |  |
| 79  | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 5155.663   |  |  |  |  |
| 80  | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314.16     |  |  |  |  |
| 81  | <b>GI Barbed Wire</b>                                                                            |      |            |  |  |  |  |
| 82  | GI barbed wire anticlimbing device                                                               | Kg   | 3537       |  |  |  |  |
| 83  | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 1419.0444  |  |  |  |  |
| 84  | Anticlimbing device Pole Spike                                                                   | Nos  | 1180       |  |  |  |  |
| 85  | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |            |  |  |  |  |
| 86  | 33kV,10kN pin insulator polymer                                                                  | Nos  | 539        |  |  |  |  |
| 87  | 11kV,5kN pin insulator polymer                                                                   | Nos  | 2235       |  |  |  |  |
| 88  | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                               | Set  | 30         |  |  |  |  |
| 89  | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 36         |  |  |  |  |
| 90  | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 156        |  |  |  |  |
| 91  | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 667        |  |  |  |  |
| 92  | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 631        |  |  |  |  |
| 93  | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 126        |  |  |  |  |
| 94  | Eye hook                                                                                         | Nos  | 27         |  |  |  |  |
| 95  | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 106        |  |  |  |  |
| 96  | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 21         |  |  |  |  |
| 97  | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 60         |  |  |  |  |
| 98  | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 27         |  |  |  |  |
| 99  | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 20         |  |  |  |  |
| 100 | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 7          |  |  |  |  |
| 101 | <b>GI Wire &amp; Flat</b>                                                                        |      |            |  |  |  |  |
| 102 | Earthing of Support ( Coil Type )                                                                | Nos  | 1179       |  |  |  |  |
| 103 | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 53         |  |  |  |  |
| 104 | No. 10 GI wire cross lacing ( 0.08Kg/mtr)                                                        | Kg   | 8.88       |  |  |  |  |
| 105 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 475.208    |  |  |  |  |
| 106 | 25X6 mm GI Flat                                                                                  | Kg   | 240        |  |  |  |  |
| 107 | 50X6 mm GI Flat                                                                                  | Kg   | 141        |  |  |  |  |
| 108 | <b>HT &amp; LT Stay</b>                                                                          |      |            |  |  |  |  |
| 109 | H.T 33kV Stay set (Complete)                                                                     | Set  | 281        |  |  |  |  |
| 110 | H.T 11kV Stay set (Complete)                                                                     | Set  | 26         |  |  |  |  |
| 111 | H.T Stay clamp                                                                                   | Pair | 307        |  |  |  |  |
| 112 | H.T Stay Insulator                                                                               | Nos  | 563        |  |  |  |  |
| 113 | LT Stay Set (Complete)                                                                           | Set  | 7          |  |  |  |  |
| 114 | LT Stay Insulator                                                                                | EA   | 7          |  |  |  |  |
| 115 | LT Stay clamp                                                                                    | Pair | 7          |  |  |  |  |
| 116 | 7/12 SWG Stay Wire                                                                               | Kg   | 52.8       |  |  |  |  |
| 117 | 7/10 SWG Stay Wire                                                                               | Kg   | 340        |  |  |  |  |
| 118 | 7/8 SWG Stay Wire                                                                                | kg   | 4002.7     |  |  |  |  |
| 119 | <b>Lightning Arrester</b>                                                                        |      |            |  |  |  |  |
| 120 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 6          |  |  |  |  |
| 121 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 12         |  |  |  |  |
| 122 | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                                           | Nos  | 15         |  |  |  |  |
| 123 | <b>Paint</b>                                                                                     |      |            |  |  |  |  |
| 124 | Black Paint                                                                                      | Ltr  | 589.5      |  |  |  |  |
| 125 | Yellow Colour Paint for Background                                                               | Ltr  | 1179       |  |  |  |  |

| 126                                                                                                                      | Supply, Installation & commissioning of Aniders                                | Nos | 2.00    |                        |               |                                   |                                          |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| Total All Inclusive Value (Rs.) (A)                                                                                      |                                                                                |     |         |                        |               |                                   |                                          |
| Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials |                                                                                |     |         |                        |               |                                   |                                          |
| S. No.                                                                                                                   | Description of Item                                                            | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
| 1                                                                                                                        | <b>Pole</b>                                                                    |     |         |                        |               |                                   |                                          |
| 2                                                                                                                        | 9 mtr long 300 kg PSC pole                                                     | EA  | 27      |                        |               |                                   |                                          |
| 3                                                                                                                        | 10 mtr long 330 kg PSC pole                                                    | EA  | 250     |                        |               |                                   |                                          |
| 4                                                                                                                        | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 753     |                        |               |                                   |                                          |
| 5                                                                                                                        | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                  | EA  | 150     |                        |               |                                   |                                          |
| 6                                                                                                                        | RCC base Plate                                                                 | EA  | 277     |                        |               |                                   |                                          |
| 7                                                                                                                        | <b>Conductor,Cable &amp; Accessories</b>                                       |     |         |                        |               |                                   |                                          |
| 8                                                                                                                        | AAA conductor,100 mm2                                                          | M   | 80      |                        |               |                                   |                                          |
| 9                                                                                                                        | AAA conductor,148 mm2                                                          | M   | 21      |                        |               |                                   |                                          |
| 10                                                                                                                       | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 108243  |                        |               |                                   |                                          |
| 11                                                                                                                       | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                       | M   | 21630   |                        |               |                                   |                                          |
| 12                                                                                                                       | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 36      |                        |               |                                   |                                          |
| 13                                                                                                                       | PG Clamp for 148 mm2 AAAC conductor                                            | Nos | 30      |                        |               |                                   |                                          |
| 14                                                                                                                       | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 631     |                        |               |                                   |                                          |
| 15                                                                                                                       | IPC for Covered Conductor 33 KV 148 Sqmm                                       | EA  | 126     |                        |               |                                   |                                          |
| 16                                                                                                                       | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 1051    |                        |               |                                   |                                          |
| 17                                                                                                                       | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.             | EA  | 210     |                        |               |                                   |                                          |
| 18                                                                                                                       | Non metallic Tie for alignment 11kV                                            | EA  | 1367    |                        |               |                                   |                                          |
| 19                                                                                                                       | Non metallic Tie for alignment 33kV                                            | EA  | 420     |                        |               |                                   |                                          |
| 20                                                                                                                       | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 24      |                        |               |                                   |                                          |
| 21                                                                                                                       | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 119     |                        |               |                                   |                                          |
| 22                                                                                                                       | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 3       |                        |               |                                   |                                          |
| 23                                                                                                                       | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 119     |                        |               |                                   |                                          |
| 24                                                                                                                       | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 14      |                        |               |                                   |                                          |
| 25                                                                                                                       | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 53      |                        |               |                                   |                                          |
| 26                                                                                                                       | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 660     |                        |               |                                   |                                          |
| 27                                                                                                                       | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 330     |                        |               |                                   |                                          |
| 28                                                                                                                       | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 330     |                        |               |                                   |                                          |
| 29                                                                                                                       | Cap cable end for ABC 35SQMM                                                   | EA  | 40      |                        |               |                                   |                                          |
| 30                                                                                                                       | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 73      |                        |               |                                   |                                          |
| 31                                                                                                                       | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 119     |                        |               |                                   |                                          |
| 32                                                                                                                       | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 119     |                        |               |                                   |                                          |
| 33                                                                                                                       | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 7       |                        |               |                                   |                                          |
| 34                                                                                                                       | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 7       |                        |               |                                   |                                          |
| 35                                                                                                                       | <b>RMU</b>                                                                     |     |         |                        |               |                                   |                                          |
| 36                                                                                                                       | RMU 11KV 3WAY 630A LLV(2ISO+1BKR)+AUXPT+FRTU                                   | EA  | 1       |                        |               |                                   |                                          |
| 37                                                                                                                       | <b>DANGER Plate</b>                                                            |     |         |                        |               |                                   |                                          |
| 38                                                                                                                       | Danger Plate, 33kV                                                             | Nos | 180     |                        |               |                                   |                                          |
| 39                                                                                                                       | Danger Plate, 11kV                                                             | Nos | 969     |                        |               |                                   |                                          |
| 40                                                                                                                       | BOARD DANGER 400/440 VOLT                                                      | Nos | 26      |                        |               |                                   |                                          |
| 41                                                                                                                       | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 355     |                        |               |                                   |                                          |
| 42                                                                                                                       | <b>AB Switch</b>                                                               |     |         |                        |               |                                   |                                          |
| 43                                                                                                                       | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 4       |                        |               |                                   |                                          |
| 44                                                                                                                       | 33kV AB Switch 400A 3Pole 50Hz Horizontal Type                                 | Set | 1       |                        |               |                                   |                                          |
| 45                                                                                                                       | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 229     |                        |               |                                   |                                          |
| 46                                                                                                                       | AB Switch mounting Channel 100X50X5mm GI channel 3.5mtr long                   | Kg  | 67      |                        |               |                                   |                                          |
| 47                                                                                                                       | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 33      |                        |               |                                   |                                          |
| 48                                                                                                                       | <b>V-Cross Arm</b>                                                             |     |         |                        |               |                                   |                                          |
| 49                                                                                                                       | 11kV V cross Arm (GI)                                                          | Nos | 285     |                        |               |                                   |                                          |
| 50                                                                                                                       | GI Back Clamp for 11kV 'V' Cros Arm                                            | Nos | 285     |                        |               |                                   |                                          |
| 51                                                                                                                       | Top bracket 100X50X5mm GI channel                                              | Nos | 885     |                        |               |                                   |                                          |
| 52                                                                                                                       | 33kV V cross Arm (GI)                                                          | Nos | 149     |                        |               |                                   |                                          |
| 53                                                                                                                       | GI Back Clamp for 33kV 'V' Cros Arm                                            | Nos | 149     |                        |               |                                   |                                          |
| 54                                                                                                                       | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |         |                        |               |                                   |                                          |
| 55                                                                                                                       | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 249     |                        |               |                                   |                                          |
| 56                                                                                                                       | Top Channel 100X50X5mm, each channel length 4.3 mtr.                           | Kg  | 258     |                        |               |                                   |                                          |
| 57                                                                                                                       | Top Channel 100X50X5mm, each channel length 2.3 mtr.                           | Kg  | 402     |                        |               |                                   |                                          |
| 58                                                                                                                       | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.            | Kg  | 3215    |                        |               |                                   |                                          |
| 59                                                                                                                       | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.            | Kg  | 910     |                        |               |                                   |                                          |
| 60                                                                                                                       | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.       | Kg  | 984     |                        |               |                                   |                                          |
| 61                                                                                                                       | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.         | Kg  | 343     |                        |               |                                   |                                          |



|     |                                                                                                  |      |      |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------|------|------|--|--|--|--|
| 62  | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr                            | Kg   | 694  |  |  |  |  |
| 63  | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.                             | Kg   | 286  |  |  |  |  |
| 64  | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 29   |  |  |  |  |
| 65  | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.                            | Kg   | 473  |  |  |  |  |
| 66  | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 253  |  |  |  |  |
| 67  | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                                          | Kg   | 192  |  |  |  |  |
| 68  | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 649  |  |  |  |  |
| 69  | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 5156 |  |  |  |  |
| 70  | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314  |  |  |  |  |
| 71  | <b>GI Barbed Wire</b>                                                                            |      |      |  |  |  |  |
| 72  | GI barbed wire anticlimbing device                                                               | Kg   | 3537 |  |  |  |  |
| 73  | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 1419 |  |  |  |  |
| 74  | Anticlimbing device Pole Spike                                                                   | Nos  | 1180 |  |  |  |  |
| 75  | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |      |  |  |  |  |
| 76  | 33kV,10kN pin insulator polymer                                                                  | Nos  | 539  |  |  |  |  |
| 77  | 11kV,5kN pin insulator polymer                                                                   | Nos  | 2235 |  |  |  |  |
| 78  | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                               | Set  | 30   |  |  |  |  |
| 79  | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 36   |  |  |  |  |
| 80  | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 156  |  |  |  |  |
| 81  | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 667  |  |  |  |  |
| 82  | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 631  |  |  |  |  |
| 83  | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 126  |  |  |  |  |
| 84  | Eye hook                                                                                         | Nos  | 27   |  |  |  |  |
| 85  | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 106  |  |  |  |  |
| 86  | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 21   |  |  |  |  |
| 87  | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 60   |  |  |  |  |
| 88  | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 27   |  |  |  |  |
| 89  | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 20   |  |  |  |  |
| 90  | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 7    |  |  |  |  |
| 91  | <b>GI Wire &amp; Flat</b>                                                                        |      |      |  |  |  |  |
| 92  | Earthing of Support ( Coil Type )                                                                | Nos  | 1179 |  |  |  |  |
| 93  | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 53   |  |  |  |  |
| 94  | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 9    |  |  |  |  |
| 95  | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 475  |  |  |  |  |
| 96  | 25X6 mm GI Flat                                                                                  | Kg   | 240  |  |  |  |  |
| 97  | 50X6 mm GI Flat                                                                                  | Kg   | 141  |  |  |  |  |
| 98  | <b>HT &amp; LT Stay</b>                                                                          |      |      |  |  |  |  |
| 99  | H.T 33kV Stay set (Complete)                                                                     | Set  | 281  |  |  |  |  |
| 100 | H.T 11kV Stay set (Complete)                                                                     | Set  | 26   |  |  |  |  |
| 101 | H.T Stay clamp                                                                                   | Pair | 307  |  |  |  |  |
| 102 | H.T Stay Insulator                                                                               | Nos  | 563  |  |  |  |  |
| 103 | LT Stay Set (Complete)                                                                           | Set  | 7    |  |  |  |  |
| 104 | LT Stay Insulator                                                                                | EA   | 7    |  |  |  |  |
| 105 | LT Stay clamp                                                                                    | Pair | 7    |  |  |  |  |
| 106 | 7/12 SWG Stay Wire                                                                               | Kg   | 53   |  |  |  |  |
| 107 | 7/10 SWG Stay Wire                                                                               | Kg   | 340  |  |  |  |  |
| 108 | 7/8 SWG Stay Wire                                                                                | kg   | 4003 |  |  |  |  |
| 109 | <b>Lightning Arrester</b>                                                                        |      |      |  |  |  |  |
| 110 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 6    |  |  |  |  |
| 111 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 12   |  |  |  |  |
| 112 | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                                           | Nos  | 15   |  |  |  |  |
| 113 | <b>Paint</b>                                                                                     |      |      |  |  |  |  |
| 114 | Black Paint                                                                                      | Ltr  | 590  |  |  |  |  |
| 115 | Yellow Colour Paint for Background                                                               | Ltr  | 1179 |  |  |  |  |

**Total All Inclusive Value ( Rs.) (B)**

**Elephant Corridor - PART C: Civil & Services**

| S. No. | Description of Item                                     | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs./Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------------------------------------------|-----|---------|------------------------|----------------|-----------------------------------|------------------------------------------|
| 1      | Concreting of poles in ratio 1:1.5:3 for 9MTR PSC POLE  | Nos | 27.000  |                        |                |                                   |                                          |
| 2      | Concreting of poles in ratio 1:1.5:3 for 10MTR PSC POLE | Nos | 250     |                        |                |                                   |                                          |
| 3      | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE | Nos | 753     |                        |                |                                   |                                          |
| 4      | Concreting of poles in ratio 1:1.5:3 for 13MTR WPB POLE | Nos | 150     |                        |                |                                   |                                          |
| 5      | Couping of poles in ratio 1:1.5:3 for 9MTR PSC POLE     | Nos | 27.000  |                        |                |                                   |                                          |
| 6      | Couping of poles in ratio 1:1.5:3 for 10MTR PSC POLE    | Nos | 250     |                        |                |                                   |                                          |
| 7      | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE    | Nos | 753     |                        |                |                                   |                                          |
| 8      | Couping of poles in ratio 1:1.5:3 for 13MTR WPB POLE    | Nos | 150     |                        |                |                                   |                                          |



**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**HED**

| S.No. | Description of Item                                                                                                                                 | UOM | QTY (A)    | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                                                                                         |     |            |                        |               |                                   |                                          |
| 2     | 9 mtr long 300 kg PSC pole                                                                                                                          | EA  | 66         |                        |               |                                   |                                          |
| 3     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                                                                                       | EA  | 1354       |                        |               |                                   |                                          |
| 4     | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                                                                                       | EA  | 84         |                        |               |                                   |                                          |
| 5     | RCC base Plate                                                                                                                                      | EA  | 66         |                        |               |                                   |                                          |
| 6     | <b>Conductor,Cable &amp; Accessories</b>                                                                                                            |     |            |                        |               |                                   |                                          |
| 7     | AAA conductor,100 mm2                                                                                                                               | M   | 240.00     |                        |               |                                   |                                          |
| 8     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                                                                                            | M   | 202704     |                        |               |                                   |                                          |
| 9     | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                                                                                            | M   | 12360      |                        |               |                                   |                                          |
| 10    | PG Clamp for 100 mm2 AAAC conductor                                                                                                                 | EA  | 96         |                        |               |                                   |                                          |
| 11    | PG Clamp for 148 mm2 AAAC conductor                                                                                                                 | Nos | 12         |                        |               |                                   |                                          |
| 12    | IPC for Covered Conductor 11 KV 100 Sqmm                                                                                                            | EA  | 1181       |                        |               |                                   |                                          |
| 13    | IPC for Covered Conductor 33 KV 148 Sqmm                                                                                                            | EA  | 72         |                        |               |                                   |                                          |
| 14    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.                                                                                  | EA  | 1968       |                        |               |                                   |                                          |
| 15    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.                                                                                  | EA  | 120        |                        |               |                                   |                                          |
| 16    | Non metallic Tie for alignment 11kV                                                                                                                 | EA  | 2559       |                        |               |                                   |                                          |
| 17    | Non metallic Tie for alignment 33kV                                                                                                                 | EA  | 240        |                        |               |                                   |                                          |
| 18    | 11kV AL 3CX300 Sqmm XLPE Cable armoured A2XCWY-FRLSH                                                                                                | M   | 135.00     |                        |               |                                   |                                          |
| 19    | 11kV AL 3CX400 Sqmm XLPE Cable armoured A2XCWY-FRLSH                                                                                                | M   | 480.00     |                        |               |                                   |                                          |
| 20    | 3CX400 mm2 33KV XLPE Cable (Armoured), A2XWY                                                                                                        | M   | 240        |                        |               |                                   |                                          |
| 21    | Heat shrinkable jointing kit for 3Cx300mm² 11KV XLPE Cable(outdoor type)                                                                            | Nos | 9          |                        |               |                                   |                                          |
| 22    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(Touch Proof Type)                                                                       | Nos | 5          |                        |               |                                   |                                          |
| 23    | Heat shrinkable jointing kit for 3Cx300 mm² 11KV XLPE Cable(Touch Proof Type)                                                                       | Nos | 4          |                        |               |                                   |                                          |
| 24    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(outdoor type)                                                                           | Nos | 8          |                        |               |                                   |                                          |
| 25    | Heat shrinkable jointing kit for 3Cx400 mm² 33KV XLPE Cable(outdoor type)                                                                           | Nos | 4          |                        |               |                                   |                                          |
| 26    | High Density Polyethelene (HDPE) pipe 200mm diameter, PE 80-PN8                                                                                     | M   | 570        |                        |               |                                   |                                          |
| 27    | High Density Polyethelene (HDPE) pipe 160mm diameter, PE 80-PN8                                                                                     | M   | 240        |                        |               |                                   |                                          |
| 28    | Clamp for pipe (for 160 & 200mm dia)                                                                                                                | Nos | 24         |                        |               |                                   |                                          |
| 29    | LT Distribution Box Polycarbonate 10 Way                                                                                                            | EA  | 296        |                        |               |                                   |                                          |
| 30    | 1.1KV LT AB Cable 2X35+1x25mm2                                                                                                                      | Km  | 0.25544    |                        |               |                                   |                                          |
| 31    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                                                                                                 | Km  | 1.2875     |                        |               |                                   |                                          |
| 32    | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                                                                                                 | km  | 6.901      |                        |               |                                   |                                          |
| 33    | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                                                                                     | M   | 296        |                        |               |                                   |                                          |
| 34    | Gland for 1.1kV Al 4CX25 Sq.mm                                                                                                                      | EA  | 33         |                        |               |                                   |                                          |
| 35    | Lug AL Crimping 25 Sqmm XLPE Single hole                                                                                                            | EA  | 132        |                        |               |                                   |                                          |
| 36    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                                 | M   | 1639.6     |                        |               |                                   |                                          |
| 37    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                                | M   | 819.8      |                        |               |                                   |                                          |
| 38    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                                | M   | 795        |                        |               |                                   |                                          |
| 39    | Cap cable end for ABC 35SQMM                                                                                                                        | EA  | 99         |                        |               |                                   |                                          |
| 40    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm                                                                      | EA  | 175        |                        |               |                                   |                                          |
| 41    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm                                                                        | EA  | 296        |                        |               |                                   |                                          |
| 42    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm                                                                       | EA  | 296        |                        |               |                                   |                                          |
| 43    | Natural connector Type B suitable for Main 35 to 70 sq mm AAAC& Tap-2.5 to 10 sq mm Service cable cover by black weather resistant insulation cover | EA  | 2          |                        |               |                                   |                                          |
| 44    | STEEL STRAP SIZE 20 MMX50 M LONG                                                                                                                    | ROL | 16.396     |                        |               |                                   |                                          |
| 45    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                                                                                            | EA  | 17         |                        |               |                                   |                                          |
| 46    | <b>RMU</b>                                                                                                                                          |     |            |                        |               |                                   |                                          |
| 47    | RMU 11KV 3WAY 630A LLV(2ISO+1BKR)+AUXPT+FRTU                                                                                                        | EA  | 3.00       |                        |               |                                   |                                          |
| 48    | <b>DANGER Plate</b>                                                                                                                                 |     |            |                        |               |                                   |                                          |
| 49    | Danger Plate, 33kV                                                                                                                                  | Nos | 84         |                        |               |                                   |                                          |
| 50    | Danger Plate, 11kV                                                                                                                                  | Nos | 1346       |                        |               |                                   |                                          |
| 51    | BOARD DANGER 400/440 VOLT                                                                                                                           | Nos | 66         |                        |               |                                   |                                          |
| 52    | Back Clamp (25X3 mm. flat) for danger Plate                                                                                                         | Kg  | 452.428426 |                        |               |                                   |                                          |
| 53    | <b>AB Switch</b>                                                                                                                                    |     |            |                        |               |                                   |                                          |
| 54    | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                                                                                      | Set | 12         |                        |               |                                   |                                          |
| 55    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                                                                                        | Kg  | 688.32     |                        |               |                                   |                                          |
| 56    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.                                                                             | Kg  | 80.30      |                        |               |                                   |                                          |
| 57    | <b>V-Cross Arm</b>                                                                                                                                  |     |            |                        |               |                                   |                                          |

|     |                                                                                                  |      |            |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------|------|------------|--|--|--|--|
| 58  | 11kV V cross Arm (GI)                                                                            | Nos  | 286        |  |  |  |  |
| 59  | GI Back Clamp for 11kV 'V' Cros Arm                                                              | Nos  | 286        |  |  |  |  |
| 60  | Top bracket 100X50X5mm GI channel                                                                | Nos  | 943        |  |  |  |  |
| 61  | 33kV V cross Arm (GI)                                                                            | Nos  | 68         |  |  |  |  |
| 62  | GI Back Clamp for 33kV 'V' Cros Arm                                                              | Nos  | 68         |  |  |  |  |
| 63  | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                                             |      |            |  |  |  |  |
| 64  | Top Channel 100X50X5mm,each channel length 3.25 mtr                                              | Kg   | 745.68     |  |  |  |  |
| 65  | Top Channel 100X50X5mm, each channel length 4.3 mtr.                                             | Kg   | 87.952     |  |  |  |  |
| 66  | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                             | Kg   | 490.064    |  |  |  |  |
| 67  | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                              | Kg   | 6020.5056  |  |  |  |  |
| 68  | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.                              | Kg   | 520.064    |  |  |  |  |
| 69  | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                         | Kg   | 1628.84045 |  |  |  |  |
| 70  | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.                           | Kg   | 1028.16    |  |  |  |  |
| 71  | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr                            | Kg   | 285.6      |  |  |  |  |
| 72  | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.                             | Kg   | 571.2      |  |  |  |  |
| 73  | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 68.54      |  |  |  |  |
| 74  | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.                            | Kg   | 192.312    |  |  |  |  |
| 75  | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 758.59     |  |  |  |  |
| 76  | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                                          | Kg   | 384.624    |  |  |  |  |
| 77  | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 1074.03    |  |  |  |  |
| 78  | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 8145.71748 |  |  |  |  |
| 79  | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314.16     |  |  |  |  |
| 80  | <b>GI Barbed Wire</b>                                                                            |      |            |  |  |  |  |
| 81  | GI barbed wire anticlimbing device                                                               | Kg   | 4510.752   |  |  |  |  |
| 82  | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 1809.7137  |  |  |  |  |
| 83  | Anticlimbing device Pole Spike                                                                   | Nos  | 1504       |  |  |  |  |
| 84  | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |            |  |  |  |  |
| 85  | 33kV,10kN pin insulator polymer                                                                  | Nos  | 254        |  |  |  |  |
| 86  | 11kV,5kN pin insulator polymer                                                                   | Nos  | 2768       |  |  |  |  |
| 87  | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                               | Set  | 12         |  |  |  |  |
| 88  | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 96         |  |  |  |  |
| 89  | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 84         |  |  |  |  |
| 90  | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 1277       |  |  |  |  |
| 91  | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 1181       |  |  |  |  |
| 92  | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 72         |  |  |  |  |
| 93  | Eye hook                                                                                         | Nos  | 37         |  |  |  |  |
| 94  | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 197        |  |  |  |  |
| 95  | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 12         |  |  |  |  |
| 96  | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 148        |  |  |  |  |
| 97  | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 66         |  |  |  |  |
| 98  | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 50         |  |  |  |  |
| 99  | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 17         |  |  |  |  |
| 100 | <b>GI Wire &amp; Flat</b>                                                                        |      |            |  |  |  |  |
| 101 | Earthing of Support ( Coil Type )                                                                | Nos  | 1504       |  |  |  |  |
| 102 | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 64         |  |  |  |  |
| 103 | No. 10 GI wire cross lacing ( 0.08Kg/mtr)                                                        | Kg   | 8.88       |  |  |  |  |
| 104 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 560.249008 |  |  |  |  |
| 105 | 25X6 mm GI Flat                                                                                  | Kg   | 240        |  |  |  |  |
| 106 | 50X6 mm GI Flat                                                                                  | Kg   | 213        |  |  |  |  |
| 107 | <b>HT &amp; LT Stay</b>                                                                          |      |            |  |  |  |  |
| 108 | H.T 33kV Stay set (Complete)                                                                     | Set  | 442        |  |  |  |  |
| 109 | H.T 11kV Stay set (Complete)                                                                     | Set  | 58         |  |  |  |  |
| 110 | H.T Stay clamp                                                                                   | Pair | 500        |  |  |  |  |
| 111 | H.T Stay Insulator                                                                               | Nos  | 918        |  |  |  |  |
| 112 | LT Stay Set (Complete)                                                                           | Set  | 17         |  |  |  |  |
| 113 | LT Stay Insulator                                                                                | EA   | 17         |  |  |  |  |
| 114 | LT Stay clamp                                                                                    | Pair | 17         |  |  |  |  |
| 115 | 7/12 SWG Stay Wire                                                                               | Kg   | 131.168    |  |  |  |  |
| 116 | 7/10 SWG Stay Wire                                                                               | Kg   | 740        |  |  |  |  |
| 117 | 7/8 SWG Stay Wire                                                                                | kg   | 6344       |  |  |  |  |
| 118 | <b>Lightning Arrester</b>                                                                        |      |            |  |  |  |  |
| 119 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 12         |  |  |  |  |
| 120 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 36         |  |  |  |  |
| 121 | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                                           | Nos  | 6          |  |  |  |  |
| 122 | <b>Paint</b>                                                                                     |      |            |  |  |  |  |
| 123 | Black Paint                                                                                      | Ltr  | 751.792    |  |  |  |  |
| 124 | Yellow Colour Paint for Background                                                               | Ltr  | 1503.584   |  |  |  |  |
| 125 | Supply, Installation & commissioning of Aniders                                                  | Nos  | 2.00       |  |  |  |  |

| Total All Inclusive Value (Rs.) (A)                                                                                      |                                                                                                                                                     |     |         |                        |               |                                   |                                          |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials |                                                                                                                                                     |     |         |                        |               |                                   |                                          |
| S. No.                                                                                                                   | Description of Item                                                                                                                                 | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
| 1                                                                                                                        | <b>Pole</b>                                                                                                                                         |     |         |                        |               |                                   |                                          |
| 2                                                                                                                        | 9 mtr long 300 kg PSC pole                                                                                                                          | EA  | 66      |                        |               |                                   |                                          |
| 3                                                                                                                        | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                                                                                       | EA  | 1354    |                        |               |                                   |                                          |
| 4                                                                                                                        | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                                                                                       | EA  | 84      |                        |               |                                   |                                          |
| 5                                                                                                                        | RCC base Plate                                                                                                                                      | EA  | 66      |                        |               |                                   |                                          |
| 6                                                                                                                        | <b>Conductor,Cable &amp; Accessories</b>                                                                                                            |     |         |                        |               |                                   |                                          |
| 7                                                                                                                        | AAA conductor,100 mm2                                                                                                                               | M   | 240     |                        |               |                                   |                                          |
| 8                                                                                                                        | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                                                                                            | M   | 202704  |                        |               |                                   |                                          |
| 9                                                                                                                        | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                                                                                            | M   | 12360   |                        |               |                                   |                                          |
| 10                                                                                                                       | PG Clamp for 100 mm2 AAAC conductor                                                                                                                 | EA  | 96      |                        |               |                                   |                                          |
| 11                                                                                                                       | PG Clamp for 148 mm2 AAAC conductor                                                                                                                 | Nos | 12      |                        |               |                                   |                                          |
| 12                                                                                                                       | IPC for Covered Conductor 11 KV 100 Sqmm                                                                                                            | EA  | 1181    |                        |               |                                   |                                          |
| 13                                                                                                                       | IPC for Covered Conductor 33 KV 148 Sqmm                                                                                                            | EA  | 72      |                        |               |                                   |                                          |
| 14                                                                                                                       | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.                                                                                  | EA  | 1968    |                        |               |                                   |                                          |
| 15                                                                                                                       | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.                                                                                  | EA  | 120     |                        |               |                                   |                                          |
| 16                                                                                                                       | Non metallic Tie for alignment 11kV                                                                                                                 | EA  | 2559    |                        |               |                                   |                                          |
| 17                                                                                                                       | Non metallic Tie for alignment 33kV                                                                                                                 | EA  | 240     |                        |               |                                   |                                          |
| 18                                                                                                                       | Clamp for pipe (for 160 & 200mm dia)                                                                                                                | Nos | 24      |                        |               |                                   |                                          |
| 19                                                                                                                       | LT Distribution Box Polycarbonate 10 Way                                                                                                            | EA  | 296     |                        |               |                                   |                                          |
| 20                                                                                                                       | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                                                                                                 | Km  | 1       |                        |               |                                   |                                          |
| 21                                                                                                                       | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                                                                                                 | km  | 7       |                        |               |                                   |                                          |
| 22                                                                                                                       | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                                                                                     | M   | 296     |                        |               |                                   |                                          |
| 23                                                                                                                       | Gland for 1.1kV Al 4CX25 Sq.mm                                                                                                                      | EA  | 33      |                        |               |                                   |                                          |
| 24                                                                                                                       | Lug AL Crimping 25 Sqmm XLPE Single hole                                                                                                            | EA  | 132     |                        |               |                                   |                                          |
| 25                                                                                                                       | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                                 | M   | 1640    |                        |               |                                   |                                          |
| 26                                                                                                                       | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                                | M   | 820     |                        |               |                                   |                                          |
| 27                                                                                                                       | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                                                                                | M   | 795     |                        |               |                                   |                                          |
| 28                                                                                                                       | Cap cable end for ABC 35SQMM                                                                                                                        | EA  | 99      |                        |               |                                   |                                          |
| 29                                                                                                                       | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm                                                                      | EA  | 175     |                        |               |                                   |                                          |
| 30                                                                                                                       | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm                                                                        | EA  | 296     |                        |               |                                   |                                          |
| 31                                                                                                                       | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm                                                                       | EA  | 296     |                        |               |                                   |                                          |
| 32                                                                                                                       | Natural connector Type B suitable for Main 35 to 70 sq mm AAAC& Tap-2.5 to 10 sq mm Service cable cover by black weather resistant insulation cover | EA  | 2       |                        |               |                                   |                                          |
| 33                                                                                                                       | STEEL STRAP SIZE 20 MMX50 M LONG                                                                                                                    | ROL | 16      |                        |               |                                   |                                          |
| 34                                                                                                                       | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                                                                                            | EA  | 17      |                        |               |                                   |                                          |
| 35                                                                                                                       | <b>RMU</b>                                                                                                                                          |     |         |                        |               |                                   |                                          |
| 36                                                                                                                       | RMU 11KV 3WAY 630A LLV(2ISO+1BKR)+AUXPT+FRTU                                                                                                        | EA  | 3       |                        |               |                                   |                                          |
| 37                                                                                                                       | <b>DANGER Plate</b>                                                                                                                                 |     |         |                        |               |                                   |                                          |
| 38                                                                                                                       | Danger Plate, 33kV                                                                                                                                  | Nos | 84      |                        |               |                                   |                                          |
| 39                                                                                                                       | Danger Plate, 11kV                                                                                                                                  | Nos | 1346    |                        |               |                                   |                                          |
| 40                                                                                                                       | BOARD DANGER 400/440 VOLT                                                                                                                           | Nos | 66      |                        |               |                                   |                                          |
| 41                                                                                                                       | Back Clamp (25X3 mm. flat) for danger Plate                                                                                                         | Kg  | 452     |                        |               |                                   |                                          |
| 42                                                                                                                       | <b>AB Switch</b>                                                                                                                                    |     |         |                        |               |                                   |                                          |
| 43                                                                                                                       | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                                                                                      | Set | 12      |                        |               |                                   |                                          |
| 44                                                                                                                       | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                                                                                        | Kg  | 688     |                        |               |                                   |                                          |
| 45                                                                                                                       | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.                                                                             | Kg  | 80      |                        |               |                                   |                                          |
| 46                                                                                                                       | <b>V-Cross Arm</b>                                                                                                                                  |     |         |                        |               |                                   |                                          |
| 47                                                                                                                       | 11kV V cross Arm (GI)                                                                                                                               | Nos | 285     |                        |               |                                   |                                          |
| 48                                                                                                                       | GI Back Clamp for 11kV "V" Cros Arm                                                                                                                 | Nos | 285     |                        |               |                                   |                                          |
| 49                                                                                                                       | Top bracket 100X50X5mm GI channel                                                                                                                   | Nos | 943     |                        |               |                                   |                                          |
| 50                                                                                                                       | 33kV V cross Arm (GI)                                                                                                                               | Nos | 68      |                        |               |                                   |                                          |
| 51                                                                                                                       | GI Back Clamp for 33kV "V" Cros Arm                                                                                                                 | Nos | 68      |                        |               |                                   |                                          |
| 52                                                                                                                       | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                                                                                                |     |         |                        |               |                                   |                                          |
| 53                                                                                                                       | Top Channel 100X50X5mm,each channel length 3.25 mtr                                                                                                 | Kg  | 746     |                        |               |                                   |                                          |
| 54                                                                                                                       | Top Channel 100X50X5mm, each channel length 4.3 mtr.                                                                                                | Kg  | 88      |                        |               |                                   |                                          |
| 55                                                                                                                       | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                                                                                | Kg  | 490     |                        |               |                                   |                                          |
| 56                                                                                                                       | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                                                                                 | Kg  | 6021    |                        |               |                                   |                                          |
| 57                                                                                                                       | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.                                                                                 | Kg  | 520     |                        |               |                                   |                                          |
| 58                                                                                                                       | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                                                                            | Kg  | 1629    |                        |               |                                   |                                          |
| 59                                                                                                                       | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.                                                                              | Kg  | 1028    |                        |               |                                   |                                          |
| 60                                                                                                                       | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr                                                                               | Kg  | 286     |                        |               |                                   |                                          |
| 61                                                                                                                       | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.                                                                                | Kg  | 571     |                        |               |                                   |                                          |

|     |                                                                                                  |      |      |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------|------|------|--|--|--|--|
| 62  | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 69   |  |  |  |  |
| 63  | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.                            | Kg   | 192  |  |  |  |  |
| 64  | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 759  |  |  |  |  |
| 65  | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                                          | Kg   | 385  |  |  |  |  |
| 66  | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 1074 |  |  |  |  |
| 67  | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 8146 |  |  |  |  |
| 68  | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314  |  |  |  |  |
| 69  | <b>GI Barbed Wire</b>                                                                            |      |      |  |  |  |  |
| 70  | GI barbed wire anticlimbing device                                                               | Kg   | 4511 |  |  |  |  |
| 71  | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 1810 |  |  |  |  |
| 72  | Anticlimbing device Pole Spike                                                                   | Nos  | 1504 |  |  |  |  |
| 73  | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |      |  |  |  |  |
| 74  | 33kV,10kN pin insulator polymer                                                                  | Nos  | 254  |  |  |  |  |
| 75  | 11kV,5kN pin insulator polymer                                                                   | Nos  | 2768 |  |  |  |  |
| 76  | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                               | Set  | 12   |  |  |  |  |
| 77  | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 96   |  |  |  |  |
| 78  | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 84   |  |  |  |  |
| 79  | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 1277 |  |  |  |  |
| 80  | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 1181 |  |  |  |  |
| 81  | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 72   |  |  |  |  |
| 82  | Eye hook                                                                                         | Nos  | 37   |  |  |  |  |
| 83  | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 197  |  |  |  |  |
| 84  | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 12   |  |  |  |  |
| 85  | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 148  |  |  |  |  |
| 86  | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 66   |  |  |  |  |
| 87  | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 50   |  |  |  |  |
| 88  | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 17   |  |  |  |  |
| 89  | <b>GI Wire &amp; Flat</b>                                                                        |      |      |  |  |  |  |
| 90  | Earthing of Support ( Coil Type )                                                                | Nos  | 1504 |  |  |  |  |
| 91  | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 64   |  |  |  |  |
| 92  | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 9    |  |  |  |  |
| 93  | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 560  |  |  |  |  |
| 94  | 25X6 mm GI Flat                                                                                  | Kg   | 240  |  |  |  |  |
| 95  | 50X6 mm GI Flat                                                                                  | Kg   | 213  |  |  |  |  |
| 96  | <b>HT &amp; LT Stay</b>                                                                          |      |      |  |  |  |  |
| 97  | H.T 33kV Stay set (Complete)                                                                     | Set  | 442  |  |  |  |  |
| 98  | H.T 11kV Stay set (Complete)                                                                     | Set  | 58   |  |  |  |  |
| 99  | H.T Stay clamp                                                                                   | Pair | 500  |  |  |  |  |
| 100 | H.T Stay Insulator                                                                               | Nos  | 918  |  |  |  |  |
| 101 | LT Stay Set (Complete)                                                                           | Set  | 17   |  |  |  |  |
| 102 | LT Stay Insulator                                                                                | EA   | 17   |  |  |  |  |
| 103 | LT Stay clamp                                                                                    | Pair | 17   |  |  |  |  |
| 104 | 7/12 SWG Stay Wire                                                                               | Kg   | 131  |  |  |  |  |
| 105 | 7/10 SWG Stay Wire                                                                               | Kg   | 740  |  |  |  |  |
| 106 | 7/8 SWG Stay Wire                                                                                | kg   | 6344 |  |  |  |  |
| 107 | <b>Lightning Arrester</b>                                                                        |      |      |  |  |  |  |
| 108 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 12   |  |  |  |  |
| 109 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 36   |  |  |  |  |
| 110 | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                                           | Nos  | 6    |  |  |  |  |
| 111 | <b>Paint</b>                                                                                     |      |      |  |  |  |  |
| 112 | Black Paint                                                                                      | Ltr  | 752  |  |  |  |  |
| 113 | Yellow Colour Paint for Background                                                               | Ltr  | 1504 |  |  |  |  |

**Total All Inclusive Value ( Rs.) (B)**

**Elephant Corridor - PART C: Civil & Services**

| S. No. | Description of Item                                     | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | Concreting of poles in ratio 1:1.5:3 for 9MTR PSC POLE  | Nos | 66.000  |                        |               |                                   |                                          |
| 2      | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE | Nos | 1354    |                        |               |                                   |                                          |
| 3      | Concreting of poles in ratio 1:1.5:3 for 13MTR WPB POLE | Nos | 84      |                        |               |                                   |                                          |
| 4      | Couping of poles in ratio 1:1.5:3 for 9MTR PSC POLE     | Nos | 66.000  |                        |               |                                   |                                          |
| 5      | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE    | Nos | 1354    |                        |               |                                   |                                          |
| 6      | Couping of poles in ratio 1:1.5:3 for 13MTR WPB POLE    | Nos | 84      |                        |               |                                   |                                          |
| 7      | Stay concreting in ratio 1:2:4                          | EA  | 515.996 |                        |               |                                   |                                          |
| 8      | Dismantle of RSJ/WPB pole 11/13 Mtr.                    | EA  | 487.2   |                        |               |                                   |                                          |
| 9      | Dismantle-33KV Disc with Hardware                       | EA  | 1392    |                        |               |                                   |                                          |
| 10     | Dismantle 33KV V cross arm                              | EA  | 487.2   |                        |               |                                   |                                          |

|                                                            |                                                                                                                                                                                                                                                                                                                                                                         |     |          |  |  |  |  |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|--|--|--|--|
| 11                                                         | Dismantle-Steel Structure                                                                                                                                                                                                                                                                                                                                               | KG  | 10440    |  |  |  |  |
| 12                                                         | Dismantle-80-100 sqmm AAAC Conductor                                                                                                                                                                                                                                                                                                                                    | M   | 215064   |  |  |  |  |
| 13                                                         | Dismantle-LT AB Cable with acces                                                                                                                                                                                                                                                                                                                                        | M   | 33775.76 |  |  |  |  |
| 14                                                         | Sundries (LDPE Tape, etc)                                                                                                                                                                                                                                                                                                                                               | EA  | 3        |  |  |  |  |
| 15                                                         | BA will provide necessary Manpower,FRP Fencing & Ms Material for construction boundary wall fencing as per TPSODL Drawing, specification & GTP.                                                                                                                                                                                                                         | Sqm | 96       |  |  |  |  |
| 16                                                         | Installation, Testing and Commissioning of 11/33kV 3-way /4-way/5way Ring Main Unit (RMU) on existing structure/foundation as per TPSODL.Specification including grouting & HT Cable Connections,earthing Connections & minor site modifications. Scope of work excludes earthing chamber and construction of foundation.                                               | EA  | 3        |  |  |  |  |
| 17                                                         | Making Trenchless ducts upto 200 mm dia through Single Pipe by HDD method using HDD machine.Scope of work includes pulling of any grade of HDPE Pipe,Jointing of the pipes ,cable laying through HDPE Pipe and disposal of debris . Cable and HDPE pipe shall be free issued from DISCOM's store.                                                                       | M   | 690      |  |  |  |  |
| 18                                                         | Supply and Installation of cable Route marker including transportation from site/tent, excavation, refilling, disposing of malba, flooding with water, ramming/compacting of foundation as per standard specifications and drawing.                                                                                                                                     | Nos | 6        |  |  |  |  |
| 19                                                         | BA will supply all necessary tools, Skilled jointer for making Jointing excluding excavation & Termination Kit for three phase / single phase as per DISCOM standards.This Line item is only for providing jointer and making joint by using suitable equipments by BA.Jointer will be certified by Raychem, 3M, Cellpack.Note :- Three phase will be consider one set. | Nos | 12       |  |  |  |  |
| 20                                                         | Laying of HDPE from size 110mm to 200mm in open trench, ground etc.Laying of HDPE pipe inside open trench / Pole mounting/Tower mounting.Scope also includes providing and laying all required consumable etc. for collar fixing and sealing of Pipe. (Excavation is excluded)                                                                                          | M   | 720      |  |  |  |  |
| 21                                                         | Material for earthing including masonry work for earth pit, salt, charcoal and RCC Cover                                                                                                                                                                                                                                                                                | EA  | 58       |  |  |  |  |
| 22                                                         | Survey of incremental/delta network and assets changes of LT network and updation in GESW databas                                                                                                                                                                                                                                                                       | Km  | 8.198    |  |  |  |  |
| 23                                                         | Survey of incremental/delta network and assets changes of 11kV network and updation in GESW databas                                                                                                                                                                                                                                                                     | KM  | 65.6     |  |  |  |  |
| 24                                                         | Survey of incremental/delta network and assets changes of 11kV network and updation in GESW databas (Each Pole)                                                                                                                                                                                                                                                         | Nos | 42       |  |  |  |  |
| 25                                                         | Survey of incremental/delta network and assets changes of 11kV network and updation in GESW databas(RMU)                                                                                                                                                                                                                                                                | Nos | 3        |  |  |  |  |
| 26                                                         | Survey of incremental/delta network and assets changes of 33 kV network and updation in GESW databas                                                                                                                                                                                                                                                                    | KM  | 4.3      |  |  |  |  |
| 27                                                         | Survey of incremental/delta network and assets changes of 33kV network and updation in GESW databas (Each Pole)                                                                                                                                                                                                                                                         | Nos | 4        |  |  |  |  |
| 28                                                         | NH Crossing permission charges on approx basis                                                                                                                                                                                                                                                                                                                          | EA  | 3.00     |  |  |  |  |
| 29                                                         | BA will provide necessary Manpower,civil material & Ms Material for construction of Brick boundary wall fencing 3MX3M.                                                                                                                                                                                                                                                  | R M | 336      |  |  |  |  |
| <b>Total All Inclusive Value ( Rs.) (C)</b>                |                                                                                                                                                                                                                                                                                                                                                                         |     |          |  |  |  |  |
| <b>Total All Inclusive Value ( Rs.) (D) = (A)+(B)+ (C)</b> |                                                                                                                                                                                                                                                                                                                                                                         |     |          |  |  |  |  |

**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**AED-I**

| S.No. | Description of Item                                                            | UOM | QTY (A)    | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|--------------------------------------------------------------------------------|-----|------------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                    |     |            |                        |               |                                   |                                          |
| 2     | 9 mtr long 300 kg PSC pole                                                     | EA  | 27         |                        |               |                                   |                                          |
| 3     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 1396       |                        |               |                                   |                                          |
| 4     | RCC base Plate                                                                 | EA  | 27         |                        |               |                                   |                                          |
| 5     | <b>Conductor,Cable &amp; Accessories</b>                                       |     |            |                        |               |                                   |                                          |
| 6     | AAA conductor,100 mm2                                                          | M   | 100.00     |                        |               |                                   |                                          |
| 7     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 211974     |                        |               |                                   |                                          |
| 8     | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 42         |                        |               |                                   |                                          |
| 9     | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 1235       |                        |               |                                   |                                          |
| 10    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 2058       |                        |               |                                   |                                          |
| 11    | Non metallic Tie for alignment 11kV                                            | EA  | 2676       |                        |               |                                   |                                          |
| 12    | 11kV AL 3CX300 Sqmm XLPE Cable armoured A2XCWY-FRLSH                           | M   | 45.00      |                        |               |                                   |                                          |
| 13    | 11kV AL 3CX400 Sqmm XLPE Cable armoured A2XCWY-FRLSH                           | M   | 240.00     |                        |               |                                   |                                          |
| 14    | Heat shrinkable jointing kit for 3Cx300mm² 11KV XLPE Cable(outdoor type)       | Nos | 3          |                        |               |                                   |                                          |
| 15    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(Touch Proof Type)  | Nos | 2          |                        |               |                                   |                                          |
| 16    | Heat shrinkable jointing kit for 3Cx300 mm² 11KV XLPE Cable(Touch Proof Type)  | Nos | 1          |                        |               |                                   |                                          |
| 17    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(outdoor type)      | Nos | 4          |                        |               |                                   |                                          |
| 18    | High Density Polyethelene (HDPE) pipe 200mm diameter, PE 80-PN8                | M   | 270        |                        |               |                                   |                                          |
| 19    | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 8          |                        |               |                                   |                                          |
| 20    | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 119        |                        |               |                                   |                                          |
| 21    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 0.412      |                        |               |                                   |                                          |
| 22    | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                            | km  | 2.987      |                        |               |                                   |                                          |
| 23    | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 119        |                        |               |                                   |                                          |
| 24    | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 14         |                        |               |                                   |                                          |
| 25    | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 53         |                        |               |                                   |                                          |
| 26    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 660        |                        |               |                                   |                                          |
| 27    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 330        |                        |               |                                   |                                          |
| 28    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 330        |                        |               |                                   |                                          |
| 29    | Cap cable end for ABC 35SQMM                                                   | EA  | 40         |                        |               |                                   |                                          |
| 30    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 73         |                        |               |                                   |                                          |
| 31    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 119        |                        |               |                                   |                                          |
| 32    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 119        |                        |               |                                   |                                          |
| 33    | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 6.6        |                        |               |                                   |                                          |
| 34    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 7          |                        |               |                                   |                                          |
| 35    | <b>RMU</b>                                                                     |     |            |                        |               |                                   |                                          |
| 36    | RMU 11KV 3WAY 630A LLV(2ISO+1BKR)+AUXPT+FRTU                                   | EA  | 1.00       |                        |               |                                   |                                          |
| 37    | <b>DANGER Plate</b>                                                            |     |            |                        |               |                                   |                                          |
| 38    | Danger Plate, 11kV                                                             | Nos | 1392       |                        |               |                                   |                                          |
| 39    | BOARD DANGER 400/440 VOLT                                                      | Nos | 27         |                        |               |                                   |                                          |
| 40    | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 428.00016  |                        |               |                                   |                                          |
| 41    | <b>AB Switch</b>                                                               |     |            |                        |               |                                   |                                          |
| 42    | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 5          |                        |               |                                   |                                          |
| 43    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 286.80     |                        |               |                                   |                                          |
| 44    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 33.46      |                        |               |                                   |                                          |
| 45    | <b>V-Cross Arm</b>                                                             |     |            |                        |               |                                   |                                          |
| 46    | 11kV V cross Arm (GI)                                                          | Nos | 286        |                        |               |                                   |                                          |
| 47    | GI Back Clamp for 11kV 'V' Cros Arm                                            | Nos | 286        |                        |               |                                   |                                          |
| 48    | Top bracket 100X50X5mm GI channel                                              | Nos | 902        |                        |               |                                   |                                          |
| 49    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |            |                        |               |                                   |                                          |
| 50    | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 310.70     |                        |               |                                   |                                          |
| 51    | Top Channel 100X50X5mm, each channel length 2.3 mtr.                           | Kg  | 402.112    |                        |               |                                   |                                          |
| 52    | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.            | Kg  | 6295.8336  |                        |               |                                   |                                          |
| 53    | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.       | Kg  | 1605.43757 |                        |               |                                   |                                          |
| 54    | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.         | Kg  | 428.40     |                        |               |                                   |                                          |
| 55    | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.           | Kg  | 285.6      |                        |               |                                   |                                          |
| 56    | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.       | Kg  | 28.56      |                        |               |                                   |                                          |
| 57    | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                        | Kg  | 316.08     |                        |               |                                   |                                          |
| 58    | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                        | Kg  | 192.312    |                        |               |                                   |                                          |



|     |                                                                                                  |      |            |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------|------|------------|--|--|--|--|
| 59  | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 1001.94    |  |  |  |  |
| 60  | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 7244.628   |  |  |  |  |
| 61  | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314.16     |  |  |  |  |
| 62  | <b>GI Barbed Wire</b>                                                                            |      |            |  |  |  |  |
| 63  | GI barbed wire anticlimbing device                                                               | Kg   | 4267.2     |  |  |  |  |
| 64  | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 1712.00064 |  |  |  |  |
| 65  | Anticlimbing device Pole Spike                                                                   | Nos  | 1423       |  |  |  |  |
| 66  | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |            |  |  |  |  |
| 67  | 11kV,5kN pin insulator polymer                                                                   | Nos  | 2864       |  |  |  |  |
| 68  | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 42         |  |  |  |  |
| 69  | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 1277       |  |  |  |  |
| 70  | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 1235       |  |  |  |  |
| 71  | Eye hook                                                                                         | Nos  | 27         |  |  |  |  |
| 72  | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 206        |  |  |  |  |
| 73  | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 60         |  |  |  |  |
| 74  | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 27         |  |  |  |  |
| 75  | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 20         |  |  |  |  |
| 76  | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 7          |  |  |  |  |
| 77  | <b>GI Wire &amp; Flat</b>                                                                        |      |            |  |  |  |  |
| 78  | Earthing of Support ( Coil Type )                                                                | Nos  | 1423       |  |  |  |  |
| 79  | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 29         |  |  |  |  |
| 80  | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 8.88       |  |  |  |  |
| 81  | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 538.9788   |  |  |  |  |
| 82  | 25X6 mm GI Flat                                                                                  | Kg   | 80         |  |  |  |  |
| 83  | 50X6 mm GI Flat                                                                                  | Kg   | 117        |  |  |  |  |
| 84  | <b>HT &amp; LT Stay</b>                                                                          |      |            |  |  |  |  |
| 85  | H.T 33kV Stay set (Complete)                                                                     | Set  | 420        |  |  |  |  |
| 86  | H.T 11kV Stay set (Complete)                                                                     | Set  | 30         |  |  |  |  |
| 87  | H.T Stay clamp                                                                                   | Pair | 450        |  |  |  |  |
| 88  | H.T Stay Insulator                                                                               | Nos  | 862        |  |  |  |  |
| 89  | LT Stay Set (Complete)                                                                           | Set  | 7          |  |  |  |  |
| 90  | LT Stay Insulator                                                                                | EA   | 7          |  |  |  |  |
| 91  | LT Stay clamp                                                                                    | Pair | 7          |  |  |  |  |
| 92  | 7/12 SWG Stay Wire                                                                               | Kg   | 52.8       |  |  |  |  |
| 93  | 7/10 SWG Stay Wire                                                                               | Kg   | 380        |  |  |  |  |
| 94  | 7/8 SWG Stay Wire                                                                                | kg   | 6174       |  |  |  |  |
| 95  | <b>Lightning Arrester</b>                                                                        |      |            |  |  |  |  |
| 96  | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 6          |  |  |  |  |
| 97  | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 15         |  |  |  |  |
| 98  | <b>Paint</b>                                                                                     |      |            |  |  |  |  |
| 99  | Black Paint                                                                                      | Ltr  | 711.2      |  |  |  |  |
| 100 | Yellow Colour Paint for Background                                                               | Ltr  | 1422.4     |  |  |  |  |
| 101 | Supply, Installation & commissioning of Aniders                                                  | Nos  | 2.00       |  |  |  |  |

**Total All Inclusive Value (Rs.) (A)**

**Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials**

| S. No. | Description of Item                                                  | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|----------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | <b>Pole</b>                                                          |     |         |                        |               |                                   |                                          |
| 2      | 9 mtr long 300 kg PSC pole                                           | EA  | 27      |                        |               |                                   |                                          |
| 3      | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12        | EA  | 1396    |                        |               |                                   |                                          |
| 4      | RCC base Plate                                                       | EA  | 27      |                        |               |                                   |                                          |
| 5      | <b>Conductor,Cable &amp; Accessories</b>                             |     |         |                        |               |                                   |                                          |
| 6      | AAA conductor,100 mm2                                                | M   | 100     |                        |               |                                   |                                          |
| 7      | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                             | M   | 211974  |                        |               |                                   |                                          |
| 8      | PG Clamp for 100 mm2 AAAC conductor                                  | EA  | 42      |                        |               |                                   |                                          |
| 9      | IPC for Covered Conductor 11 KV 100 Sqmm                             | EA  | 1235    |                        |               |                                   |                                          |
| 10     | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.   | EA  | 2058    |                        |               |                                   |                                          |
| 11     | Non metallic Tie for alignment 11kV                                  | EA  | 2676    |                        |               |                                   |                                          |
| 12     | Clamp for pipe (for 160 & 200mm dia)                                 | Nos | 8       |                        |               |                                   |                                          |
| 13     | LT Distribution Box Polycarbonate 10 Way                             | EA  | 119     |                        |               |                                   |                                          |
| 14     | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                  | km  | 3       |                        |               |                                   |                                          |
| 15     | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                      | M   | 119     |                        |               |                                   |                                          |
| 16     | Gland for 1.1kV Al 4CX25 Sq.mm                                       | EA  | 14      |                        |               |                                   |                                          |
| 17     | Lug AL Crimping 25 Sqmm XLPE Single hole                             | EA  | 53      |                        |               |                                   |                                          |
| 18     | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH  | M   | 660     |                        |               |                                   |                                          |
| 19     | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH | M   | 330     |                        |               |                                   |                                          |

|    |                                                                                                  |      |      |  |  |  |  |
|----|--------------------------------------------------------------------------------------------------|------|------|--|--|--|--|
| 20 | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                             | M    | 330  |  |  |  |  |
| 21 | Cap cable end for ABC 35SQMM                                                                     | EA   | 40   |  |  |  |  |
| 22 | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm                   | EA   | 73   |  |  |  |  |
| 23 | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm                     | EA   | 119  |  |  |  |  |
| 24 | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm                    | EA   | 119  |  |  |  |  |
| 25 | STEEL STRAP SIZE 20 MMX50 M LONG                                                                 | ROL  | 7    |  |  |  |  |
| 26 | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                                         | EA   | 7    |  |  |  |  |
| 27 | <b>RMU</b>                                                                                       |      |      |  |  |  |  |
| 28 | RMU 11KV 3WAY 630A LLV(2ISO+1BKR)+AUXPT+FRTU                                                     | EA   | 1    |  |  |  |  |
| 29 | <b>DANGER Plate</b>                                                                              |      |      |  |  |  |  |
| 30 | Danger Plate, 11kV                                                                               | Nos  | 1392 |  |  |  |  |
| 31 | BOARD DANGER 400/440 VOLT                                                                        | Nos  | 27   |  |  |  |  |
| 32 | Back Clamp (25X3 mm. flat) for danger Plate                                                      | Kg   | 428  |  |  |  |  |
| 33 | <b>AB Switch</b>                                                                                 |      |      |  |  |  |  |
| 34 | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                                   | Set  | 5    |  |  |  |  |
| 35 | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                                     | Kg   | 287  |  |  |  |  |
| 36 | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.                          | Kg   | 33   |  |  |  |  |
| 37 | <b>V-Cross Arm</b>                                                                               |      |      |  |  |  |  |
| 38 | 11kV V cross Arm (GI)                                                                            | Nos  | 285  |  |  |  |  |
| 39 | GI Back Clamp for 11kV 'V' Cros Arm                                                              | Nos  | 285  |  |  |  |  |
| 40 | Top bracket 100X50X5mm GI channel                                                                | Nos  | 902  |  |  |  |  |
| 41 | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                                             |      |      |  |  |  |  |
| 42 | Top Channel 100X50X5mm,each channel length 3.25 mtr                                              | Kg   | 311  |  |  |  |  |
| 43 | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                             | Kg   | 402  |  |  |  |  |
| 44 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                              | Kg   | 6296 |  |  |  |  |
| 45 | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                         | Kg   | 1605 |  |  |  |  |
| 46 | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.                           | Kg   | 428  |  |  |  |  |
| 47 | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.                             | Kg   | 286  |  |  |  |  |
| 48 | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 29   |  |  |  |  |
| 49 | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 316  |  |  |  |  |
| 50 | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                                          | Kg   | 192  |  |  |  |  |
| 51 | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 1002 |  |  |  |  |
| 52 | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 7245 |  |  |  |  |
| 53 | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314  |  |  |  |  |
| 54 | <b>GI Barbed Wire</b>                                                                            |      |      |  |  |  |  |
| 55 | GI barbed wire anticlimbing device                                                               | Kg   | 4267 |  |  |  |  |
| 56 | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 1712 |  |  |  |  |
| 57 | Anticlimbing device Pole Spike                                                                   | Nos  | 1423 |  |  |  |  |
| 58 | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |      |  |  |  |  |
| 59 | 11kV,5kN pin insulator polymer                                                                   | Nos  | 2864 |  |  |  |  |
| 60 | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 42   |  |  |  |  |
| 61 | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 1277 |  |  |  |  |
| 62 | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 1235 |  |  |  |  |
| 63 | Eye hook                                                                                         | Nos  | 27   |  |  |  |  |
| 64 | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 206  |  |  |  |  |
| 65 | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 60   |  |  |  |  |
| 66 | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 27   |  |  |  |  |
| 67 | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 20   |  |  |  |  |
| 68 | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 7    |  |  |  |  |
| 69 | <b>GI Wire &amp; Flat</b>                                                                        |      |      |  |  |  |  |
| 70 | Earthing of Support ( Coil Type )                                                                | Nos  | 1423 |  |  |  |  |
| 71 | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 29   |  |  |  |  |
| 72 | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 9    |  |  |  |  |
| 73 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 539  |  |  |  |  |
| 74 | 25X6 mm GI Flat                                                                                  | Kg   | 80   |  |  |  |  |
| 75 | 50X6 mm GI Flat                                                                                  | Kg   | 117  |  |  |  |  |
| 76 | <b>HT &amp; LT Stay</b>                                                                          |      |      |  |  |  |  |
| 77 | H.T 33kV Stay set (Complete)                                                                     | Set  | 420  |  |  |  |  |
| 78 | H.T 11kV Stay set (Complete)                                                                     | Set  | 30   |  |  |  |  |
| 79 | H.T Stay clamp                                                                                   | Pair | 450  |  |  |  |  |
| 80 | H.T Stay Insulator                                                                               | Nos  | 862  |  |  |  |  |
| 81 | LT Stay Set (Complete)                                                                           | Set  | 7    |  |  |  |  |
| 82 | LT Stay Insulator                                                                                | EA   | 7    |  |  |  |  |
| 83 | LT Stay clamp                                                                                    | Pair | 7    |  |  |  |  |
| 84 | 7/12 SWG Stay Wire                                                                               | Kg   | 53   |  |  |  |  |
| 85 | 7/10 SWG Stay Wire                                                                               | Kg   | 380  |  |  |  |  |
| 86 | 7/8 SWG Stay Wire                                                                                | kg   | 6174 |  |  |  |  |
| 87 | <b>Lightning Arrester</b>                                                                        |      |      |  |  |  |  |

| 88                                                  | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                                                                                                                                                                                                                                                                                                | Nos | 6       |                        |               |                                   |                                          |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 89                                                  | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                                                                                                                                                                                                                                                                                                | EA  | 15      |                        |               |                                   |                                          |
| 90                                                  | Paint                                                                                                                                                                                                                                                                                                                                                                   |     |         |                        |               |                                   |                                          |
| 91                                                  | Black Paint                                                                                                                                                                                                                                                                                                                                                             | Ltr | 711     |                        |               |                                   |                                          |
| 92                                                  | Yellow Colour Paint for Background                                                                                                                                                                                                                                                                                                                                      | Ltr | 1422    |                        |               |                                   |                                          |
| Total All Inclusive Value ( Rs.) (B)                |                                                                                                                                                                                                                                                                                                                                                                         |     |         |                        |               |                                   |                                          |
| Elephant Corridor - PART C: Civil & Services        |                                                                                                                                                                                                                                                                                                                                                                         |     |         |                        |               |                                   |                                          |
| S. No.                                              | Description of Item                                                                                                                                                                                                                                                                                                                                                     | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
| 1                                                   | Concreting of poles in ratio 1:1.5:3 for 9MTR PSC POLE                                                                                                                                                                                                                                                                                                                  | Nos | 27.000  |                        |               |                                   |                                          |
| 2                                                   | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                                                                                                                                                                                                                                                                 | Nos | 1396    |                        |               |                                   |                                          |
| 3                                                   | Couping of poles in ratio 1:1.5:3 for 9MTR PSC POLE                                                                                                                                                                                                                                                                                                                     | Nos | 27.000  |                        |               |                                   |                                          |
| 4                                                   | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                                                                                                                                                                                                                                                                    | Nos | 1396    |                        |               |                                   |                                          |
| 5                                                   | Stay concreting in ratio 1:2:4                                                                                                                                                                                                                                                                                                                                          | EA  | 456.2   |                        |               |                                   |                                          |
| 6                                                   | Dismantle of RSJ/WPB pole 11/13 Mtr.                                                                                                                                                                                                                                                                                                                                    | EA  | 480.2   |                        |               |                                   |                                          |
| 7                                                   | Dismantle-33KV Disc with Hardware                                                                                                                                                                                                                                                                                                                                       | EA  | 1372    |                        |               |                                   |                                          |
| 8                                                   | Dismantle 33KV V cross arm                                                                                                                                                                                                                                                                                                                                              | EA  | 480.2   |                        |               |                                   |                                          |
| 9                                                   | Dismantle-Steel Structure                                                                                                                                                                                                                                                                                                                                               | KG  | 10290   |                        |               |                                   |                                          |
| 10                                                  | Dismantle-80-100 sqmm AAAC Conductor                                                                                                                                                                                                                                                                                                                                    | M   | 211974  |                        |               |                                   |                                          |
| 11                                                  | Dismantle-LT AB Cable with acces                                                                                                                                                                                                                                                                                                                                        | M   | 13596   |                        |               |                                   |                                          |
| 12                                                  | Sundries (LDPE Tape, etc)                                                                                                                                                                                                                                                                                                                                               | EA  | 1       |                        |               |                                   |                                          |
| 13                                                  | BA will provide necessary Manpower,FRP Fencing & Ms Material for construction boundary wall fencing as per TPSODL Drawing, specification & GTP.                                                                                                                                                                                                                         | Sqm | 32      |                        |               |                                   |                                          |
| 14                                                  | Installation, Testing and Commissioning of 11/33kV 3-way /4-way/5way Ring Main Unit (RMU) on existing structure/foundation as per TPSODL.Specification including grouting & HT Cable Connections,earthing Connections & minor site modifications. Scope of work excludes earthing chamber and construction of foundation.                                               | EA  | 1       |                        |               |                                   |                                          |
| 15                                                  | Making Trenchless ducts upto 200 mm dia through Single Pipe by HDD method using HDD machine.Scope of work includes pulling of any grade of HDPE Pipe,Joining of the pipes ,cable laying through HDPE Pipe and disposal of debris . Cable and HDPE pipe shall be free issued from DISCOM's store.                                                                        | M   | 230     |                        |               |                                   |                                          |
| 16                                                  | Supply and Installation of cable Route marker including transportation from site/tent, excavation, refilling, disposing of malba, flooding with water, ramming/compacting of foundation as per standard specifications and drawing.                                                                                                                                     | Nos | 2       |                        |               |                                   |                                          |
| 17                                                  | BA will supply all necessary tools, Skilled jointer for making Jointing excluding excavation & Termination Kit for three phase / single phase as per DISCOM standards.This Line item is only for providing jointer and making joint by using suitable equipments by BA.Jointer will be certified by Raychem, 3M, Cellpack.Note :- Three phase will be consider one set. | Nos | 4       |                        |               |                                   |                                          |
| 18                                                  | Laying of HDPE from size 110mm to 200mm in open trench, ground etc.Laying of HDPE pipe inside open trench / Pole mounting/Tower mounting.Scope also includes providing and laying all required consumable etc. for collar fixing and sealing of Pipe. (Excavation is excluded)                                                                                          | M   | 240     |                        |               |                                   |                                          |
| 19                                                  | Material for earthing including masonary work for earth pit, salt, charcoal and RCC Cover                                                                                                                                                                                                                                                                               | EA  | 27      |                        |               |                                   |                                          |
| 20                                                  | Survey of incremental/delta network and assets changes of LT network and upadation in GESW databas                                                                                                                                                                                                                                                                      | Km  | 3.3     |                        |               |                                   |                                          |
| 21                                                  | Survey of incremental/delta network and assets changes of 11kV network and upadation in GESW databas                                                                                                                                                                                                                                                                    | KM  | 68.6    |                        |               |                                   |                                          |
| 22                                                  | Survey of incremental/delta network and assets changes of 11kV network and upadation in GESW databas (Each Pole)                                                                                                                                                                                                                                                        | Nos | 24      |                        |               |                                   |                                          |
| 23                                                  | Survey of incremental/delta network and assets changes of 11kV network and upadation in GESW databas(RMU)                                                                                                                                                                                                                                                               | Nos | 1       |                        |               |                                   |                                          |
| 24                                                  | Survey of incremental/delta network and assets changes of 33 kV network and upadation in GESW databas                                                                                                                                                                                                                                                                   | KM  | 0.1     |                        |               |                                   |                                          |
| 25                                                  | NH Crossing permission charges on approx basis                                                                                                                                                                                                                                                                                                                          | EA  | 1.00    |                        |               |                                   |                                          |
| 26                                                  | BA will provide necessary Manpower,civil material & Ms Material for construction of Brick boundary wall fencing 3MX3M.                                                                                                                                                                                                                                                  | R M | 84      |                        |               |                                   |                                          |
| Total All Inclusive Value ( Rs.) (C)                |                                                                                                                                                                                                                                                                                                                                                                         |     |         |                        |               |                                   |                                          |
| Total All Inclusive Value ( Rs.) (D) = (A)+(B)+ (C) |                                                                                                                                                                                                                                                                                                                                                                         |     |         |                        |               |                                   |                                          |

**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**AED-II**

| S.No. | Description of Item                                                            | UOM | QTY (A)    | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|--------------------------------------------------------------------------------|-----|------------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                    |     |            |                        |               |                                   |                                          |
| 2     | 8 mtr long 200 kg PSC pole                                                     | EA  | 333        |                        |               |                                   |                                          |
| 3     | 9 mtr long 300 kg PSC pole                                                     | EA  | 441        |                        |               |                                   |                                          |
| 4     | 10 mtr long 330 kg PSC pole                                                    | EA  | 317        |                        |               |                                   |                                          |
| 5     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 1580       |                        |               |                                   |                                          |
| 6     | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                  | EA  | 20         |                        |               |                                   |                                          |
| 7     | RCC base Plate                                                                 | EA  | 1030       |                        |               |                                   |                                          |
| 8     | <b>Conductor,Cable &amp; Accessories</b>                                       |     |            |                        |               |                                   |                                          |
| 9     | AAA conductor,100 mm2                                                          | M   | 120.00     |                        |               |                                   |                                          |
| 10    | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 231904.5   |                        |               |                                   |                                          |
| 11    | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                       | M   | 3090       |                        |               |                                   |                                          |
| 12    | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 36         |                        |               |                                   |                                          |
| 13    | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 1351       |                        |               |                                   |                                          |
| 14    | IPC for Covered Conductor 33 KV 148 Sqmm                                       | EA  | 18         |                        |               |                                   |                                          |
| 15    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 2252       |                        |               |                                   |                                          |
| 16    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.             | EA  | 30         |                        |               |                                   |                                          |
| 17    | Non metallic Tie for alignment 11kV                                            | EA  | 2927       |                        |               |                                   |                                          |
| 18    | Non metallic Tie for alignment 33kV                                            | EA  | 60         |                        |               |                                   |                                          |
| 19    | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 1713       |                        |               |                                   |                                          |
| 20    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 48.9147    |                        |               |                                   |                                          |
| 21    | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 1713       |                        |               |                                   |                                          |
| 22    | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 190        |                        |               |                                   |                                          |
| 23    | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 760        |                        |               |                                   |                                          |
| 24    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 9498       |                        |               |                                   |                                          |
| 25    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 4749       |                        |               |                                   |                                          |
| 26    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 4749       |                        |               |                                   |                                          |
| 27    | Cap cable end for ABC 35SQMM                                                   | EA  | 570        |                        |               |                                   |                                          |
| 28    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 1045       |                        |               |                                   |                                          |
| 29    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 1713       |                        |               |                                   |                                          |
| 30    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 1713       |                        |               |                                   |                                          |
| 31    | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 94.98      |                        |               |                                   |                                          |
| 32    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 95         |                        |               |                                   |                                          |
| 33    | <b>RMU</b>                                                                     |     |            |                        |               |                                   |                                          |
| 34    | <b>DANGER Plate</b>                                                            |     |            |                        |               |                                   |                                          |
| 35    | Danger Plate, 33kV                                                             | Nos | 77         |                        |               |                                   |                                          |
| 36    | Danger Plate, 11kV                                                             | Nos | 1840       |                        |               |                                   |                                          |
| 37    | BOARD DANGER 400/440 VOLT                                                      | Nos | 713        |                        |               |                                   |                                          |
| 38    | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 791.342928 |                        |               |                                   |                                          |
| 39    | <b>AB Switch</b>                                                               |     |            |                        |               |                                   |                                          |
| 40    | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 6          |                        |               |                                   |                                          |
| 41    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 344.16     |                        |               |                                   |                                          |
| 42    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 40.15      |                        |               |                                   |                                          |
| 43    | <b>V-Cross Arm</b>                                                             |     |            |                        |               |                                   |                                          |
| 44    | 11kV V cross Arm (GI)                                                          | Nos | 286        |                        |               |                                   |                                          |
| 45    | GI Back Clamp for 11kV 'V' Cros Arm                                            | Nos | 286        |                        |               |                                   |                                          |
| 46    | Top bracket 100X50X5mm GI channel                                              | Nos | 1380       |                        |               |                                   |                                          |
| 47    | 33kV V cross Arm (GI)                                                          | Nos | 74         |                        |               |                                   |                                          |
| 48    | GI Back Clamp for 33kV 'V' Cros Arm                                            | Nos | 74         |                        |               |                                   |                                          |
| 49    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |            |                        |               |                                   |                                          |
| 50    | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 372.84     |                        |               |                                   |                                          |
| 51    | Top Channel 100X50X5mm, each channel length 2.3 mtr.                           | Kg  | 314.16     |                        |               |                                   |                                          |
| 52    | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.            | Kg  | 6887.7888  |                        |               |                                   |                                          |
| 53    | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.            | Kg  | 130.016    |                        |               |                                   |                                          |
| 54    | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.       | Kg  | 1779.78902 |                        |               |                                   |                                          |
| 55    | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.         | Kg  | 514.08     |                        |               |                                   |                                          |
| 56    | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.       | Kg  | 34.27      |                        |               |                                   |                                          |
| 57    | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                        | Kg  | 379.30     |                        |               |                                   |                                          |

|     |                                                                                                  |      |            |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------|------|------------|--|--|--|--|
| 58  | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 1101.46    |  |  |  |  |
| 59  | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 9442.6024  |  |  |  |  |
| 60  | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314.16     |  |  |  |  |
| 61  | <b>GI Barbed Wire</b>                                                                            |      |            |  |  |  |  |
| 62  | GI barbed wire anticlimbing device                                                               | Kg   | 7889.76    |  |  |  |  |
| 63  | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 2864.77261 |  |  |  |  |
| 64  | Anticlimbing device Pole Spike                                                                   | Nos  | 2691       |  |  |  |  |
| 65  | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |            |  |  |  |  |
| 66  | 33kV,10kN pin insulator polymer                                                                  | Nos  | 233        |  |  |  |  |
| 67  | 11kV,5kN pin insulator polymer                                                                   | Nos  | 4077       |  |  |  |  |
| 68  | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 36         |  |  |  |  |
| 69  | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 18         |  |  |  |  |
| 70  | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 1387       |  |  |  |  |
| 71  | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 1351       |  |  |  |  |
| 72  | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 18         |  |  |  |  |
| 73  | Suspension Clamp                                                                                 | Pair | 333        |  |  |  |  |
| 74  | Eye hook                                                                                         | Nos  | 448        |  |  |  |  |
| 75  | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 226        |  |  |  |  |
| 76  | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 3          |  |  |  |  |
| 77  | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 857        |  |  |  |  |
| 78  | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 713        |  |  |  |  |
| 79  | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 285        |  |  |  |  |
| 80  | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 95         |  |  |  |  |
| 81  | <b>GI Wire &amp; Flat</b>                                                                        |      |            |  |  |  |  |
| 82  | Earthing of Support ( Coil Type )                                                                | Nos  | 2630       |  |  |  |  |
| 83  | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 16         |  |  |  |  |
| 84  | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 8.88       |  |  |  |  |
| 85  | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 855.34904  |  |  |  |  |
| 86  | 50X6 mm GI Flat                                                                                  | Kg   | 96         |  |  |  |  |
| 87  | <b>HT &amp; LT Stay</b>                                                                          |      |            |  |  |  |  |
| 88  | H.T 33kV Stay set (Complete)                                                                     | Set  | 457        |  |  |  |  |
| 89  | H.T 11kV Stay set (Complete)                                                                     | Set  | 34         |  |  |  |  |
| 90  | H.T Stay clamp                                                                                   | Pair | 491        |  |  |  |  |
| 91  | H.T Stay Insulator                                                                               | Nos  | 947        |  |  |  |  |
| 92  | LT Stay Set (Complete)                                                                           | Set  | 95         |  |  |  |  |
| 93  | LT Stay Insulator                                                                                | EA   | 95         |  |  |  |  |
| 94  | LT Stay clamp                                                                                    | Pair | 95         |  |  |  |  |
| 95  | 7/12 SWG Stay Wire                                                                               | Kg   | 759.84     |  |  |  |  |
| 96  | 7/10 SWG Stay Wire                                                                               | Kg   | 340        |  |  |  |  |
| 97  | 7/8 SWG Stay Wire                                                                                | kg   | 6844.5     |  |  |  |  |
| 98  | <b>Lightning Arrester</b>                                                                        |      |            |  |  |  |  |
| 99  | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 18         |  |  |  |  |
| 100 | <b>Paint</b>                                                                                     |      |            |  |  |  |  |
| 101 | Black Paint                                                                                      | Ltr  | 1314.96    |  |  |  |  |
| 102 | Yellow Colour Paint for Background                                                               | Ltr  | 2629.92    |  |  |  |  |
| 103 | Supply, Installation & commissioning of Aniders                                                  | Nos  | 2.00       |  |  |  |  |

**Total All Inclusive Value (Rs.) (A)**

**Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials**

| S. No. | Description of Item                                                | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|--------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | <b>Pole</b>                                                        |     |         |                        |               |                                   |                                          |
| 2      | 8 mtr long 200 kg PSC pole                                         | EA  | 333     |                        |               |                                   |                                          |
| 3      | 9 mtr long 300 kg PSC pole                                         | EA  | 441     |                        |               |                                   |                                          |
| 4      | 10 mtr long 330 kg PSC pole                                        | EA  | 317     |                        |               |                                   |                                          |
| 5      | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12      | EA  | 1580    |                        |               |                                   |                                          |
| 6      | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12      | EA  | 20      |                        |               |                                   |                                          |
| 7      | RCC base Plate                                                     | EA  | 1030    |                        |               |                                   |                                          |
| 8      | <b>Conductor,Cable &amp; Accessories</b>                           |     |         |                        |               |                                   |                                          |
| 9      | AAA conductor,100 mm2                                              | M   | 120     |                        |               |                                   |                                          |
| 10     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                           | M   | 231905  |                        |               |                                   |                                          |
| 11     | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                           | M   | 3090    |                        |               |                                   |                                          |
| 12     | PG Clamp for 100 mm2 AAAC conductor                                | EA  | 36      |                        |               |                                   |                                          |
| 13     | IPC for Covered Conductor 11 KV 100 Sqmm                           | EA  | 1351    |                        |               |                                   |                                          |
| 14     | IPC for Covered Conductor 33 KV 148 Sqmm                           | EA  | 18      |                        |               |                                   |                                          |
| 15     | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND. | EA  | 2252    |                        |               |                                   |                                          |

|    |                                                                                                  |      |      |  |  |  |  |
|----|--------------------------------------------------------------------------------------------------|------|------|--|--|--|--|
| 16 | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.                               | EA   | 30   |  |  |  |  |
| 17 | Non metallic Tie for alignment 11kV                                                              | EA   | 2927 |  |  |  |  |
| 18 | Non metallic Tie for alignment 33kV                                                              | EA   | 60   |  |  |  |  |
| 19 | LT Distribution Box Polycarbonate 10 Way                                                         | EA   | 1713 |  |  |  |  |
| 20 | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                                              | Km   | 49   |  |  |  |  |
| 21 | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                                  | M    | 1713 |  |  |  |  |
| 22 | Gland for 1.1kV Al 4CX25 Sq.mm                                                                   | EA   | 190  |  |  |  |  |
| 23 | Lug AL Crimping 25 Sqmm XLPE Single hole                                                         | EA   | 760  |  |  |  |  |
| 24 | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                              | M    | 9498 |  |  |  |  |
| 25 | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                             | M    | 4749 |  |  |  |  |
| 26 | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                             | M    | 4749 |  |  |  |  |
| 27 | Cap cable end for ABC 35SQMM                                                                     | EA   | 570  |  |  |  |  |
| 28 | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm                   | EA   | 1045 |  |  |  |  |
| 29 | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm                     | EA   | 1713 |  |  |  |  |
| 30 | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm                    | EA   | 1713 |  |  |  |  |
| 31 | STEEL STRAP SIZE 20 MMX50 M LONG                                                                 | ROL  | 95   |  |  |  |  |
| 32 | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                                         | EA   | 95   |  |  |  |  |
| 33 | <b>RMU</b>                                                                                       |      |      |  |  |  |  |
| 34 | <b>DANGER Plate</b>                                                                              |      |      |  |  |  |  |
| 35 | Danger Plate, 33kV                                                                               | Nos  | 77   |  |  |  |  |
| 36 | Danger Plate, 11kV                                                                               | Nos  | 1840 |  |  |  |  |
| 37 | BOARD DANGER 400/440 VOLT                                                                        | Nos  | 713  |  |  |  |  |
| 38 | Back Clamp (25X3 mm. flat) for danger Plate                                                      | Kg   | 791  |  |  |  |  |
| 39 | <b>AB Switch</b>                                                                                 |      |      |  |  |  |  |
| 40 | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                                   | Set  | 6    |  |  |  |  |
| 41 | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                                     | Kg   | 344  |  |  |  |  |
| 42 | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.                          | Kg   | 40   |  |  |  |  |
| 43 | <b>V-Cross Arm</b>                                                                               |      |      |  |  |  |  |
| 44 | 11kV V cross Arm (GI)                                                                            | Nos  | 285  |  |  |  |  |
| 45 | GI Back Clamp for 11kV 'V' Cros Arm                                                              | Nos  | 285  |  |  |  |  |
| 46 | Top bracket 100X50X5mm GI channel                                                                | Nos  | 1380 |  |  |  |  |
| 47 | 33kV V cross Arm (GI)                                                                            | Nos  | 74   |  |  |  |  |
| 48 | GI Back Clamp for 33kV 'V' Cros Arm                                                              | Nos  | 74   |  |  |  |  |
| 49 | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                                             |      |      |  |  |  |  |
| 50 | Top Channel 100X50X5mm,each channel length 3.25 mtr                                              | Kg   | 373  |  |  |  |  |
| 51 | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                             | Kg   | 314  |  |  |  |  |
| 52 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                              | Kg   | 6888 |  |  |  |  |
| 53 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.                              | Kg   | 130  |  |  |  |  |
| 54 | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                         | Kg   | 1780 |  |  |  |  |
| 55 | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.                           | Kg   | 514  |  |  |  |  |
| 56 | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 34   |  |  |  |  |
| 57 | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 379  |  |  |  |  |
| 58 | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 1101 |  |  |  |  |
| 59 | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 9443 |  |  |  |  |
| 60 | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314  |  |  |  |  |
| 61 | <b>GI Barbed Wire</b>                                                                            |      |      |  |  |  |  |
| 62 | GI barbed wire anticlimbing device                                                               | Kg   | 7890 |  |  |  |  |
| 63 | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 2865 |  |  |  |  |
| 64 | Anticlimbing device Pole Spike                                                                   | Nos  | 2691 |  |  |  |  |
| 65 | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |      |  |  |  |  |
| 66 | 33kV,10kN pin insulator polymer                                                                  | Nos  | 233  |  |  |  |  |
| 67 | 11kV,5kN pin insulator polymer                                                                   | Nos  | 4077 |  |  |  |  |
| 68 | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 36   |  |  |  |  |
| 69 | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 18   |  |  |  |  |
| 70 | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 1387 |  |  |  |  |
| 71 | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 1351 |  |  |  |  |
| 72 | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 18   |  |  |  |  |
| 73 | Suspension Clamp                                                                                 | Pair | 333  |  |  |  |  |
| 74 | Eye hook                                                                                         | Nos  | 448  |  |  |  |  |
| 75 | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 226  |  |  |  |  |
| 76 | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 3    |  |  |  |  |
| 77 | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 857  |  |  |  |  |
| 78 | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 713  |  |  |  |  |
| 79 | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 285  |  |  |  |  |
| 80 | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 95   |  |  |  |  |
| 81 | <b>GI Wire &amp; Flat</b>                                                                        |      |      |  |  |  |  |



**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**GSED**

| S.No. | Description of Item                                                            | UOM | QTY (A)   | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|--------------------------------------------------------------------------------|-----|-----------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                    |     |           |                        |               |                                   |                                          |
| 2     | 8 mtr long 200 kg PSC pole                                                     | EA  | 1115      |                        |               |                                   |                                          |
| 3     | 9 mtr long 300 kg PSC pole                                                     | EA  | 685       |                        |               |                                   |                                          |
| 4     | 10 mtr long 330 kg PSC pole                                                    | EA  | 1731      |                        |               |                                   |                                          |
| 5     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 3264      |                        |               |                                   |                                          |
| 6     | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                  | EA  | 168       |                        |               |                                   |                                          |
| 7     | RCC base Plate                                                                 | EA  | 3531      |                        |               |                                   |                                          |
| 8     | <b>Conductor,Cable &amp; Accessories</b>                                       |     |           |                        |               |                                   |                                          |
| 9     | AAA conductor,100 mm2                                                          | M   | 740.00    |                        |               |                                   |                                          |
| 10    | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 463191    |                        |               |                                   |                                          |
| 11    | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                       | M   | 24720     |                        |               |                                   |                                          |
| 12    | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 528       |                        |               |                                   |                                          |
| 13    | PG Clamp for 148 mm2 AAAC conductor                                            | Nos | 24        |                        |               |                                   |                                          |
| 14    | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 2699      |                        |               |                                   |                                          |
| 15    | IPC for Covered Conductor 33 KV 148 Sqmm                                       | EA  | 144       |                        |               |                                   |                                          |
| 16    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 4497      |                        |               |                                   |                                          |
| 17    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.             | EA  | 240       |                        |               |                                   |                                          |
| 18    | Non metallic Tie for alignment 11kV                                            | EA  | 5847      |                        |               |                                   |                                          |
| 19    | Non metallic Tie for alignment 33kV                                            | EA  | 480       |                        |               |                                   |                                          |
| 20    | 11kV AL 3CX400 Sqmm XLPE Cable armoured A2XCWY-FRLSH                           | M   | 4800.00   |                        |               |                                   |                                          |
| 21    | 3CX400 mm2 33KV XLPE Cable (Armoured), A2XWY                                   | M   | 480       |                        |               |                                   |                                          |
| 22    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(outdoor type)      | Nos | 80        |                        |               |                                   |                                          |
| 23    | Heat shrinkable jointing kit for 3Cx400 mm² 33KV XLPE Cable(outdoor type)      | Nos | 8         |                        |               |                                   |                                          |
| 24    | High Density Polyethylene (HDPE) pipe 200mm diameter, PE 80-PN8                | M   | 4800      |                        |               |                                   |                                          |
| 25    | High Density Polyethylene (HDPE) pipe 160mm diameter, PE 80-PN8                | M   | 480       |                        |               |                                   |                                          |
| 26    | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 176       |                        |               |                                   |                                          |
| 27    | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 3085      |                        |               |                                   |                                          |
| 28    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 9.064     |                        |               |                                   |                                          |
| 29    | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                            | km  | 79.0731   |                        |               |                                   |                                          |
| 30    | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 3085      |                        |               |                                   |                                          |
| 31    | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 343       |                        |               |                                   |                                          |
| 32    | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 1370      |                        |               |                                   |                                          |
| 33    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 17114     |                        |               |                                   |                                          |
| 34    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 8557      |                        |               |                                   |                                          |
| 35    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 8557      |                        |               |                                   |                                          |
| 36    | Cap cable end for ABC 35SQMM                                                   | EA  | 1027      |                        |               |                                   |                                          |
| 37    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 1883      |                        |               |                                   |                                          |
| 38    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 3085      |                        |               |                                   |                                          |
| 39    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 3085      |                        |               |                                   |                                          |
| 40    | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 171.14    |                        |               |                                   |                                          |
| 41    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 172       |                        |               |                                   |                                          |
| 42    | <b>RMU</b>                                                                     |     |           |                        |               |                                   |                                          |
| 43    | <b>DANGER Plate</b>                                                            |     |           |                        |               |                                   |                                          |
| 44    | Danger Plate, 33kV                                                             | Nos | 248       |                        |               |                                   |                                          |
| 45    | Danger Plate, 11kV                                                             | Nos | 4813      |                        |               |                                   |                                          |
| 46    | BOARD DANGER 400/440 VOLT                                                      | Nos | 1799      |                        |               |                                   |                                          |
| 47    | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 2095.0343 |                        |               |                                   |                                          |
| 48    | <b>AB Switch</b>                                                               |     |           |                        |               |                                   |                                          |
| 49    | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 37        |                        |               |                                   |                                          |
| 50    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 2122.32   |                        |               |                                   |                                          |
| 51    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 247.60    |                        |               |                                   |                                          |
| 52    | <b>V-Cross Arm</b>                                                             |     |           |                        |               |                                   |                                          |
| 53    | 11kV V cross Arm (GI)                                                          | Nos | 3240      |                        |               |                                   |                                          |
| 54    | GI Back Clamp for 11kV 'V' Cros Arm                                            | Nos | 3240      |                        |               |                                   |                                          |
| 55    | Top bracket 100X50X5mm GI channel                                              | Nos | 3930      |                        |               |                                   |                                          |
| 56    | 33kV V cross Arm (GI)                                                          | Nos | 216       |                        |               |                                   |                                          |
| 57    | GI Back Clamp for 33kV 'V' Cros Arm                                            | Nos | 216       |                        |               |                                   |                                          |





| S. No. | Description of Item                                                            | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|--------------------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | <b>Pole</b>                                                                    |     |         |                        |               |                                   |                                          |
| 2      | 8 mtr long 200 kg PSC pole                                                     | EA  | 1115    |                        |               |                                   |                                          |
| 3      | 9 mtr long 300 kg PSC pole                                                     | EA  | 685     |                        |               |                                   |                                          |
| 4      | 10 mtr long 330 kg PSC pole                                                    | EA  | 1731    |                        |               |                                   |                                          |
| 5      | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 3264    |                        |               |                                   |                                          |
| 6      | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                  | EA  | 168     |                        |               |                                   |                                          |
| 7      | RCC base Plate                                                                 | EA  | 3531    |                        |               |                                   |                                          |
| 8      | <b>Conductor,Cable &amp; Accessories</b>                                       |     |         |                        |               |                                   |                                          |
| 9      | AAA conductor,100 mm2                                                          | M   | 740     |                        |               |                                   |                                          |
| 10     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 463191  |                        |               |                                   |                                          |
| 11     | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                       | M   | 24720   |                        |               |                                   |                                          |
| 12     | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 528     |                        |               |                                   |                                          |
| 13     | PG Clamp for 148 mm2 AAAC conductor                                            | Nos | 24      |                        |               |                                   |                                          |
| 14     | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 2699    |                        |               |                                   |                                          |
| 15     | IPC for Covered Conductor 33 KV 148 Sqmm                                       | EA  | 144     |                        |               |                                   |                                          |
| 16     | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 4497    |                        |               |                                   |                                          |
| 17     | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.             | EA  | 240     |                        |               |                                   |                                          |
| 18     | Non metallic Tie for alignment 11kV                                            | EA  | 5847    |                        |               |                                   |                                          |
| 19     | Non metallic Tie for alignment 33kV                                            | EA  | 480     |                        |               |                                   |                                          |
| 20     | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 176     |                        |               |                                   |                                          |
| 21     | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 3085    |                        |               |                                   |                                          |
| 22     | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 9       |                        |               |                                   |                                          |
| 23     | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                            | km  | 79      |                        |               |                                   |                                          |
| 24     | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 3085    |                        |               |                                   |                                          |
| 25     | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 343     |                        |               |                                   |                                          |
| 26     | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 1370    |                        |               |                                   |                                          |
| 27     | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 17114   |                        |               |                                   |                                          |
| 28     | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 8557    |                        |               |                                   |                                          |
| 29     | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 8557    |                        |               |                                   |                                          |
| 30     | Cap cable end for ABC 35SQMM                                                   | EA  | 1027    |                        |               |                                   |                                          |
| 31     | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 1883    |                        |               |                                   |                                          |
| 32     | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 3085    |                        |               |                                   |                                          |
| 33     | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 3085    |                        |               |                                   |                                          |
| 34     | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 171     |                        |               |                                   |                                          |
| 35     | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 172     |                        |               |                                   |                                          |
| 36     | <b>RMU</b>                                                                     |     |         |                        |               |                                   |                                          |
| 37     | <b>DANGER Plate</b>                                                            |     |         |                        |               |                                   |                                          |
| 38     | Danger Plate, 33kV                                                             | Nos | 248     |                        |               |                                   |                                          |
| 39     | Danger Plate, 11kV                                                             | Nos | 4813    |                        |               |                                   |                                          |
| 40     | BOARD DANGER 400/440 VOLT                                                      | Nos | 1800    |                        |               |                                   |                                          |
| 41     | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 2095    |                        |               |                                   |                                          |
| 42     | <b>AB Switch</b>                                                               |     |         |                        |               |                                   |                                          |
| 43     | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 37      |                        |               |                                   |                                          |
| 44     | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 2122    |                        |               |                                   |                                          |
| 45     | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 248     |                        |               |                                   |                                          |
| 46     | <b>V-Cross Arm</b>                                                             |     |         |                        |               |                                   |                                          |
| 47     | 11kV V cross Arm (GI)                                                          | Nos | 3240    |                        |               |                                   |                                          |
| 48     | GI Back Clamp for 11kV 'V' Cros Arm                                            | Nos | 3240    |                        |               |                                   |                                          |
| 49     | Top bracket 100X50X5mm GI channel                                              | Nos | 3930    |                        |               |                                   |                                          |
| 50     | 33kV V cross Arm (GI)                                                          | Nos | 216     |                        |               |                                   |                                          |
| 51     | GI Back Clamp for 33kV 'V' Cros Arm                                            | Nos | 216     |                        |               |                                   |                                          |
| 52     | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |         |                        |               |                                   |                                          |
| 53     | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 2299    |                        |               |                                   |                                          |
| 54     | Top Channel 100X50X5mm, each channel length 4.3 mtr.                           | Kg  | 176     |                        |               |                                   |                                          |
| 55     | Top Channel 100X50X5mm, each channel length 2.3 mtr.                           | Kg  | 2557    |                        |               |                                   |                                          |
| 56     | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.            | Kg  | 13757   |                        |               |                                   |                                          |
| 57     | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.            | Kg  | 1040    |                        |               |                                   |                                          |
| 58     | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.       | Kg  | 3695    |                        |               |                                   |                                          |
| 59     | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.         | Kg  | 3170    |                        |               |                                   |                                          |
| 60     | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr          | Kg  | 571     |                        |               |                                   |                                          |
| 61     | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.           | Kg  | 7283    |                        |               |                                   |                                          |
| 62     | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.       | Kg  | 211     |                        |               |                                   |                                          |
| 63     | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.          | Kg  | 385     |                        |               |                                   |                                          |
| 64     | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                        | Kg  | 2339    |                        |               |                                   |                                          |

|     |                                                                                                  |      |       |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------|------|-------|--|--|--|--|
| 65  | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                                          | Kg   | 4904  |  |  |  |  |
| 66  | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 2707  |  |  |  |  |
| 67  | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 24559 |  |  |  |  |
| 68  | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314   |  |  |  |  |
| 69  | <b>GI Barbed Wire</b>                                                                            |      |       |  |  |  |  |
| 70  | GI barbed wire anticlimbing device                                                               | Kg   | 20888 |  |  |  |  |
| 71  | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 7374  |  |  |  |  |
| 72  | Anticlimbing device Pole Spike                                                                   | Nos  | 38023 |  |  |  |  |
| 73  | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |       |  |  |  |  |
| 74  | 33kV,10kN pin insulator polymer                                                                  | Nos  | 748   |  |  |  |  |
| 75  | 11kV,5kN pin insulator polymer                                                                   | Nos  | 11633 |  |  |  |  |
| 76  | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                               | Set  | 24    |  |  |  |  |
| 77  | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 528   |  |  |  |  |
| 78  | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 168   |  |  |  |  |
| 79  | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 3227  |  |  |  |  |
| 80  | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 2699  |  |  |  |  |
| 81  | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 144   |  |  |  |  |
| 82  | Suspension Clamp                                                                                 | Pair | 1115  |  |  |  |  |
| 83  | Eye hook                                                                                         | Nos  | 1307  |  |  |  |  |
| 84  | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 450   |  |  |  |  |
| 85  | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 24    |  |  |  |  |
| 86  | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 1543  |  |  |  |  |
| 87  | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 1800  |  |  |  |  |
| 88  | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 514   |  |  |  |  |
| 89  | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 172   |  |  |  |  |
| 90  | <b>GI Wire &amp; Flat</b>                                                                        |      |       |  |  |  |  |
| 91  | Earthing of Support ( Coil Type )                                                                | Nos  | 6963  |  |  |  |  |
| 92  | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 322   |  |  |  |  |
| 93  | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 9     |  |  |  |  |
| 94  | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 1991  |  |  |  |  |
| 95  | 25X6 mm GI Flat                                                                                  | Kg   | 1760  |  |  |  |  |
| 96  | 50X6 mm GI Flat                                                                                  | Kg   | 612   |  |  |  |  |
| 97  | <b>HT &amp; LT Stay</b>                                                                          |      |       |  |  |  |  |
| 98  | H.T 33kV Stay set (Complete)                                                                     | Set  | 1168  |  |  |  |  |
| 99  | H.T 11kV Stay set (Complete)                                                                     | Set  | 158   |  |  |  |  |
| 100 | H.T Stay clamp                                                                                   | Pair | 1326  |  |  |  |  |
| 101 | H.T Stay Insulator                                                                               | Nos  | 2273  |  |  |  |  |
| 102 | LT Stay Set (Complete)                                                                           | Set  | 172   |  |  |  |  |
| 103 | LT Stay Insulator                                                                                | EA   | 172   |  |  |  |  |
| 104 | LT Stay clamp                                                                                    | Pair | 172   |  |  |  |  |
| 105 | 7/12 SWG Stay Wire                                                                               | Kg   | 1369  |  |  |  |  |
| 106 | 7/10 SWG Stay Wire                                                                               | Kg   | 3620  |  |  |  |  |
| 107 | 7/8 SWG Stay Wire                                                                                | kg   | 14371 |  |  |  |  |
| 108 | <b>Lightning Arrester</b>                                                                        |      |       |  |  |  |  |
| 109 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 120   |  |  |  |  |
| 110 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 111   |  |  |  |  |
| 111 | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                                           | Nos  | 12    |  |  |  |  |
| 112 | <b>Paint</b>                                                                                     |      |       |  |  |  |  |
| 113 | Black Paint                                                                                      | Ltr  | 3481  |  |  |  |  |
| 114 | Yellow Colour Paint for Background                                                               | Ltr  | 6963  |  |  |  |  |

**Total All Inclusive Value ( Rs.) (B)**

**Elephant Corridor - PART C: Civil & Services**

| S. No. | Description of Item                                     | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | Concreting of poles in ratio 1:1.5:3 for 8MTR PSC POLE  | Nos | 1115    |                        |               |                                   |                                          |
| 2      | Concreting of poles in ratio 1:1.5:3 for 9MTR PSC POLE  | Nos | 685.000 |                        |               |                                   |                                          |
| 3      | Concreting of poles in ratio 1:1.5:3 for 10MTR PSC POLE | Nos | 1731    |                        |               |                                   |                                          |
| 4      | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE | Nos | 3264    |                        |               |                                   |                                          |
| 5      | Concreting of poles in ratio 1:1.5:3 for 13MTR WPB POLE | Nos | 168     |                        |               |                                   |                                          |
| 6      | Couping of poles in ratio 1:1.5:3 for 8MTR PSC POLE     | Nos | 1115    |                        |               |                                   |                                          |
| 7      | Couping of poles in ratio 1:1.5:3 for 9MTR PSC POLE     | Nos | 685.000 |                        |               |                                   |                                          |
| 8      | Couping of poles in ratio 1:1.5:3 for 10MTR PSC POLE    | Nos | 1731    |                        |               |                                   |                                          |
| 9      | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE    | Nos | 3264    |                        |               |                                   |                                          |
| 10     | Couping of poles in ratio 1:1.5:3 for 13MTR WPB POLE    | Nos | 168     |                        |               |                                   |                                          |
| 11     | Stay concreting in ratio 1:2:4                          | EA  | 1496.54 |                        |               |                                   |                                          |
| 12     | Dismantle of RSJ/WPB pole 11/13 Mtr.                    | EA  | 1105.3  |                        |               |                                   |                                          |



**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**BNED**

| S.No. | Description of Item                                                            | UOM | QTY (A)    | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|--------------------------------------------------------------------------------|-----|------------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                    |     |            |                        |               |                                   |                                          |
| 2     | 9 mtr long 300 kg PSC pole                                                     | EA  | 56         |                        |               |                                   |                                          |
| 3     | 10 mtr long 330 kg PSC pole                                                    | EA  | 565        |                        |               |                                   |                                          |
| 4     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 1162       |                        |               |                                   |                                          |
| 5     | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                  | EA  | 416        |                        |               |                                   |                                          |
| 6     | RCC base Plate                                                                 | EA  | 621        |                        |               |                                   |                                          |
| 7     | <b>Conductor,Cable &amp; Accessories</b>                                       |     |            |                        |               |                                   |                                          |
| 8     | AAA conductor,100 mm2                                                          | M   | 200.00     |                        |               |                                   |                                          |
| 9     | AAA conductor,148 mm2                                                          | M   | 168        |                        |               |                                   |                                          |
| 10    | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 167787     |                        |               |                                   |                                          |
| 11    | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                       | M   | 61800      |                        |               |                                   |                                          |
| 12    | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 198        |                        |               |                                   |                                          |
| 13    | PG Clamp for 148 mm2 AAAC conductor                                            | Nos | 48         |                        |               |                                   |                                          |
| 14    | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 978        |                        |               |                                   |                                          |
| 15    | IPC for Covered Conductor 33 KV 148 Sqmm                                       | EA  | 360        |                        |               |                                   |                                          |
| 16    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 1629       |                        |               |                                   |                                          |
| 17    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.             | EA  | 600        |                        |               |                                   |                                          |
| 18    | Non metallic Tie for alignment 11kv                                            | EA  | 2118       |                        |               |                                   |                                          |
| 19    | Non metallic Tie for alignment 33kv                                            | EA  | 1200       |                        |               |                                   |                                          |
| 20    | 11kv AL 3CX400 Sqmm XLPE Cable armoured A2XCWY-FRLSH                           | M   | 240.00     |                        |               |                                   |                                          |
| 21    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(outdoor type)      | Nos | 4          |                        |               |                                   |                                          |
| 22    | High Density Polyethylene (HDPE) pipe 200mm diameter, PE 80-PN8                | M   | 240        |                        |               |                                   |                                          |
| 23    | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 8          |                        |               |                                   |                                          |
| 24    | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 251        |                        |               |                                   |                                          |
| 25    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 6.4478     |                        |               |                                   |                                          |
| 26    | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                            | km  | 0.721      |                        |               |                                   |                                          |
| 27    | 1.1kv Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 251        |                        |               |                                   |                                          |
| 28    | Gland for 1.1kv Al 4CX25 Sq.mm                                                 | EA  | 28         |                        |               |                                   |                                          |
| 29    | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 112        |                        |               |                                   |                                          |
| 30    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 1392       |                        |               |                                   |                                          |
| 31    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 696        |                        |               |                                   |                                          |
| 32    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 696        |                        |               |                                   |                                          |
| 33    | Cap cable end for ABC 35SQMM                                                   | EA  | 84         |                        |               |                                   |                                          |
| 34    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 154        |                        |               |                                   |                                          |
| 35    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 251        |                        |               |                                   |                                          |
| 36    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 251        |                        |               |                                   |                                          |
| 37    | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 13.92      |                        |               |                                   |                                          |
| 38    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 14         |                        |               |                                   |                                          |
| 39    | <b>RMU</b>                                                                     |     |            |                        |               |                                   |                                          |
| 40    | <b>DANGER Plate</b>                                                            |     |            |                        |               |                                   |                                          |
| 41    | Danger Plate, 33kV                                                             | Nos | 416        |                        |               |                                   |                                          |
| 42    | Danger Plate, 11kV                                                             | Nos | 1681       |                        |               |                                   |                                          |
| 43    | BOARD DANGER 400/440 VOLT                                                      | Nos | 55.68      |                        |               |                                   |                                          |
| 44    | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 661.582812 |                        |               |                                   |                                          |
| 45    | <b>AB Switch</b>                                                               |     |            |                        |               |                                   |                                          |
| 46    | 11kv AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 10         |                        |               |                                   |                                          |
| 47    | 33kv AB Switch 400A 3Pole 50Hz Horizontal Type                                 | Set | 8          |                        |               |                                   |                                          |
| 48    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 573.60     |                        |               |                                   |                                          |
| 49    | AB Switch mounting Channel 100X50X5mm GI channel 3.5mtr long                   | Kg  | 535.36     |                        |               |                                   |                                          |
| 50    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 120.46     |                        |               |                                   |                                          |
| 51    | <b>V-Cross Arm</b>                                                             |     |            |                        |               |                                   |                                          |
| 52    | 11kv V cross Arm (GI)                                                          | Nos | 1118       |                        |               |                                   |                                          |
| 53    | GI Back Clamp for 11kv 'V' Cros Arm                                            | Nos | 1118       |                        |               |                                   |                                          |
| 54    | Top bracket 100X50X5mm GI channel                                              | Nos | 1681       |                        |               |                                   |                                          |
| 55    | 33kv V cross Arm (GI)                                                          | Nos | 340        |                        |               |                                   |                                          |
| 56    | GI Back Clamp for 33kv 'V' Cros Arm                                            | Nos | 340        |                        |               |                                   |                                          |
| 57    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |            |                        |               |                                   |                                          |

|                                            |                                                                                                  |      |            |  |  |  |  |
|--------------------------------------------|--------------------------------------------------------------------------------------------------|------|------------|--|--|--|--|
| 58                                         | Top Channel 100X50X5mm,each channel length 3.25 mtr                                              | Kg   | 621.40     |  |  |  |  |
| 59                                         | Top Channel 100X50X5mm, each channel length 4.3 mtr.                                             | Kg   | 657.728    |  |  |  |  |
| 60                                         | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                             | Kg   | 1325.608   |  |  |  |  |
| 61                                         | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                              | Kg   | 4983.4368  |  |  |  |  |
| 62                                         | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.                              | Kg   | 2600.32    |  |  |  |  |
| 63                                         | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                         | Kg   | 1738.83398 |  |  |  |  |
| 64                                         | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.                           | Kg   | 856.80     |  |  |  |  |
| 65                                         | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr                            | Kg   | 982.464    |  |  |  |  |
| 66                                         | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.                             | Kg   | 3284.4     |  |  |  |  |
| 67                                         | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 102.82     |  |  |  |  |
| 68                                         | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.                            | Kg   | 709.488    |  |  |  |  |
| 69                                         | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 632.16     |  |  |  |  |
| 70                                         | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                                          | Kg   | 2211.588   |  |  |  |  |
| 71                                         | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 1261.48    |  |  |  |  |
| 72                                         | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 10170.7596 |  |  |  |  |
| 73                                         | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314.16     |  |  |  |  |
| 74                                         | <b>GI Barbed Wire</b>                                                                            |      |            |  |  |  |  |
| 75                                         | GI barbed wire anticlimbing device                                                               | Kg   | 6596.04    |  |  |  |  |
| 76                                         | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 2646.33125 |  |  |  |  |
| 77                                         | Anticlimbing device Pole Spike                                                                   | Nos  | 2199       |  |  |  |  |
| 78                                         | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |            |  |  |  |  |
| 79                                         | 33kV,10kN pin insulator polymer                                                                  | Nos  | 1264       |  |  |  |  |
| 80                                         | 11kV,5kN pin insulator polymer                                                                   | Nos  | 4051       |  |  |  |  |
| 81                                         | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                               | Set  | 48         |  |  |  |  |
| 82                                         | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 198        |  |  |  |  |
| 83                                         | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 408        |  |  |  |  |
| 84                                         | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 1176       |  |  |  |  |
| 85                                         | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 978        |  |  |  |  |
| 86                                         | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 360        |  |  |  |  |
| 87                                         | Eye hook                                                                                         | Nos  | 34         |  |  |  |  |
| 88                                         | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 163        |  |  |  |  |
| 89                                         | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 60         |  |  |  |  |
| 90                                         | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 126        |  |  |  |  |
| 91                                         | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 56         |  |  |  |  |
| 92                                         | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 42         |  |  |  |  |
| 93                                         | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 14         |  |  |  |  |
| 94                                         | <b>GI Wire &amp; Flat</b>                                                                        |      |            |  |  |  |  |
| 95                                         | Earthing of Support ( Coil Type )                                                                | Nos  | 2199       |  |  |  |  |
| 96                                         | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 61         |  |  |  |  |
| 97                                         | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 8.88       |  |  |  |  |
| 98                                         | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 742.36416  |  |  |  |  |
| 99                                         | 25X6 mm GI Flat                                                                                  | Kg   | 80         |  |  |  |  |
| 100                                        | 50X6 mm GI Flat                                                                                  | Kg   | 306        |  |  |  |  |
| 101                                        | <b>HT &amp; LT Stay</b>                                                                          |      |            |  |  |  |  |
| 102                                        | H.T 33kV Stay set (Complete)                                                                     | Set  | 570        |  |  |  |  |
| 103                                        | H.T 11kV Stay set (Complete)                                                                     | Set  | 50         |  |  |  |  |
| 104                                        | H.T Stay clamp                                                                                   | Pair | 620        |  |  |  |  |
| 105                                        | H.T Stay Insulator                                                                               | Nos  | 1098       |  |  |  |  |
| 106                                        | LT Stay Set (Complete)                                                                           | Set  | 14         |  |  |  |  |
| 107                                        | LT Stay Insulator                                                                                | EA   | 14         |  |  |  |  |
| 108                                        | LT Stay clamp                                                                                    | Pair | 14         |  |  |  |  |
| 109                                        | 7/12 SWG Stay Wire                                                                               | Kg   | 111.36     |  |  |  |  |
| 110                                        | 7/10 SWG Stay Wire                                                                               | Kg   | 1420       |  |  |  |  |
| 111                                        | 7/8 SWG Stay Wire                                                                                | kg   | 7167       |  |  |  |  |
| 112                                        | <b>Lightning Arrester</b>                                                                        |      |            |  |  |  |  |
| 113                                        | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 6          |  |  |  |  |
| 114                                        | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 30         |  |  |  |  |
| 115                                        | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                                           | Nos  | 24         |  |  |  |  |
| 116                                        | <b>Paint</b>                                                                                     |      |            |  |  |  |  |
| 117                                        | Black Paint                                                                                      | Ltr  | 1099.34    |  |  |  |  |
| 118                                        | Yellow Colour Paint for Background                                                               | Ltr  | 2198.68    |  |  |  |  |
| 119                                        | Supply, Installation & commissioning of Aniders                                                  | Nos  | 2.00       |  |  |  |  |
| <b>Total All Inclusive Value (Rs.) (A)</b> |                                                                                                  |      |            |  |  |  |  |

**Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials**

| S. No. | Description of Item | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
|--------|---------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|

|    |                                                                                |     |        |  |  |  |
|----|--------------------------------------------------------------------------------|-----|--------|--|--|--|
| 1  | <b>Pole</b>                                                                    |     |        |  |  |  |
| 2  | 9 mtr long 300 kg PSC pole                                                     | EA  | 56     |  |  |  |
| 3  | 10 mtr long 330 kg PSC pole                                                    | EA  | 565    |  |  |  |
| 4  | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 1162   |  |  |  |
| 5  | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                  | EA  | 416    |  |  |  |
| 6  | RCC base Plate                                                                 | EA  | 621    |  |  |  |
| 7  | <b>Conductor,Cable &amp; Accessories</b>                                       |     |        |  |  |  |
| 8  | AAA conductor,100 mm2                                                          | M   | 200    |  |  |  |
| 9  | AAA conductor,148 mm2                                                          | M   | 168    |  |  |  |
| 10 | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 167787 |  |  |  |
| 11 | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                       | M   | 61800  |  |  |  |
| 12 | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 198    |  |  |  |
| 13 | PG Clamp for 148 mm2 AAAC conductor                                            | Nos | 48     |  |  |  |
| 14 | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 978    |  |  |  |
| 15 | IPC for Covered Conductor 33 KV 148 Sqmm                                       | EA  | 360    |  |  |  |
| 16 | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 1629   |  |  |  |
| 17 | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.             | EA  | 600    |  |  |  |
| 18 | Non metallic Tie for alignment 11kV                                            | EA  | 2118   |  |  |  |
| 19 | Non metallic Tie for alignment 33kV                                            | EA  | 1200   |  |  |  |
| 20 | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 8      |  |  |  |
| 21 | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 251    |  |  |  |
| 22 | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 6      |  |  |  |
| 23 | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                            | km  | 1      |  |  |  |
| 24 | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 251    |  |  |  |
| 25 | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 28     |  |  |  |
| 26 | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 112    |  |  |  |
| 27 | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 1392   |  |  |  |
| 28 | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 696    |  |  |  |
| 29 | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 696    |  |  |  |
| 30 | Cap cable end for ABC 35SQMM                                                   | EA  | 84     |  |  |  |
| 31 | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 154    |  |  |  |
| 32 | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 251    |  |  |  |
| 33 | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 251    |  |  |  |
| 34 | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 14     |  |  |  |
| 35 | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 14     |  |  |  |
| 36 | <b>RMU</b>                                                                     |     |        |  |  |  |
| 37 | <b>DANGER Plate</b>                                                            |     |        |  |  |  |
| 38 | Danger Plate, 33kV                                                             | Nos | 416    |  |  |  |
| 39 | Danger Plate, 11kV                                                             | Nos | 1681   |  |  |  |
| 40 | BOARD DANGER 400/440 VOLT                                                      | Nos | 56     |  |  |  |
| 41 | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 662    |  |  |  |
| 42 | <b>AB Switch</b>                                                               |     |        |  |  |  |
| 43 | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 10     |  |  |  |
| 44 | 33kV AB Switch 400A 3Pole 50Hz Horizontal Type                                 | Set | 8      |  |  |  |
| 45 | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 574    |  |  |  |
| 46 | AB Switch mounting Channel 100X50X5mm GI channel 3.5mtr long                   | Kg  | 535    |  |  |  |
| 47 | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 120    |  |  |  |
| 48 | <b>V-Cross Arm</b>                                                             |     |        |  |  |  |
| 49 | 11kV V cross Arm (GI)                                                          | Nos | 1118   |  |  |  |
| 50 | GI Back Clamp for 11kV 'V' Cros Arm                                            | Nos | 1118   |  |  |  |
| 51 | Top bracket 100X50X5mm GI channel                                              | Nos | 1681   |  |  |  |
| 52 | 33kV V cross Arm (GI)                                                          | Nos | 340    |  |  |  |
| 53 | GI Back Clamp for 33kV 'V' Cros Arm                                            | Nos | 340    |  |  |  |
| 54 | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |        |  |  |  |
| 55 | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 621    |  |  |  |
| 56 | Top Channel 100X50X5mm, each channel length 4.3 mtr.                           | Kg  | 658    |  |  |  |
| 57 | Top Channel 100X50X5mm, each channel length 2.3 mtr.                           | Kg  | 1326   |  |  |  |
| 58 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.            | Kg  | 4983   |  |  |  |
| 59 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.            | Kg  | 2600   |  |  |  |
| 60 | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.       | Kg  | 1739   |  |  |  |
| 61 | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.         | Kg  | 857    |  |  |  |
| 62 | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr          | Kg  | 982    |  |  |  |
| 63 | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.           | Kg  | 3284   |  |  |  |
| 64 | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.       | Kg  | 103    |  |  |  |
| 65 | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.          | Kg  | 709    |  |  |  |
| 66 | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                        | Kg  | 632    |  |  |  |
| 67 | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                        | Kg  | 2212   |  |  |  |
| 68 | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                     | Kg  | 1261   |  |  |  |

|                                             |                                                                                                  |      |       |  |  |  |  |
|---------------------------------------------|--------------------------------------------------------------------------------------------------|------|-------|--|--|--|--|
| 69                                          | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 10171 |  |  |  |  |
| 70                                          | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314   |  |  |  |  |
| 71                                          | <b>GI Barbed Wire</b>                                                                            |      |       |  |  |  |  |
| 72                                          | GI barbed wire anticlimbing device                                                               | Kg   | 6596  |  |  |  |  |
| 73                                          | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 2646  |  |  |  |  |
| 74                                          | Anticlimbing device Pole Spike                                                                   | Nos  | 2199  |  |  |  |  |
| 75                                          | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |       |  |  |  |  |
| 76                                          | 33kV,10kN pin insulator polymer                                                                  | Nos  | 1264  |  |  |  |  |
| 77                                          | 11kV,5kN pin insulator polymer                                                                   | Nos  | 4051  |  |  |  |  |
| 78                                          | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                               | Set  | 48    |  |  |  |  |
| 79                                          | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 198   |  |  |  |  |
| 80                                          | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 408   |  |  |  |  |
| 81                                          | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 1176  |  |  |  |  |
| 82                                          | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 978   |  |  |  |  |
| 83                                          | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 360   |  |  |  |  |
| 84                                          | Eye hook                                                                                         | Nos  | 34    |  |  |  |  |
| 85                                          | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 163   |  |  |  |  |
| 86                                          | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 60    |  |  |  |  |
| 87                                          | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 126   |  |  |  |  |
| 88                                          | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 56    |  |  |  |  |
| 89                                          | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 42    |  |  |  |  |
| 90                                          | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 14    |  |  |  |  |
| 91                                          | <b>GI Wire &amp; Flat</b>                                                                        |      |       |  |  |  |  |
| 92                                          | Earthing of Support ( Coil Type )                                                                | Nos  | 2199  |  |  |  |  |
| 93                                          | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 61    |  |  |  |  |
| 94                                          | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 9     |  |  |  |  |
| 95                                          | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 742   |  |  |  |  |
| 96                                          | 25X6 mm GI Flat                                                                                  | Kg   | 80    |  |  |  |  |
| 97                                          | 50X6 mm GI Flat                                                                                  | Kg   | 306   |  |  |  |  |
| 98                                          | <b>HT &amp; LT Stay</b>                                                                          |      |       |  |  |  |  |
| 99                                          | H.T 33kV Stay set (Complete)                                                                     | Set  | 570   |  |  |  |  |
| 100                                         | H.T 11kV Stay set (Complete)                                                                     | Set  | 50    |  |  |  |  |
| 101                                         | H.T Stay clamp                                                                                   | Pair | 620   |  |  |  |  |
| 102                                         | H.T Stay Insulator                                                                               | Nos  | 1098  |  |  |  |  |
| 103                                         | LT Stay Set (Complete)                                                                           | Set  | 14    |  |  |  |  |
| 104                                         | LT Stay Insulator                                                                                | EA   | 14    |  |  |  |  |
| 105                                         | LT Stay clamp                                                                                    | Pair | 14    |  |  |  |  |
| 106                                         | 7/12 SWG Stay Wire                                                                               | Kg   | 111   |  |  |  |  |
| 107                                         | 7/10 SWG Stay Wire                                                                               | Kg   | 1420  |  |  |  |  |
| 108                                         | 7/8 SWG Stay Wire                                                                                | kg   | 7167  |  |  |  |  |
| 109                                         | <b>Lightning Arrester</b>                                                                        |      |       |  |  |  |  |
| 110                                         | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 6     |  |  |  |  |
| 111                                         | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 30    |  |  |  |  |
| 112                                         | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                                           | Nos  | 24    |  |  |  |  |
| 113                                         | <b>Paint</b>                                                                                     |      |       |  |  |  |  |
| 114                                         | Black Paint                                                                                      | Ltr  | 1099  |  |  |  |  |
| 115                                         | Yellow Colour Paint for Background                                                               | Ltr  | 2199  |  |  |  |  |
| <b>Total All Inclusive Value ( Rs.) (B)</b> |                                                                                                  |      |       |  |  |  |  |

**Elephant Corridor - PART C: Civil & Services**

| S. No. | Description of Item                                     | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | Concreting of poles in ratio 1:1.5:3 for 9MTR PSC POLE  | Nos | 56.000  |                        |               |                                   |                                          |
| 2      | Concreting of poles in ratio 1:1.5:3 for 10MTR PSC POLE | Nos | 565     |                        |               |                                   |                                          |
| 3      | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE | Nos | 1162    |                        |               |                                   |                                          |
| 4      | Concreting of poles in ratio 1:1.5:3 for 13MTR WPB POLE | Nos | 416     |                        |               |                                   |                                          |
| 5      | Couping of poles in ratio 1:1.5:3 for 9MTR PSC POLE     | Nos | 56.000  |                        |               |                                   |                                          |
| 6      | Couping of poles in ratio 1:1.5:3 for 10MTR PSC POLE    | Nos | 565     |                        |               |                                   |                                          |
| 7      | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE    | Nos | 1162    |                        |               |                                   |                                          |
| 8      | Couping of poles in ratio 1:1.5:3 for 13MTR WPB POLE    | Nos | 416     |                        |               |                                   |                                          |
| 9      | Stay concreting in ratio 1:2:4                          | EA  | 633.72  |                        |               |                                   |                                          |
| 10     | Dismantle of RSJ/WPB pole 11/13 Mtr.                    | EA  | 520.1   |                        |               |                                   |                                          |
| 11     | Dismantle-33KV Disc with Hardware                       | EA  | 1486    |                        |               |                                   |                                          |
| 12     | Dismantle 33KV V cross arm                              | EA  | 520.1   |                        |               |                                   |                                          |
| 13     | Dismantle-Steel Structure                               | KG  | 11145   |                        |               |                                   |                                          |
| 14     | Dismantle-80-100 sqmm AAAC Conductor                    | M   | 229587  |                        |               |                                   |                                          |
| 15     | Dismantle-LT AB Cable with acces                        | M   | 28675.2 |                        |               |                                   |                                          |





**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**BOED**

| S.No. | Description of Item                                                          | UOM  | QTY (A)    | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|------------------------------------------------------------------------------|------|------------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                  |      |            |                        |               |                                   |                                          |
| 2     | 10 mtr long 330 kg PSC pole                                                  | EA   | 1150       |                        |               |                                   |                                          |
| 3     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                | EA   | 425        |                        |               |                                   |                                          |
| 4     | RCC base Plate                                                               | EA   | 1150       |                        |               |                                   |                                          |
| 5     | <b>Conductor,Cable &amp; Accessories</b>                                     |      |            |                        |               |                                   |                                          |
| 6     | AAA conductor,100 mm2                                                        | M    | 120.00     |                        |               |                                   |                                          |
| 7     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                     | M    | 47493.3    |                        |               |                                   |                                          |
| 8     | PG Clamp for 100 mm2 AAAC conductor                                          | EA   | 36         |                        |               |                                   |                                          |
| 9     | IPC for Covered Conductor 11 KV 100 Sqmm                                     | EA   | 277        |                        |               |                                   |                                          |
| 10    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.           | EA   | 462        |                        |               |                                   |                                          |
| 11    | Non metallic Tie for alignment 11kV                                          | EA   | 600        |                        |               |                                   |                                          |
| 12    | <b>RMU</b>                                                                   |      |            |                        |               |                                   |                                          |
| 13    | <b>DANGER Plate</b>                                                          |      |            |                        |               |                                   |                                          |
| 14    | Danger Plate, 11kV                                                           | Nos  | 1575       |                        |               |                                   |                                          |
| 15    | Back Clamp (25X3 mm. flat) for danger Plate                                  | Kg   | 473.73696  |                        |               |                                   |                                          |
| 16    | <b>AB Switch</b>                                                             |      |            |                        |               |                                   |                                          |
| 17    | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                               | Set  | 6          |                        |               |                                   |                                          |
| 18    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                 | Kg   | 344.16     |                        |               |                                   |                                          |
| 19    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.      | Kg   | 40.15      |                        |               |                                   |                                          |
| 20    | <b>V-Cross Arm</b>                                                           |      |            |                        |               |                                   |                                          |
| 21    | 11kV V cross Arm (GI)                                                        | Nos  | 1409       |                        |               |                                   |                                          |
| 22    | GI Back Clamp for 11kV 'V' Cros Arm                                          | Nos  | 1409       |                        |               |                                   |                                          |
| 23    | Top bracket 100X50X5mm GI channel                                            | Nos  | 1455       |                        |               |                                   |                                          |
| 24    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                         |      |            |                        |               |                                   |                                          |
| 25    | Top Channel 100X50X5mm,each channel length 3.25 mtr                          | Kg   | 372.84     |                        |               |                                   |                                          |
| 26    | Top Channel 100X50X5mm, each channel length 2.3 mtr.                         | Kg   | 314.16     |                        |               |                                   |                                          |
| 27    | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.          | Kg   | 1410.59712 |                        |               |                                   |                                          |
| 28    | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.     | Kg   | 359.702266 |                        |               |                                   |                                          |
| 29    | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.       | Kg   | 514.08     |                        |               |                                   |                                          |
| 30    | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.     | Kg   | 34.27      |                        |               |                                   |                                          |
| 31    | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                      | Kg   | 379.30     |                        |               |                                   |                                          |
| 32    | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                   | Kg   | 247.86     |                        |               |                                   |                                          |
| 33    | GI Nut , Bolt & Washer of different sizes                                    | Kg   | 3934.705   |                        |               |                                   |                                          |
| 34    | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                        | Kg   | 314.16     |                        |               |                                   |                                          |
| 35    | <b>GI Barbed Wire</b>                                                        |      |            |                        |               |                                   |                                          |
| 36    | GI barbed wire anticlimbing device                                           | Kg   | 4723.2     |                        |               |                                   |                                          |
| 37    | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                | Kg   | 1894.94784 |                        |               |                                   |                                          |
| 38    | Anticlimbing device Pole Spike                                               | Nos  | 1575       |                        |               |                                   |                                          |
| 39    | <b>Insulator &amp; Hardware Fittings</b>                                     |      |            |                        |               |                                   |                                          |
| 40    | 11kV,5kN pin insulator polymer                                               | Nos  | 4414       |                        |               |                                   |                                          |
| 41    | 11kV H/W fitting(B&S) 70KN,3 Bolt                                            | Set  | 36         |                        |               |                                   |                                          |
| 42    | 11kV Disc insulator (B&S) 70KN polymer                                       | EA   | 439        |                        |               |                                   |                                          |
| 43    | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor | EA   | 277        |                        |               |                                   |                                          |
| 44    | Eye hook                                                                     | Nos  | 20         |                        |               |                                   |                                          |
| 45    | Midspan Joint Kit for 11KV 100 Sqmm Covered conductor                        | EA   | 47         |                        |               |                                   |                                          |
| 46    | <b>GI Wire &amp; Flat</b>                                                    |      |            |                        |               |                                   |                                          |
| 47    | Earthing of Support ( Coil Type )                                            | Nos  | 1575       |                        |               |                                   |                                          |
| 48    | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long    | Nos  | 16         |                        |               |                                   |                                          |
| 49    | No. 10 GI wire cross lacing (0.08Kg/mtr)                                     | Kg   | 8.88       |                        |               |                                   |                                          |
| 50    | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                      | Kg   | 578.8028   |                        |               |                                   |                                          |
| 51    | 50X6 mm GI Flat                                                              | Kg   | 96         |                        |               |                                   |                                          |
| 52    | <b>HT &amp; LT Stay</b>                                                      |      |            |                        |               |                                   |                                          |
| 53    | H.T 33kV Stay set (Complete)                                                 | Set  | 93         |                        |               |                                   |                                          |
| 54    | H.T 11kV Stay set (Complete)                                                 | Set  | 34         |                        |               |                                   |                                          |
| 55    | H.T Stay clamp                                                               | Pair | 127        |                        |               |                                   |                                          |
| 56    | H.T Stay Insulator                                                           | Nos  | 219        |                        |               |                                   |                                          |
| 57    | 7/10 SWG Stay Wire                                                           | Kg   | 340        |                        |               |                                   |                                          |
| 58    | 7/8 SWG Stay Wire                                                            | kg   | 1383.3     |                        |               |                                   |                                          |

| 59                                                                                                                              | <b>Lightning Arrester</b>                                                    |      |         |                        |               |                                   |                                          |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 60                                                                                                                              | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                     | EA   | 18      |                        |               |                                   |                                          |
| 61                                                                                                                              | <b>Paint</b>                                                                 |      |         |                        |               |                                   |                                          |
| 62                                                                                                                              | Black Paint                                                                  | Ltr  | 787.2   |                        |               |                                   |                                          |
| 63                                                                                                                              | Yellow Colour Paint for Background                                           | Ltr  | 1574.4  |                        |               |                                   |                                          |
| 64                                                                                                                              | Supply, Installation & commissioning of Aniders                              | Nos  | 2.00    |                        |               |                                   |                                          |
| <b>Total All Inclusive Value (Rs.) (A)</b>                                                                                      |                                                                              |      |         |                        |               |                                   |                                          |
| <b>Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials</b> |                                                                              |      |         |                        |               |                                   |                                          |
| S. No.                                                                                                                          | Description of Item                                                          | UOM  | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
| 1                                                                                                                               | <b>Pole</b>                                                                  |      |         |                        |               |                                   |                                          |
| 2                                                                                                                               | 10 mtr long 330 kg PSC pole                                                  | EA   | 1150    |                        |               |                                   |                                          |
| 3                                                                                                                               | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                | EA   | 425     |                        |               |                                   |                                          |
| 4                                                                                                                               | RCC base Plate                                                               | EA   | 1150    |                        |               |                                   |                                          |
| 5                                                                                                                               | <b>Conductor,Cable &amp; Accessories</b>                                     |      |         |                        |               |                                   |                                          |
| 6                                                                                                                               | AAA conductor,100 mm2                                                        | M    | 120     |                        |               |                                   |                                          |
| 7                                                                                                                               | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                     | M    | 47493   |                        |               |                                   |                                          |
| 8                                                                                                                               | PG Clamp for 100 mm2 AAAC conductor                                          | EA   | 36      |                        |               |                                   |                                          |
| 9                                                                                                                               | IPC for Covered Conductor 11 KV 100 Sqmm                                     | EA   | 277     |                        |               |                                   |                                          |
| 10                                                                                                                              | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.           | EA   | 462     |                        |               |                                   |                                          |
| 11                                                                                                                              | Non metallic Tie for alignment 11kV                                          | EA   | 600     |                        |               |                                   |                                          |
| 12                                                                                                                              | <b>RMU</b>                                                                   |      |         |                        |               |                                   |                                          |
| 13                                                                                                                              | <b>DANGER Plate</b>                                                          |      |         |                        |               |                                   |                                          |
| 14                                                                                                                              | Danger Plate, 11kV                                                           | Nos  | 1575    |                        |               |                                   |                                          |
| 15                                                                                                                              | Back Clamp (25X3 mm. flat) for danger Plate                                  | Kg   | 474     |                        |               |                                   |                                          |
| 16                                                                                                                              | <b>AB Switch</b>                                                             |      |         |                        |               |                                   |                                          |
| 17                                                                                                                              | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                               | Set  | 6       |                        |               |                                   |                                          |
| 18                                                                                                                              | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                 | Kg   | 344     |                        |               |                                   |                                          |
| 19                                                                                                                              | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.      | Kg   | 40      |                        |               |                                   |                                          |
| 20                                                                                                                              | <b>V-Cross Arm</b>                                                           |      |         |                        |               |                                   |                                          |
| 21                                                                                                                              | 11kV V cross Arm (GI)                                                        | Nos  | 1409    |                        |               |                                   |                                          |
| 22                                                                                                                              | GI Back Clamp for 11kV 'V' Cros Arm                                          | Nos  | 1409    |                        |               |                                   |                                          |
| 23                                                                                                                              | Top bracket 100X50X5mm GI channel                                            | Nos  | 1455    |                        |               |                                   |                                          |
| 24                                                                                                                              | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                         |      |         |                        |               |                                   |                                          |
| 25                                                                                                                              | Top Channel 100X50X5mm,each channel length 3.25 mtr                          | Kg   | 373     |                        |               |                                   |                                          |
| 26                                                                                                                              | Top Channel 100X50X5mm, each channel length 2.3 mtr.                         | Kg   | 314     |                        |               |                                   |                                          |
| 27                                                                                                                              | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.          | Kg   | 1411    |                        |               |                                   |                                          |
| 28                                                                                                                              | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.     | Kg   | 360     |                        |               |                                   |                                          |
| 29                                                                                                                              | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.       | Kg   | 514     |                        |               |                                   |                                          |
| 30                                                                                                                              | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.     | Kg   | 34      |                        |               |                                   |                                          |
| 31                                                                                                                              | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                      | Kg   | 379     |                        |               |                                   |                                          |
| 32                                                                                                                              | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                   | Kg   | 248     |                        |               |                                   |                                          |
| 33                                                                                                                              | GI Nut , Bolt & Washer of different sizes                                    | Kg   | 3935    |                        |               |                                   |                                          |
| 34                                                                                                                              | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                        | Kg   | 314     |                        |               |                                   |                                          |
| 35                                                                                                                              | <b>GI Barbed Wire</b>                                                        |      |         |                        |               |                                   |                                          |
| 36                                                                                                                              | GI barbed wire anticlimbing device                                           | Kg   | 4723    |                        |               |                                   |                                          |
| 37                                                                                                                              | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                | Kg   | 1895    |                        |               |                                   |                                          |
| 38                                                                                                                              | Anticlimbing device Pole Spike                                               | Nos  | 1575    |                        |               |                                   |                                          |
| 39                                                                                                                              | <b>Insulator &amp; Hardware Fittings</b>                                     |      |         |                        |               |                                   |                                          |
| 40                                                                                                                              | 11kV,5kN pin insulator polymer                                               | Nos  | 4414    |                        |               |                                   |                                          |
| 41                                                                                                                              | 11kV H/W fitting(B&S) 70KN,3 Bolt                                            | Set  | 36      |                        |               |                                   |                                          |
| 42                                                                                                                              | 11kV Disc insulator (B&S) 70KN polymer                                       | EA   | 439     |                        |               |                                   |                                          |
| 43                                                                                                                              | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor | EA   | 277     |                        |               |                                   |                                          |
| 44                                                                                                                              | Eye hook                                                                     | Nos  | 20      |                        |               |                                   |                                          |
| 45                                                                                                                              | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                        | EA   | 47      |                        |               |                                   |                                          |
| 46                                                                                                                              | <b>GI Wire &amp; Flat</b>                                                    |      |         |                        |               |                                   |                                          |
| 47                                                                                                                              | Earthing of Support ( Coil Type )                                            | Nos  | 1575    |                        |               |                                   |                                          |
| 48                                                                                                                              | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long    | Nos  | 16      |                        |               |                                   |                                          |
| 49                                                                                                                              | No. 10 GI wire cross lacing (0.08Kg/mtr)                                     | Kg   | 9       |                        |               |                                   |                                          |
| 50                                                                                                                              | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                      | Kg   | 579     |                        |               |                                   |                                          |
| 51                                                                                                                              | 50X6 mm GI Flat                                                              | Kg   | 96      |                        |               |                                   |                                          |
| 52                                                                                                                              | <b>HT &amp; LT Stay</b>                                                      |      |         |                        |               |                                   |                                          |
| 53                                                                                                                              | H.T 33kV Stay set (Complete)                                                 | Set  | 93      |                        |               |                                   |                                          |
| 54                                                                                                                              | H.T 11kV Stay set (Complete)                                                 | Set  | 34      |                        |               |                                   |                                          |
| 55                                                                                                                              | H.T Stay clamp                                                               | Pair | 127     |                        |               |                                   |                                          |
| 56                                                                                                                              | H.T Stay Insulator                                                           | Nos  | 219     |                        |               |                                   |                                          |

| 57                                                         | 7/10 SWG Stay Wire                                                                                                     | Kg  | 340     |                        |               |                                   |                                          |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 58                                                         | 7/8 SWG Stay Wire                                                                                                      | kg  | 1383    |                        |               |                                   |                                          |
| 59                                                         | <b>Lightning Arrester</b>                                                                                              |     |         |                        |               |                                   |                                          |
| 60                                                         | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                                               | EA  | 18      |                        |               |                                   |                                          |
| 61                                                         | <b>Paint</b>                                                                                                           |     |         |                        |               |                                   |                                          |
| 62                                                         | Black Paint                                                                                                            | Ltr | 787     |                        |               |                                   |                                          |
| 63                                                         | Yellow Colour Paint for Background                                                                                     | Ltr | 1574    |                        |               |                                   |                                          |
| <b>Total All Inclusive Value ( Rs.) (B)</b>                |                                                                                                                        |     |         |                        |               |                                   |                                          |
| <b>Elephant Corridor - PART C: Civil &amp; Services</b>    |                                                                                                                        |     |         |                        |               |                                   |                                          |
| S. No.                                                     | Description of Item                                                                                                    | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
| 1                                                          | Concreting of poles in ratio 1:1.5:3 for 10MTR PSC POLE                                                                | Nos | 1150    |                        |               |                                   |                                          |
| 2                                                          | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                | Nos | 425     |                        |               |                                   |                                          |
| 3                                                          | Couping of poles in ratio 1:1.5:3 for 10MTR PSC POLE                                                                   | Nos | 1150    |                        |               |                                   |                                          |
| 4                                                          | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                   | Nos | 425     |                        |               |                                   |                                          |
| 5                                                          | Stay concreting in ratio 1:2:4                                                                                         | EA  | 126.22  |                        |               |                                   |                                          |
| 6                                                          | Dismantle of RSJ/WPB pole 11/13 Mtr.                                                                                   | EA  | 107.59  |                        |               |                                   |                                          |
| 7                                                          | Dismantle-33KV Disc with Hardware                                                                                      | EA  | 307.4   |                        |               |                                   |                                          |
| 8                                                          | Dismantle 33KV V cross arm                                                                                             | EA  | 107.59  |                        |               |                                   |                                          |
| 9                                                          | Dismantle-Steel Structure                                                                                              | KG  | 2306    |                        |               |                                   |                                          |
| 10                                                         | Dismantle-80-100 sqmm AAAC Conductor                                                                                   | M   | 47493.3 |                        |               |                                   |                                          |
| 11                                                         | Material for earthing including masonry work for earth pit, salt, charcoal and RCC Cover                               | EA  | 16      |                        |               |                                   |                                          |
| 12                                                         | Survey of incremental/delta network and assets changes of 11kV network and updaton in GESW databas                     | KM  | 15.37   |                        |               |                                   |                                          |
| 13                                                         | Survey of incremental/delta network and assets changes of 11kV network and updaton in GESW databas (Each Pole)         | Nos | 1267    |                        |               |                                   |                                          |
| 14                                                         | BA will provide necessary Manpower,civil material & Ms Material for construction of Brick boundary wall fencing 3MX3M. | R M | 492     |                        |               |                                   |                                          |
| <b>Total All Inclusive Value ( Rs.) (C)</b>                |                                                                                                                        |     |         |                        |               |                                   |                                          |
| <b>Total All Inclusive Value ( Rs.) (D) = (A)+(B)+ (C)</b> |                                                                                                                        |     |         |                        |               |                                   |                                          |

**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**PED**

| S.No. | Description of Item                                                       | UOM | QTY (A)    | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|---------------------------------------------------------------------------|-----|------------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                               |     |            |                        |               |                                   |                                          |
| 2     | 10 mtr long 330 kg PSC pole                                               | EA  | 2845       |                        |               |                                   |                                          |
| 3     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12             | EA  | 2118       |                        |               |                                   |                                          |
| 4     | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12             | EA  | 528        |                        |               |                                   |                                          |
| 5     | RCC base Plate                                                            | EA  | 2845       |                        |               |                                   |                                          |
| 6     | <b>Conductor,Cable &amp; Accessories</b>                                  |     |            |                        |               |                                   |                                          |
| 7     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                  | M   | 315180     |                        |               |                                   |                                          |
| 8     | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                  | M   | 80340      |                        |               |                                   |                                          |
| 9     | PG Clamp for 100 mm2 AAAC conductor                                       | EA  | 204        |                        |               |                                   |                                          |
| 10    | PG Clamp for 148 mm2 AAAC conductor                                       | Nos | 24         |                        |               |                                   |                                          |
| 11    | IPC for Covered Conductor 11 KV 100 Sqmm                                  | EA  | 1836       |                        |               |                                   |                                          |
| 12    | IPC for Covered Conductor 33 KV 148 Sqmm                                  | EA  | 468        |                        |               |                                   |                                          |
| 13    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.        | EA  | 3060       |                        |               |                                   |                                          |
| 14    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.        | EA  | 780        |                        |               |                                   |                                          |
| 15    | Non metallic Tie for alignment 11kV                                       | EA  | 3978       |                        |               |                                   |                                          |
| 16    | Non metallic Tie for alignment 33kV                                       | EA  | 1560       |                        |               |                                   |                                          |
| 17    | 11kV AL 3CX400 Sqmm XLPE Cable armoured A2XCWY-FRLSH                      | M   | 4080.00    |                        |               |                                   |                                          |
| 18    | 3CX400 mm2 33KV XLPE Cable (Armoured), A2XWY                              | M   | 480        |                        |               |                                   |                                          |
| 19    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(outdoor type) | Nos | 68         |                        |               |                                   |                                          |
| 20    | Heat shrinkable jointing kit for 3Cx400 mm² 33KV XLPE Cable(outdoor type) | Nos | 8          |                        |               |                                   |                                          |
| 21    | High Density Polyethelene (HDPE) pipe 200mm diameter, PE 80-PN8           | M   | 4080       |                        |               |                                   |                                          |
| 22    | High Density Polyethelene (HDPE) pipe 160mm diameter, PE 80-PN8           | M   | 480        |                        |               |                                   |                                          |
| 23    | Clamp for pipe (for 160 & 200mm dia)                                      | Nos | 152        |                        |               |                                   |                                          |
| 24    | <b>RMU</b>                                                                |     |            |                        |               |                                   |                                          |
| 25    | <b>DANGER Plate</b>                                                       |     |            |                        |               |                                   |                                          |
| 26    | Danger Plate, 33kV                                                        | Nos | 568        |                        |               |                                   |                                          |
| 27    | Danger Plate, 11kV                                                        | Nos | 4855       |                        |               |                                   |                                          |
| 28    | Back Clamp (25X3 mm. flat) for danger Plate                               | Kg  | 1652.2419  |                        |               |                                   |                                          |
| 29    | <b>AB Switch</b>                                                          |     |            |                        |               |                                   |                                          |
| 30    | <b>V-Cross Arm</b>                                                        |     |            |                        |               |                                   |                                          |
| 31    | 11kV V cross Arm (GI)                                                     | Nos | 3835       |                        |               |                                   |                                          |
| 32    | GI Back Clamp for 11kV 'V' Cros Arm                                       | Nos | 3835       |                        |               |                                   |                                          |
| 33    | Top bracket 100X50X5mm GI channel                                         | Nos | 4701       |                        |               |                                   |                                          |
| 34    | 33kV V cross Arm (GI)                                                     | Nos | 482        |                        |               |                                   |                                          |
| 35    | GI Back Clamp for 33kV 'V' Cros Arm                                       | Nos | 482        |                        |               |                                   |                                          |
| 36    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                      |     |            |                        |               |                                   |                                          |
| 37    | Top Channel 100X50X5mm, each channel length 4.3 mtr.                      | Kg  | 175.904    |                        |               |                                   |                                          |
| 38    | Top Channel 100X50X5mm, each channel length 2.3 mtr.                      | Kg  | 1809.344   |                        |               |                                   |                                          |
| 39    | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.       | Kg  | 9361.152   |                        |               |                                   |                                          |
| 40    | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.       | Kg  | 3380.416   |                        |               |                                   |                                          |
| 41    | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.  | Kg  | 2995.56864 |                        |               |                                   |                                          |
| 42    | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr     | Kg  | 571.2      |                        |               |                                   |                                          |
| 43    | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.      | Kg  | 4855.2     |                        |               |                                   |                                          |
| 44    | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.     | Kg  | 384.624    |                        |               |                                   |                                          |
| 45    | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                   | Kg  | 3269.304   |                        |               |                                   |                                          |
| 46    | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                | Kg  | 2001.06    |                        |               |                                   |                                          |
| 47    | GI Nut , Bolt & Washer of different sizes                                 | Kg  | 17200.38   |                        |               |                                   |                                          |
| 48    | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                     | Kg  | 314.16     |                        |               |                                   |                                          |
| 49    | <b>GI Barbed Wire</b>                                                     |     |            |                        |               |                                   |                                          |
| 50    | GI barbed wire anticlimbing device                                        | Kg  | 16473      |                        |               |                                   |                                          |
| 51    | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device             | Kg  | 6608.9676  |                        |               |                                   |                                          |
| 52    | Anticlimbing device Pole Spike                                            | Nos | 5491       |                        |               |                                   |                                          |
| 53    | <b>Insulator &amp; Hardware Fittings</b>                                  |     |            |                        |               |                                   |                                          |
| 54    | 33kV, 10kN pin insulator polymer                                          | Nos | 1744       |                        |               |                                   |                                          |
| 55    | 11kV, 5kN pin insulator polymer                                           | Nos | 12729      |                        |               |                                   |                                          |
| 56    | 33kV H/W fitting(B&S) 120KN,4 Bolt                                        | Set | 24         |                        |               |                                   |                                          |
| 57    | 11kV H/W fitting(B&S) 70KN,3 Bolt                                         | Set | 204        |                        |               |                                   |                                          |
| 58    | 33kV Disc insulator (B&S) 120KN polymer                                   | Nos | 492        |                        |               |                                   |                                          |

|    |                                                                              |      |          |  |  |  |  |
|----|------------------------------------------------------------------------------|------|----------|--|--|--|--|
| 59 | 11kV Disc insulator (B&S) 70KN polymer                                       | EA   | 2040     |  |  |  |  |
| 60 | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor | EA   | 1836     |  |  |  |  |
| 61 | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor | EA   | 468      |  |  |  |  |
| 62 | Eye hook                                                                     | Nos  | 20       |  |  |  |  |
| 63 | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                        | EA   | 306      |  |  |  |  |
| 64 | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                        | EA   | 78       |  |  |  |  |
| 65 | <b>GI Wire &amp; Flat</b>                                                    |      |          |  |  |  |  |
| 66 | Earthing of Support ( Coil Type )                                            | Nos  | 5491     |  |  |  |  |
| 67 | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long    | Nos  | 238      |  |  |  |  |
| 68 | No. 10 GI wire cross lacing (0.08Kg/mtr)                                     | Kg   | 8.88     |  |  |  |  |
| 69 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                      | Kg   | 1604.952 |  |  |  |  |
| 70 | 25X6 mm GI Flat                                                              | Kg   | 1520     |  |  |  |  |
| 71 | 50X6 mm GI Flat                                                              | Kg   | 288      |  |  |  |  |
| 72 | <b>HT &amp; LT Stay</b>                                                      |      |          |  |  |  |  |
| 73 | H.T 33kV Stay set (Complete)                                                 | Set  | 920      |  |  |  |  |
| 74 | H.T 11kV Stay set (Complete)                                                 | Set  | 10       |  |  |  |  |
| 75 | H.T Stay clamp                                                               | Pair | 930      |  |  |  |  |
| 76 | H.T Stay Insulator                                                           | Nos  | 1698     |  |  |  |  |
| 77 | 7/10 SWG Stay Wire                                                           | Kg   | 1460     |  |  |  |  |
| 78 | 7/8 SWG Stay Wire                                                            | kg   | 11680    |  |  |  |  |
| 79 | <b>Lightning Arrester</b>                                                    |      |          |  |  |  |  |
| 80 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                     | Nos  | 102      |  |  |  |  |
| 81 | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                       | Nos  | 12       |  |  |  |  |
| 82 | <b>Paint</b>                                                                 |      |          |  |  |  |  |
| 83 | Black Paint                                                                  | Ltr  | 2745.5   |  |  |  |  |
| 84 | Yellow Colour Paint for Background                                           | Ltr  | 5491     |  |  |  |  |
| 85 | Supply, Installation & commissioning of Aniders                              | Nos  | 2.00     |  |  |  |  |

**Total All Inclusive Value (Rs.) (A)**

**Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials**

| S. No. | Description of Item                                                 | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | <b>Pole</b>                                                         |     |         |                        |               |                                   |                                          |
| 2      | 10 mtr long 330 kg PSC pole                                         | EA  | 2845    |                        |               |                                   |                                          |
| 3      | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12       | EA  | 2118    |                        |               |                                   |                                          |
| 4      | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12       | EA  | 528     |                        |               |                                   |                                          |
| 5      | RCC base Plate                                                      | EA  | 2845    |                        |               |                                   |                                          |
| 6      | <b>Conductor,Cable &amp; Accessories</b>                            |     |         |                        |               |                                   |                                          |
| 7      | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                            | M   | 315180  |                        |               |                                   |                                          |
| 8      | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                            | M   | 80340   |                        |               |                                   |                                          |
| 9      | PG Clamp for 100 mm2 AAAC conductor                                 | EA  | 204     |                        |               |                                   |                                          |
| 10     | PG Clamp for 148 mm2 AAAC conductor                                 | Nos | 24      |                        |               |                                   |                                          |
| 11     | IPC for Covered Conductor 11 KV 100 Sqmm                            | EA  | 1836    |                        |               |                                   |                                          |
| 12     | IPC for Covered Conductor 33 KV 148 Sqmm                            | EA  | 468     |                        |               |                                   |                                          |
| 13     | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.  | EA  | 3060    |                        |               |                                   |                                          |
| 14     | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.  | EA  | 780     |                        |               |                                   |                                          |
| 15     | Non metallic Tie for alignment 11kV                                 | EA  | 3978    |                        |               |                                   |                                          |
| 16     | Non metallic Tie for alignment 33kV                                 | EA  | 1560    |                        |               |                                   |                                          |
| 17     | Clamp for pipe (for 160 & 200mm dia)                                | Nos | 152     |                        |               |                                   |                                          |
| 18     | <b>RMU</b>                                                          |     |         |                        |               |                                   |                                          |
| 19     | <b>DANGER Plate</b>                                                 |     |         |                        |               |                                   |                                          |
| 20     | Danger Plate, 33kV                                                  | Nos | 568     |                        |               |                                   |                                          |
| 21     | Danger Plate, 11kV                                                  | Nos | 4855    |                        |               |                                   |                                          |
| 22     | Back Clamp (25X3 mm. flat) for danger Plate                         | Kg  | 1652    |                        |               |                                   |                                          |
| 23     | <b>AB Switch</b>                                                    |     |         |                        |               |                                   |                                          |
| 24     | <b>V-Cross Arm</b>                                                  |     |         |                        |               |                                   |                                          |
| 25     | 11kV V cross Arm (GI)                                               | Nos | 3835    |                        |               |                                   |                                          |
| 26     | GI Back Clamp for 11kV 'V' Cros Arm                                 | Nos | 3835    |                        |               |                                   |                                          |
| 27     | Top bracket 100X50X5mm GI channel                                   | Nos | 4701    |                        |               |                                   |                                          |
| 28     | 33kV V cross Arm (GI)                                               | Nos | 482     |                        |               |                                   |                                          |
| 29     | GI Back Clamp for 33kV 'V' Cros Arm                                 | Nos | 482     |                        |               |                                   |                                          |
| 30     | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                |     |         |                        |               |                                   |                                          |
| 31     | Top Channel 100X50X5mm, each channel length 4.3 mtr.                | Kg  | 176     |                        |               |                                   |                                          |
| 32     | Top Channel 100X50X5mm, each channel length 2.3 mtr.                | Kg  | 1809    |                        |               |                                   |                                          |
| 33     | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr. | Kg  | 9361    |                        |               |                                   |                                          |
| 34     | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr. | Kg  | 3380    |                        |               |                                   |                                          |

|    |                                                                              |      |       |  |  |  |  |
|----|------------------------------------------------------------------------------|------|-------|--|--|--|--|
| 35 | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.     | Kg   | 2996  |  |  |  |  |
| 36 | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr        | Kg   | 571   |  |  |  |  |
| 37 | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.         | Kg   | 4855  |  |  |  |  |
| 38 | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.        | Kg   | 385   |  |  |  |  |
| 39 | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                      | Kg   | 3269  |  |  |  |  |
| 40 | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                   | Kg   | 2001  |  |  |  |  |
| 41 | GI Nut , Bolt & Washer of different sizes                                    | Kg   | 17200 |  |  |  |  |
| 42 | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                        | Kg   | 314   |  |  |  |  |
| 43 | <b>GI Barbed Wire</b>                                                        |      |       |  |  |  |  |
| 44 | GI barbed wire anticlimbing device                                           | Kg   | 16473 |  |  |  |  |
| 45 | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                | Kg   | 6609  |  |  |  |  |
| 46 | Anticlimbing device Pole Spike                                               | Nos  | 5491  |  |  |  |  |
| 47 | <b>Insulator &amp; Hardware Fittings</b>                                     |      |       |  |  |  |  |
| 48 | 33kV,10kN pin insulator polymer                                              | Nos  | 1744  |  |  |  |  |
| 49 | 11kV,5kN pin insulator polymer                                               | Nos  | 12729 |  |  |  |  |
| 50 | 33kV H/W fitting(B&S) 120KN,4 Bolt                                           | Set  | 24    |  |  |  |  |
| 51 | 11kV H/W fitting(B&S) 70KN,3 Bolt                                            | Set  | 204   |  |  |  |  |
| 52 | 33kV Disc insulator (B&S) 120KN polymer                                      | Nos  | 492   |  |  |  |  |
| 53 | 11kV Disc insulator (B&S) 70KN polymer                                       | EA   | 2040  |  |  |  |  |
| 54 | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor | EA   | 1836  |  |  |  |  |
| 55 | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor | EA   | 468   |  |  |  |  |
| 56 | Eye hook                                                                     | Nos  | 20    |  |  |  |  |
| 57 | Midspace Joint Kit for 11kV 100 Sqmm Covered conductor                       | EA   | 306   |  |  |  |  |
| 58 | Midspace Joint Kit for 33kV 148 Sqmm Covered conductor                       | EA   | 78    |  |  |  |  |
| 59 | <b>GI Wire &amp; Flat</b>                                                    |      |       |  |  |  |  |
| 60 | Earthing of Support ( Coil Type )                                            | Nos  | 5491  |  |  |  |  |
| 61 | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long    | Nos  | 238   |  |  |  |  |
| 62 | No. 10 GI wire cross lacing (0.08Kg/mtr)                                     | Kg   | 9     |  |  |  |  |
| 63 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                      | Kg   | 1605  |  |  |  |  |
| 64 | 25X6 mm GI Flat                                                              | Kg   | 1520  |  |  |  |  |
| 65 | 50X6 mm GI Flat                                                              | Kg   | 288   |  |  |  |  |
| 66 | <b>HT &amp; LT Stay</b>                                                      |      |       |  |  |  |  |
| 67 | H.T 33kV Stay set (Complete)                                                 | Set  | 920   |  |  |  |  |
| 68 | H.T 11kV Stay set (Complete)                                                 | Set  | 10    |  |  |  |  |
| 69 | H.T Stay clamp                                                               | Pair | 930   |  |  |  |  |
| 70 | H.T Stay Insulator                                                           | Nos  | 1698  |  |  |  |  |
| 71 | 7/10 SWG Stay Wire                                                           | Kg   | 1460  |  |  |  |  |
| 72 | 7/8 SWG Stay Wire                                                            | kg   | 11680 |  |  |  |  |
| 73 | <b>Lightning Arrester</b>                                                    |      |       |  |  |  |  |
| 74 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                     | Nos  | 102   |  |  |  |  |
| 75 | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                       | Nos  | 12    |  |  |  |  |
| 76 | <b>Paint</b>                                                                 |      |       |  |  |  |  |
| 77 | Black Paint                                                                  | Ltr  | 2746  |  |  |  |  |
| 78 | Yellow Colour Paint for Background                                           | Ltr  | 5491  |  |  |  |  |

**Total All Inclusive Value ( Rs.) (B)**

**Elephant Corridor - PART C: Civil & Services**

| S. No. | Description of Item                                                                                                                                                                                                                                                                               | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | Concreting of poles in ratio 1:1.5:3 for 10MTR PSC POLE                                                                                                                                                                                                                                           | Nos | 2845    |                        |               |                                   |                                          |
| 2      | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                                                                                                                                                                                           | Nos | 2118    |                        |               |                                   |                                          |
| 3      | Concreting of poles in ratio 1:1.5:3 for 13MTR WPB POLE                                                                                                                                                                                                                                           | Nos | 528     |                        |               |                                   |                                          |
| 4      | Couping of poles in ratio 1:1.5:3 for 10MTR PSC POLE                                                                                                                                                                                                                                              | Nos | 2845    |                        |               |                                   |                                          |
| 5      | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                                                                                                                                                                                              | Nos | 2118    |                        |               |                                   |                                          |
| 6      | Couping of poles in ratio 1:1.5:3 for 13MTR WPB POLE                                                                                                                                                                                                                                              | Nos | 528     |                        |               |                                   |                                          |
| 7      | Stay concreting in ratio 1:2:4                                                                                                                                                                                                                                                                    | EA  | 930     |                        |               |                                   |                                          |
| 8      | Dismantle of RSJ/WPB pole 11/13 Mtr.                                                                                                                                                                                                                                                              | EA  | 896     |                        |               |                                   |                                          |
| 9      | Dismantle-33KV Disc with Hardware                                                                                                                                                                                                                                                                 | EA  | 2560    |                        |               |                                   |                                          |
| 10     | Dismantle 33KV V cross arm                                                                                                                                                                                                                                                                        | EA  | 896     |                        |               |                                   |                                          |
| 11     | Dismantle-Steel Structure                                                                                                                                                                                                                                                                         | KG  | 19200   |                        |               |                                   |                                          |
| 12     | Dismantle-80-100 sqmm AAC Conductor                                                                                                                                                                                                                                                               | M   | 395520  |                        |               |                                   |                                          |
| 13     | Sundries (LDPE Tape, etc)                                                                                                                                                                                                                                                                         | EA  | 19      |                        |               |                                   |                                          |
| 14     | Making Trenchless ducts upto 200 mm dia through Single Pipe by HDD method using HDD machine.Scope of work includes pulling of any grade of HDPE Pipe,Jointing of the pipes ,cable laying through HDPE Pipe and disposal of debris . Cable and HDPE pipe shall be free issued from DISCOM's store. | M   | 3800    |                        |               |                                   |                                          |





**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**RED**

| S.No. | Description of Item                                                            | UOM | QTY (A)   | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|--------------------------------------------------------------------------------|-----|-----------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                    |     |           |                        |               |                                   |                                          |
| 2     | 9 mtr long 300 kg PSC pole                                                     | EA  | 28        |                        |               |                                   |                                          |
| 3     | 10 mtr long 330 kg PSC pole                                                    | EA  | 256       |                        |               |                                   |                                          |
| 4     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 366       |                        |               |                                   |                                          |
| 5     | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                  | EA  | 270       |                        |               |                                   |                                          |
| 6     | RCC base Plate                                                                 | EA  | 284       |                        |               |                                   |                                          |
| 7     | <b>Conductor,Cable &amp; Accessories</b>                                       |     |           |                        |               |                                   |                                          |
| 8     | AAA conductor,100 mm2                                                          | M   | 560.00    |                        |               |                                   |                                          |
| 9     | AAA conductor,148 mm2                                                          | M   | 63        |                        |               |                                   |                                          |
| 10    | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 46350     |                        |               |                                   |                                          |
| 11    | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                       | M   | 40170     |                        |               |                                   |                                          |
| 12    | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 168       |                        |               |                                   |                                          |
| 13    | PG Clamp for 148 mm2 AAAC conductor                                            | Nos | 30        |                        |               |                                   |                                          |
| 14    | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 270       |                        |               |                                   |                                          |
| 15    | IPC for Covered Conductor 33 KV 148 Sqmm                                       | EA  | 234       |                        |               |                                   |                                          |
| 16    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 450       |                        |               |                                   |                                          |
| 17    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.             | EA  | 390       |                        |               |                                   |                                          |
| 18    | Non metallic Tie for alignment 11kv                                            | EA  | 585       |                        |               |                                   |                                          |
| 19    | Non metallic Tie for alignment 33kv                                            | EA  | 780       |                        |               |                                   |                                          |
| 20    | 3CX400 mm2 33KV XLPE Cable (Armoured), A2XWY                                   | M   | 240       |                        |               |                                   |                                          |
| 21    | Heat shrinkable jointing kit for 3Cx400 mm² 33KV XLPE Cable(outdoor type)      | Nos | 4         |                        |               |                                   |                                          |
| 22    | High Density Polyethylene (HDPE) pipe 160mm diameter, PE 80-PN8                | M   | 240       |                        |               |                                   |                                          |
| 23    | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 8         |                        |               |                                   |                                          |
| 24    | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 123       |                        |               |                                   |                                          |
| 25    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 3.502     |                        |               |                                   |                                          |
| 26    | 1.1kv Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 123       |                        |               |                                   |                                          |
| 27    | Gland for 1.1kv Al 4CX25 Sq.mm                                                 | EA  | 14        |                        |               |                                   |                                          |
| 28    | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 55        |                        |               |                                   |                                          |
| 29    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 680       |                        |               |                                   |                                          |
| 30    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 340       |                        |               |                                   |                                          |
| 31    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 340       |                        |               |                                   |                                          |
| 32    | Cap cable end for ABC 35SQMM                                                   | EA  | 41        |                        |               |                                   |                                          |
| 33    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 75        |                        |               |                                   |                                          |
| 34    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 123       |                        |               |                                   |                                          |
| 35    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 123       |                        |               |                                   |                                          |
| 36    | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 6.8       |                        |               |                                   |                                          |
| 37    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 7         |                        |               |                                   |                                          |
| 38    | <b>RMU</b>                                                                     |     |           |                        |               |                                   |                                          |
| 39    | <b>DANGER Plate</b>                                                            |     |           |                        |               |                                   |                                          |
| 40    | Danger Plate, 33kv                                                             | Nos | 300       |                        |               |                                   |                                          |
| 41    | Danger Plate, 11kv                                                             | Nos | 592       |                        |               |                                   |                                          |
| 42    | BOARD DANGER 400/440 VOLT                                                      | Nos | 27        |                        |               |                                   |                                          |
| 43    | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 276.58728 |                        |               |                                   |                                          |
| 44    | <b>AB Switch</b>                                                               |     |           |                        |               |                                   |                                          |
| 45    | 11kv AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 28        |                        |               |                                   |                                          |
| 46    | 33kv AB Switch 400A 3Pole 50Hz Horizontal Type                                 | Set | 3         |                        |               |                                   |                                          |
| 47    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 1606.08   |                        |               |                                   |                                          |
| 48    | AB Switch mounting Channel 100X50X5mm GI channel 3.5mtr long                   | Kg  | 200.76    |                        |               |                                   |                                          |
| 49    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 207.45    |                        |               |                                   |                                          |
| 50    | <b>V-Cross Arm</b>                                                             |     |           |                        |               |                                   |                                          |
| 51    | 11kv V cross Arm (GI)                                                          | Nos | 386       |                        |               |                                   |                                          |
| 52    | GI Back Clamp for 11kv 'V' Cros Arm                                            | Nos | 386       |                        |               |                                   |                                          |
| 53    | Top bracket 100X50X5mm GI channel                                              | Nos | 721       |                        |               |                                   |                                          |
| 54    | 33kv V cross Arm (GI)                                                          | Nos | 251       |                        |               |                                   |                                          |
| 55    | GI Back Clamp for 33kv 'V' Cros Arm                                            | Nos | 251       |                        |               |                                   |                                          |
| 56    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |           |                        |               |                                   |                                          |
| 57    | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 1739.92   |                        |               |                                   |                                          |

|                                            |                                                                                                  |      |            |  |  |  |  |
|--------------------------------------------|--------------------------------------------------------------------------------------------------|------|------------|--|--|--|--|
| 58                                         | Top Channel 100X50X5mm, each channel length 4.3 mtr.                                             | Kg   | 334.6      |  |  |  |  |
| 59                                         | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                             | Kg   | 314.16     |  |  |  |  |
| 60                                         | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                              | Kg   | 1376.64    |  |  |  |  |
| 61                                         | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.                              | Kg   | 1690.208   |  |  |  |  |
| 62                                         | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                         | Kg   | 655.28064  |  |  |  |  |
| 63                                         | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.                           | Kg   | 2399.04    |  |  |  |  |
| 64                                         | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr                            | Kg   | 654.024    |  |  |  |  |
| 65                                         | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 177.07     |  |  |  |  |
| 66                                         | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.                            | Kg   | 458.37     |  |  |  |  |
| 67                                         | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 1770.05    |  |  |  |  |
| 68                                         | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 567.96     |  |  |  |  |
| 69                                         | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 6208.154   |  |  |  |  |
| 70                                         | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314.16     |  |  |  |  |
| 71                                         | <b>GI Barbed Wire</b>                                                                            |      |            |  |  |  |  |
| 72                                         | GI barbed wire anticlimbing device                                                               | Kg   | 2757.6     |  |  |  |  |
| 73                                         | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 1106.34912 |  |  |  |  |
| 74                                         | Anticlimbing device Pole Spike                                                                   | Nos  | 920        |  |  |  |  |
| 75                                         | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |            |  |  |  |  |
| 76                                         | 33kV,10kN pin insulator polymer                                                                  | Nos  | 911        |  |  |  |  |
| 77                                         | 11kV,5kN pin insulator polymer                                                                   | Nos  | 1407       |  |  |  |  |
| 78                                         | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                               | Set  | 30         |  |  |  |  |
| 79                                         | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 168        |  |  |  |  |
| 80                                         | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 264        |  |  |  |  |
| 81                                         | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 438        |  |  |  |  |
| 82                                         | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 270        |  |  |  |  |
| 83                                         | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 234        |  |  |  |  |
| 84                                         | Eye hook                                                                                         | Nos  | 27         |  |  |  |  |
| 85                                         | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 45         |  |  |  |  |
| 86                                         | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 39         |  |  |  |  |
| 87                                         | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 62         |  |  |  |  |
| 88                                         | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 28         |  |  |  |  |
| 89                                         | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 21         |  |  |  |  |
| 90                                         | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 7          |  |  |  |  |
| 91                                         | <b>GI Wire &amp; Flat</b>                                                                        |      |            |  |  |  |  |
| 92                                         | Earthing of Support ( Coil Type )                                                                | Nos  | 920        |  |  |  |  |
| 93                                         | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 53         |  |  |  |  |
| 94                                         | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 8.88       |  |  |  |  |
| 95                                         | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 407.1404   |  |  |  |  |
| 96                                         | 25X6 mm GI Flat                                                                                  | Kg   | 80         |  |  |  |  |
| 97                                         | 50X6 mm GI Flat                                                                                  | Kg   | 258        |  |  |  |  |
| 98                                         | <b>HT &amp; LT Stay</b>                                                                          |      |            |  |  |  |  |
| 99                                         | H.T 33kV Stay set (Complete)                                                                     | Set  | 188        |  |  |  |  |
| 100                                        | H.T 11kV Stay set (Complete)                                                                     | Set  | 122        |  |  |  |  |
| 101                                        | H.T Stay clamp                                                                                   | Pair | 310        |  |  |  |  |
| 102                                        | H.T Stay Insulator                                                                               | Nos  | 490        |  |  |  |  |
| 103                                        | LT Stay Set (Complete)                                                                           | Set  | 7          |  |  |  |  |
| 104                                        | LT Stay Insulator                                                                                | EA   | 7          |  |  |  |  |
| 105                                        | LT Stay clamp                                                                                    | Pair | 7          |  |  |  |  |
| 106                                        | 7/12 SWG Stay Wire                                                                               | Kg   | 54.4       |  |  |  |  |
| 107                                        | 7/10 SWG Stay Wire                                                                               | Kg   | 1220       |  |  |  |  |
| 108                                        | 7/8 SWG Stay Wire                                                                                | kg   | 2780       |  |  |  |  |
| 109                                        | <b>Lightning Arrester</b>                                                                        |      |            |  |  |  |  |
| 110                                        | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 84         |  |  |  |  |
| 111                                        | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                                           | Nos  | 15         |  |  |  |  |
| 112                                        | <b>Paint</b>                                                                                     |      |            |  |  |  |  |
| 113                                        | Black Paint                                                                                      | Ltr  | 459.6      |  |  |  |  |
| 114                                        | Yellow Colour Paint for Background                                                               | Ltr  | 919.2      |  |  |  |  |
| 115                                        | Supply, Installation & commissioning of Aniders                                                  | Nos  | 2.00       |  |  |  |  |
| <b>Total All Inclusive Value (Rs.) (A)</b> |                                                                                                  |      |            |  |  |  |  |

**Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials**

| S. No. | Description of Item                                           | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | <b>Pole</b>                                                   |     |         |                        |               |                                   |                                          |
| 2      | 9 mtr long 300 kg PSC pole                                    | EA  | 28      |                        |               |                                   |                                          |
| 3      | 10 mtr long 330 kg PSC pole                                   | EA  | 256     |                        |               |                                   |                                          |
| 4      | WPB 160x152 (30.44Kg/Mtr.),11 mtr- with base plate 300x300x12 | EA  | 366     |                        |               |                                   |                                          |

|    |                                                                                |     |       |  |  |  |  |
|----|--------------------------------------------------------------------------------|-----|-------|--|--|--|--|
| 5  | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                  | EA  | 270   |  |  |  |  |
| 6  | RCC base Plate                                                                 | EA  | 284   |  |  |  |  |
| 7  | <b>Conductor,Cable &amp; Accessories</b>                                       |     |       |  |  |  |  |
| 8  | AAA conductor,100 mm2                                                          | M   | 560   |  |  |  |  |
| 9  | AAA conductor,148 mm2                                                          | M   | 63    |  |  |  |  |
| 10 | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 46350 |  |  |  |  |
| 11 | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                       | M   | 40170 |  |  |  |  |
| 12 | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 168   |  |  |  |  |
| 13 | PG Clamp for 148 mm2 AAAC conductor                                            | Nos | 30    |  |  |  |  |
| 14 | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 270   |  |  |  |  |
| 15 | IPC for Covered Conductor 33 KV 148 Sqmm                                       | EA  | 234   |  |  |  |  |
| 16 | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 450   |  |  |  |  |
| 17 | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.             | EA  | 390   |  |  |  |  |
| 18 | Non metallic Tie for alignment 11kV                                            | EA  | 585   |  |  |  |  |
| 19 | Non metallic Tie for alignment 33kV                                            | EA  | 780   |  |  |  |  |
| 20 | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 8     |  |  |  |  |
| 21 | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 123   |  |  |  |  |
| 22 | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 4     |  |  |  |  |
| 23 | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 123   |  |  |  |  |
| 24 | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 14    |  |  |  |  |
| 25 | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 55    |  |  |  |  |
| 26 | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 680   |  |  |  |  |
| 27 | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 340   |  |  |  |  |
| 28 | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 340   |  |  |  |  |
| 29 | Cap cable end for ABC 35SQMM                                                   | EA  | 41    |  |  |  |  |
| 30 | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 75    |  |  |  |  |
| 31 | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 123   |  |  |  |  |
| 32 | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 123   |  |  |  |  |
| 33 | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 7     |  |  |  |  |
| 34 | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 7     |  |  |  |  |
| 35 | <b>RMU</b>                                                                     |     |       |  |  |  |  |
| 36 | <b>DANGER Plate</b>                                                            |     |       |  |  |  |  |
| 37 | Danger Plate, 33kV                                                             | Nos | 300   |  |  |  |  |
| 38 | Danger Plate, 11kV                                                             | Nos | 592   |  |  |  |  |
| 39 | BOARD DANGER 400/440 VOLT                                                      | Nos | 27    |  |  |  |  |
| 40 | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 277   |  |  |  |  |
| 41 | <b>AB Switch</b>                                                               |     |       |  |  |  |  |
| 42 | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 28    |  |  |  |  |
| 43 | 33kV AB Switch 400A 3Pole 50Hz Horizontal Type                                 | Set | 3     |  |  |  |  |
| 44 | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 1606  |  |  |  |  |
| 45 | AB Switch mounting Channel 100X50X5mm GI channel 3.5mtr long                   | Kg  | 201   |  |  |  |  |
| 46 | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 207   |  |  |  |  |
| 47 | <b>V-Cross Arm</b>                                                             |     |       |  |  |  |  |
| 48 | 11kV V cross Arm (GI)                                                          | Nos | 386   |  |  |  |  |
| 49 | GI Back Clamp for 11kV 'V' Cros Arm                                            | Nos | 386   |  |  |  |  |
| 50 | Top bracket 100X50X5mm GI channel                                              | Nos | 721   |  |  |  |  |
| 51 | 33kV V cross Arm (GI)                                                          | Nos | 251   |  |  |  |  |
| 52 | GI Back Clamp for 33kV 'V' Cros Arm                                            | Nos | 251   |  |  |  |  |
| 53 | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |       |  |  |  |  |
| 54 | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 1740  |  |  |  |  |
| 55 | Top Channel 100X50X5mm, each channel length 4.3 mtr.                           | Kg  | 335   |  |  |  |  |
| 56 | Top Channel 100X50X5mm, each channel length 2.3 mtr.                           | Kg  | 314   |  |  |  |  |
| 57 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.            | Kg  | 1377  |  |  |  |  |
| 58 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.            | Kg  | 1690  |  |  |  |  |
| 59 | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.       | Kg  | 655   |  |  |  |  |
| 60 | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.         | Kg  | 2399  |  |  |  |  |
| 61 | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr          | Kg  | 654   |  |  |  |  |
| 62 | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.       | Kg  | 177   |  |  |  |  |
| 63 | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.          | Kg  | 458   |  |  |  |  |
| 64 | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                        | Kg  | 1770  |  |  |  |  |
| 65 | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                     | Kg  | 568   |  |  |  |  |
| 66 | GI Nut , Bolt & Washer of different sizes                                      | Kg  | 6208  |  |  |  |  |
| 67 | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                          | Kg  | 314   |  |  |  |  |
| 68 | <b>GI Barbed Wire</b>                                                          |     |       |  |  |  |  |
| 69 | GI barbed wire anticlimbing device                                             | Kg  | 2758  |  |  |  |  |
| 70 | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                  | Kg  | 1106  |  |  |  |  |
| 71 | Anticlimbing device Pole Spike                                                 | Nos | 920   |  |  |  |  |
| 72 | <b>Insulator &amp; Hardware Fittings</b>                                       |     |       |  |  |  |  |

|     |                                                                                                  |      |      |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------|------|------|--|--|--|--|
| 73  | 33kV, 10kN pin insulator polymer                                                                 | Nos  | 911  |  |  |  |  |
| 74  | 11kV, 5kN pin insulator polymer                                                                  | Nos  | 1407 |  |  |  |  |
| 75  | 33kV H/W fitting(B&S) 120KN, 4 Bolt                                                              | Set  | 30   |  |  |  |  |
| 76  | 11kV H/W fitting(B&S) 70KN, 3 Bolt                                                               | Set  | 168  |  |  |  |  |
| 77  | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 264  |  |  |  |  |
| 78  | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 438  |  |  |  |  |
| 79  | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 270  |  |  |  |  |
| 80  | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 234  |  |  |  |  |
| 81  | Eye hook                                                                                         | Nos  | 27   |  |  |  |  |
| 82  | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 45   |  |  |  |  |
| 83  | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 39   |  |  |  |  |
| 84  | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 62   |  |  |  |  |
| 85  | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 28   |  |  |  |  |
| 86  | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 21   |  |  |  |  |
| 87  | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 7    |  |  |  |  |
| 88  | <b>GI Wire &amp; Flat</b>                                                                        |      |      |  |  |  |  |
| 89  | Earthing of Support ( Coil Type )                                                                | Nos  | 920  |  |  |  |  |
| 90  | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 53   |  |  |  |  |
| 91  | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 9    |  |  |  |  |
| 92  | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 407  |  |  |  |  |
| 93  | 25X6 mm GI Flat                                                                                  | Kg   | 80   |  |  |  |  |
| 94  | 50X6 mm GI Flat                                                                                  | Kg   | 258  |  |  |  |  |
| 95  | <b>HT &amp; LT Stay</b>                                                                          |      |      |  |  |  |  |
| 96  | H.T 33kV Stay set (Complete)                                                                     | Set  | 188  |  |  |  |  |
| 97  | H.T 11kV Stay set (Complete)                                                                     | Set  | 122  |  |  |  |  |
| 98  | H.T Stay clamp                                                                                   | Pair | 310  |  |  |  |  |
| 99  | H.T Stay Insulator                                                                               | Nos  | 490  |  |  |  |  |
| 100 | LT Stay Set (Complete)                                                                           | Set  | 7    |  |  |  |  |
| 101 | LT Stay Insulator                                                                                | EA   | 7    |  |  |  |  |
| 102 | LT Stay clamp                                                                                    | Pair | 7    |  |  |  |  |
| 103 | 7/12 SWG Stay Wire                                                                               | Kg   | 54   |  |  |  |  |
| 104 | 7/10 SWG Stay Wire                                                                               | Kg   | 1220 |  |  |  |  |
| 105 | 7/8 SWG Stay Wire                                                                                | kg   | 2780 |  |  |  |  |
| 106 | <b>Lightning Arrester</b>                                                                        |      |      |  |  |  |  |
| 107 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER 15KV                                                        | EA   | 84   |  |  |  |  |
| 108 | Lightning Arrester (30kV, 10kA) (Station Class, Class 2)                                         | Nos  | 15   |  |  |  |  |
| 109 | <b>Paint</b>                                                                                     |      |      |  |  |  |  |
| 110 | Black Paint                                                                                      | Ltr  | 460  |  |  |  |  |
| 111 | Yellow Colour Paint for Background                                                               | Ltr  | 919  |  |  |  |  |

**Total All Inclusive Value ( Rs.) (B)**

(B)

**Elephant Corridor - PART C: Civil & Services**

| S. No. | Description of Item                                                                                                                                                                                                                                                                                | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | Concreting of poles in ratio 1:1.5:3 for 9MTR PSC POLE                                                                                                                                                                                                                                             | Nos | 28.000  |                        |               |                                   |                                          |
| 2      | Concreting of poles in ratio 1:1.5:3 for 10MTR PSC POLE                                                                                                                                                                                                                                            | Nos | 256     |                        |               |                                   |                                          |
| 3      | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                                                                                                                                                                                            | Nos | 366     |                        |               |                                   |                                          |
| 4      | Concreting of poles in ratio 1:1.5:3 for 13MTR WPB POLE                                                                                                                                                                                                                                            | Nos | 270     |                        |               |                                   |                                          |
| 5      | Couping of poles in ratio 1:1.5:3 for 9MTR PSC POLE                                                                                                                                                                                                                                                | Nos | 28.000  |                        |               |                                   |                                          |
| 6      | Couping of poles in ratio 1:1.5:3 for 10MTR PSC POLE                                                                                                                                                                                                                                               | Nos | 256     |                        |               |                                   |                                          |
| 7      | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                                                                                                                                                                                               | Nos | 366     |                        |               |                                   |                                          |
| 8      | Couping of poles in ratio 1:1.5:3 for 13MTR WPB POLE                                                                                                                                                                                                                                               | Nos | 270     |                        |               |                                   |                                          |
| 9      | Stay concreting in ratio 1:2:4                                                                                                                                                                                                                                                                     | EA  | 316.8   |                        |               |                                   |                                          |
| 10     | Dismantle of RSJ/WPB pole 11/13 Mtr.                                                                                                                                                                                                                                                               | EA  | 196     |                        |               |                                   |                                          |
| 11     | Dismantle-33KV Disc with Hardware                                                                                                                                                                                                                                                                  | EA  | 560     |                        |               |                                   |                                          |
| 12     | Dismantle 33KV V cross arm                                                                                                                                                                                                                                                                         | EA  | 196     |                        |               |                                   |                                          |
| 13     | Dismantle-Steel Structure                                                                                                                                                                                                                                                                          | KG  | 4200    |                        |               |                                   |                                          |
| 14     | Dismantle-80-100 sqmm AAAC Conductor                                                                                                                                                                                                                                                               | M   | 86520   |                        |               |                                   |                                          |
| 15     | Dismantle-LT AB Cable with acces                                                                                                                                                                                                                                                                   | M   | 14008   |                        |               |                                   |                                          |
| 16     | Sundries (LDPE Tape, etc)                                                                                                                                                                                                                                                                          | EA  | 1       |                        |               |                                   |                                          |
| 17     | Making Trenchless ducts upto 200 mm dia through Single Pipe by HDD method using HDD machine. Scope of work includes pulling of any grade of HDPE Pipe, Jointing of the pipes, cable laying through HDPE Pipe and disposal of debris. Cable and HDPE pipe shall be free issued from DISCOM's store. | M   | 200     |                        |               |                                   |                                          |
| 18     | Supply and Installation of cable Route marker including transportation from site/tent, excavation, refilling, disposing of malba, flooding with water, ramming/compacting of foundation as per standard specifications and drawing.                                                                | Nos | 2       |                        |               |                                   |                                          |



**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**GED**

| S.No. | Description of Item                                                            | UOM | QTY (A)   | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|--------------------------------------------------------------------------------|-----|-----------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                    |     |           |                        |               |                                   |                                          |
| 2     | 9 mtr long 300 kg PSC pole                                                     | EA  | 92        |                        |               |                                   |                                          |
| 3     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 3128      |                        |               |                                   |                                          |
| 4     | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                  | EA  | 488       |                        |               |                                   |                                          |
| 5     | RCC base Plate                                                                 | EA  | 92        |                        |               |                                   |                                          |
| 6     | <b>Conductor,Cable &amp; Accessories</b>                                       |     |           |                        |               |                                   |                                          |
| 7     | AAA conductor,100 mm2                                                          | M   | 420.00    |                        |               |                                   |                                          |
| 8     | AAA conductor,148 mm2                                                          | M   | 84        |                        |               |                                   |                                          |
| 9     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 472152    |                        |               |                                   |                                          |
| 10    | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                       | M   | 74160     |                        |               |                                   |                                          |
| 11    | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 186       |                        |               |                                   |                                          |
| 12    | PG Clamp for 148 mm2 AAAC conductor                                            | Nos | 24        |                        |               |                                   |                                          |
| 13    | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 2751      |                        |               |                                   |                                          |
| 14    | IPC for Covered Conductor 33 KV 148 Sqmm                                       | EA  | 432       |                        |               |                                   |                                          |
| 15    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 4584      |                        |               |                                   |                                          |
| 16    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.             | EA  | 720       |                        |               |                                   |                                          |
| 17    | Non metallic Tie for alignment 11kV                                            | EA  | 5960      |                        |               |                                   |                                          |
| 18    | Non metallic Tie for alignment 33kV                                            | EA  | 1440      |                        |               |                                   |                                          |
| 19    | 11kV AL 3CX400 Sqmm XLPE Cable armoured A2XCWY-FRLSH                           | M   | 1200.00   |                        |               |                                   |                                          |
| 20    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(outdoor type)      | Nos | 20        |                        |               |                                   |                                          |
| 21    | High Density Polyethelene (HDPE) pipe 200mm diameter, PE 80-PN8                | M   | 1200      |                        |               |                                   |                                          |
| 22    | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 40        |                        |               |                                   |                                          |
| 23    | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 415       |                        |               |                                   |                                          |
| 24    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 10.3      |                        |               |                                   |                                          |
| 25    | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                            | km  | 1.545     |                        |               |                                   |                                          |
| 26    | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 415       |                        |               |                                   |                                          |
| 27    | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 46        |                        |               |                                   |                                          |
| 28    | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 184       |                        |               |                                   |                                          |
| 29    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 2300      |                        |               |                                   |                                          |
| 30    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 1150      |                        |               |                                   |                                          |
| 31    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 1150      |                        |               |                                   |                                          |
| 32    | Cap cable end for ABC 35SQMM                                                   | EA  | 138       |                        |               |                                   |                                          |
| 33    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 253       |                        |               |                                   |                                          |
| 34    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 415       |                        |               |                                   |                                          |
| 35    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 415       |                        |               |                                   |                                          |
| 36    | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 23        |                        |               |                                   |                                          |
| 37    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 23        |                        |               |                                   |                                          |
| 38    | <b>RMU</b>                                                                     |     |           |                        |               |                                   |                                          |
| 39    | <b>DANGER Plate</b>                                                            |     |           |                        |               |                                   |                                          |
| 40    | Danger Plate, 33kV                                                             | Nos | 488       |                        |               |                                   |                                          |
| 41    | Danger Plate, 11kV                                                             | Nos | 3108      |                        |               |                                   |                                          |
| 42    | BOARD DANGER 400/440 VOLT                                                      | Nos | 92        |                        |               |                                   |                                          |
| 43    | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 1115.7372 |                        |               |                                   |                                          |
| 44    | <b>AB Switch</b>                                                               |     |           |                        |               |                                   |                                          |
| 45    | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 21        |                        |               |                                   |                                          |
| 46    | 33kV AB Switch 400A 3Pole 50Hz Horizontal Type                                 | Set | 4         |                        |               |                                   |                                          |
| 47    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 1204.56   |                        |               |                                   |                                          |
| 48    | AB Switch mounting Channel 100X50X5mm GI channel 3.5mtr long                   | Kg  | 267.68    |                        |               |                                   |                                          |
| 49    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 167.30    |                        |               |                                   |                                          |
| 50    | <b>V-Cross Arm</b>                                                             |     |           |                        |               |                                   |                                          |
| 51    | 11kV V cross Arm (GI)                                                          | Nos | 1538      |                        |               |                                   |                                          |
| 52    | GI Back Clamp for 11kV 'V' Cros Arm                                            | Nos | 1538      |                        |               |                                   |                                          |
| 53    | Top bracket 100X50X5mm GI channel                                              | Nos | 2477      |                        |               |                                   |                                          |
| 54    | 33kV V cross Arm (GI)                                                          | Nos | 408       |                        |               |                                   |                                          |
| 55    | GI Back Clamp for 33kV 'V' Cros Arm                                            | Nos | 408       |                        |               |                                   |                                          |
| 56    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |           |                        |               |                                   |                                          |
| 57    | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 1304.94   |                        |               |                                   |                                          |

|                                            |                                                                                                  |      |            |  |  |  |  |
|--------------------------------------------|--------------------------------------------------------------------------------------------------|------|------------|--|--|--|--|
| 58                                         | Top Channel 100X50X5mm, each channel length 4.3 mtr.                                             | Kg   | 328.864    |  |  |  |  |
| 59                                         | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                             | Kg   | 753.92     |  |  |  |  |
| 60                                         | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                              | Kg   | 14023.3728 |  |  |  |  |
| 61                                         | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.                              | Kg   | 3120.384   |  |  |  |  |
| 62                                         | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                         | Kg   | 4137.62918 |  |  |  |  |
| 63                                         | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.                           | Kg   | 1799.28    |  |  |  |  |
| 64                                         | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr                            | Kg   | 491.232    |  |  |  |  |
| 65                                         | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.                             | Kg   | 1428       |  |  |  |  |
| 66                                         | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 142.80     |  |  |  |  |
| 67                                         | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.                            | Kg   | 354.744    |  |  |  |  |
| 68                                         | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 1327.54    |  |  |  |  |
| 69                                         | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                                          | Kg   | 961.56     |  |  |  |  |
| 70                                         | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 2671.71    |  |  |  |  |
| 71                                         | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 19854.54   |  |  |  |  |
| 72                                         | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314.16     |  |  |  |  |
| 73                                         | <b>GI Barbed Wire</b>                                                                            |      |            |  |  |  |  |
| 74                                         | GI barbed wire anticlimbing device                                                               | Kg   | 11124      |  |  |  |  |
| 75                                         | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 4462.9488  |  |  |  |  |
| 76                                         | Anticlimbing device Pole Spike                                                                   | Nos  | 3708       |  |  |  |  |
| 77                                         | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |            |  |  |  |  |
| 78                                         | 33kV,10kN pin insulator polymer                                                                  | Nos  | 1500       |  |  |  |  |
| 79                                         | 11kV,5kN pin insulator polymer                                                                   | Nos  | 6388       |  |  |  |  |
| 80                                         | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                               | Set  | 24         |  |  |  |  |
| 81                                         | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 186        |  |  |  |  |
| 82                                         | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 456        |  |  |  |  |
| 83                                         | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 2937       |  |  |  |  |
| 84                                         | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 2751       |  |  |  |  |
| 85                                         | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 432        |  |  |  |  |
| 86                                         | Eye hook                                                                                         | Nos  | 43         |  |  |  |  |
| 87                                         | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 459        |  |  |  |  |
| 88                                         | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 72         |  |  |  |  |
| 89                                         | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 208        |  |  |  |  |
| 90                                         | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 92         |  |  |  |  |
| 91                                         | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 69         |  |  |  |  |
| 92                                         | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 23         |  |  |  |  |
| 93                                         | <b>GI Wire &amp; Flat</b>                                                                        |      |            |  |  |  |  |
| 94                                         | Earthing of Support ( Coil Type )                                                                | Nos  | 3708       |  |  |  |  |
| 95                                         | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 95         |  |  |  |  |
| 96                                         | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 8.88       |  |  |  |  |
| 97                                         | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 1137.806   |  |  |  |  |
| 98                                         | 25X6 mm GI Flat                                                                                  | Kg   | 400        |  |  |  |  |
| 99                                         | 50X6 mm GI Flat                                                                                  | Kg   | 270        |  |  |  |  |
| 100                                        | <b>HT &amp; LT Stay</b>                                                                          |      |            |  |  |  |  |
| 101                                        | H.T 33kV Stay set (Complete)                                                                     | Set  | 1117       |  |  |  |  |
| 102                                        | H.T 11kV Stay set (Complete)                                                                     | Set  | 94         |  |  |  |  |
| 103                                        | H.T Stay clamp                                                                                   | Pair | 1211       |  |  |  |  |
| 104                                        | H.T Stay Insulator                                                                               | Nos  | 2288       |  |  |  |  |
| 105                                        | LT Stay Set (Complete)                                                                           | Set  | 23         |  |  |  |  |
| 106                                        | LT Stay Insulator                                                                                | EA   | 23         |  |  |  |  |
| 107                                        | LT Stay clamp                                                                                    | Pair | 23         |  |  |  |  |
| 108                                        | 7/12 SWG Stay Wire                                                                               | Kg   | 184        |  |  |  |  |
| 109                                        | 7/10 SWG Stay Wire                                                                               | Kg   | 1340       |  |  |  |  |
| 110                                        | 7/8 SWG Stay Wire                                                                                | kg   | 16152      |  |  |  |  |
| 111                                        | <b>Lightning Arrester</b>                                                                        |      |            |  |  |  |  |
| 112                                        | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 30         |  |  |  |  |
| 113                                        | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 63         |  |  |  |  |
| 114                                        | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                                           | Nos  | 12         |  |  |  |  |
| 115                                        | <b>Paint</b>                                                                                     |      |            |  |  |  |  |
| 116                                        | Black Paint                                                                                      | Ltr  | 1854       |  |  |  |  |
| 117                                        | Yellow Colour Paint for Background                                                               | Ltr  | 3708       |  |  |  |  |
| 118                                        | Supply, Installation & commissioning of Aniders                                                  | Nos  | 2.00       |  |  |  |  |
| <b>Total All Inclusive Value (Rs.) (A)</b> |                                                                                                  |      |            |  |  |  |  |

**Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials**

| S. No. | Description of Item | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs./Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------|-----|---------|------------------------|----------------|-----------------------------------|------------------------------------------|
| 1      | <b>Pole</b>         |     |         |                        |                |                                   |                                          |

|    |                                                                                |     |        |  |  |  |  |
|----|--------------------------------------------------------------------------------|-----|--------|--|--|--|--|
| 2  | 9 mtr long 300 kg PSC pole                                                     | EA  | 92     |  |  |  |  |
| 3  | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 3128   |  |  |  |  |
| 4  | WPB 160x152 (30.44KG/Mtr.),13 mtr- with base plate 300x300x12                  | EA  | 488    |  |  |  |  |
| 5  | RCC base Plate                                                                 | EA  | 92     |  |  |  |  |
| 6  | <b>Conductor,Cable &amp; Accessories</b>                                       |     |        |  |  |  |  |
| 7  | AAA conductor,100 mm2                                                          | M   | 420    |  |  |  |  |
| 8  | AAA conductor,148 mm2                                                          | M   | 84     |  |  |  |  |
| 9  | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 472152 |  |  |  |  |
| 10 | 33KV XLPE COVERED CONDUCTOR 148 SQMM,AAA                                       | M   | 74160  |  |  |  |  |
| 11 | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 186    |  |  |  |  |
| 12 | PG Clamp for 148 mm2 AAAC conductor                                            | Nos | 24     |  |  |  |  |
| 13 | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 2751   |  |  |  |  |
| 14 | IPC for Covered Conductor 33 KV 148 Sqmm                                       | EA  | 432    |  |  |  |  |
| 15 | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 4584   |  |  |  |  |
| 16 | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 33KV 148SQMM COND.             | EA  | 720    |  |  |  |  |
| 17 | Non metallic Tie for alignment 11kV                                            | EA  | 5960   |  |  |  |  |
| 18 | Non metallic Tie for alignment 33kV                                            | EA  | 1440   |  |  |  |  |
| 19 | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 40     |  |  |  |  |
| 20 | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 415    |  |  |  |  |
| 21 | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 10     |  |  |  |  |
| 22 | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                            | km  | 2      |  |  |  |  |
| 23 | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 415    |  |  |  |  |
| 24 | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 46     |  |  |  |  |
| 25 | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 184    |  |  |  |  |
| 26 | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 2300   |  |  |  |  |
| 27 | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 1150   |  |  |  |  |
| 28 | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 1150   |  |  |  |  |
| 29 | Cap cable end for ABC 35SQMM                                                   | EA  | 138    |  |  |  |  |
| 30 | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 253    |  |  |  |  |
| 31 | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 415    |  |  |  |  |
| 32 | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 415    |  |  |  |  |
| 33 | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 23     |  |  |  |  |
| 34 | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 23     |  |  |  |  |
| 35 | <b>RMU</b>                                                                     |     |        |  |  |  |  |
| 36 | <b>DANGER Plate</b>                                                            |     |        |  |  |  |  |
| 37 | Danger Plate, 33kV                                                             | Nos | 488    |  |  |  |  |
| 38 | Danger Plate, 11kV                                                             | Nos | 3108   |  |  |  |  |
| 39 | BOARD DANGER 400/440 VOLT                                                      | Nos | 92     |  |  |  |  |
| 40 | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 1116   |  |  |  |  |
| 41 | <b>AB Switch</b>                                                               |     |        |  |  |  |  |
| 42 | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 21     |  |  |  |  |
| 43 | 33kV AB Switch 400A 3Pole 50Hz Horizontal Type                                 | Set | 4      |  |  |  |  |
| 44 | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 1205   |  |  |  |  |
| 45 | AB Switch mounting Channel 100X50X5mm GI channel 3.5mtr long                   | Kg  | 268    |  |  |  |  |
| 46 | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 167    |  |  |  |  |
| 47 | <b>V-Cross Arm</b>                                                             |     |        |  |  |  |  |
| 48 | 11kV V cross Arm (GI)                                                          | Nos | 1538   |  |  |  |  |
| 49 | GI Back Clamp for 11kV 'V' Cros Arm                                            | Nos | 1538   |  |  |  |  |
| 50 | Top bracket 100X50X5mm GI channel                                              | Nos | 2476   |  |  |  |  |
| 51 | 33kV V cross Arm (GI)                                                          | Nos | 408    |  |  |  |  |
| 52 | GI Back Clamp for 33kV 'V' Cros Arm                                            | Nos | 408    |  |  |  |  |
| 53 | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |        |  |  |  |  |
| 54 | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 1305   |  |  |  |  |
| 55 | Top Channel 100X50X5mm, each channel length 4.3 mtr.                           | Kg  | 329    |  |  |  |  |
| 56 | Top Channel 100X50X5mm, each channel length 2.3 mtr.                           | Kg  | 754    |  |  |  |  |
| 57 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.            | Kg  | 14023  |  |  |  |  |
| 58 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.7 Mtr.            | Kg  | 3120   |  |  |  |  |
| 59 | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.       | Kg  | 4138   |  |  |  |  |
| 60 | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.         | Kg  | 1799   |  |  |  |  |
| 61 | Double Pole Belting Channel 75X40X4.8mm., each channel length 4.3 Mtr          | Kg  | 491    |  |  |  |  |
| 62 | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.           | Kg  | 1428   |  |  |  |  |
| 63 | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.       | Kg  | 143    |  |  |  |  |
| 64 | 50X50X6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr.          | Kg  | 355    |  |  |  |  |
| 65 | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                        | Kg  | 1328   |  |  |  |  |
| 66 | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                        | Kg  | 962    |  |  |  |  |
| 67 | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                     | Kg  | 2672   |  |  |  |  |
| 68 | GI Nut , Bolt & Washer of different sizes                                      | Kg  | 19855  |  |  |  |  |
| 69 | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                          | Kg  | 314    |  |  |  |  |



|                                             |                                                                                                  |      |       |  |  |  |  |
|---------------------------------------------|--------------------------------------------------------------------------------------------------|------|-------|--|--|--|--|
| 70                                          | <b>GI Barbed Wire</b>                                                                            |      |       |  |  |  |  |
| 71                                          | GI barbed wire anticlimbing device                                                               | Kg   | 11124 |  |  |  |  |
| 72                                          | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 4463  |  |  |  |  |
| 73                                          | Anticlimbing device Pole Spike                                                                   | Nos  | 3708  |  |  |  |  |
| 74                                          | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |       |  |  |  |  |
| 75                                          | 33kV,10kN pin insulator polymer                                                                  | Nos  | 1500  |  |  |  |  |
| 76                                          | 11kV,5kN pin insulator polymer                                                                   | Nos  | 6388  |  |  |  |  |
| 77                                          | 33kV H/W fitting(B&S) 120KN,4 Bolt                                                               | Set  | 24    |  |  |  |  |
| 78                                          | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 186   |  |  |  |  |
| 79                                          | 33kV Disc insulator (B&S) 120KN polymer                                                          | Nos  | 456   |  |  |  |  |
| 80                                          | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 2937  |  |  |  |  |
| 81                                          | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 2751  |  |  |  |  |
| 82                                          | Tension Assembly Wedge Type with Anchoring Clamp for 33 kV covered conductor                     | EA   | 432   |  |  |  |  |
| 83                                          | Eye hook                                                                                         | Nos  | 43    |  |  |  |  |
| 84                                          | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 459   |  |  |  |  |
| 85                                          | Midspan Joint Kit for 33kV 148 Sqmm Covered conductor                                            | EA   | 72    |  |  |  |  |
| 86                                          | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 208   |  |  |  |  |
| 87                                          | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 92    |  |  |  |  |
| 88                                          | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 69    |  |  |  |  |
| 89                                          | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 23    |  |  |  |  |
| 90                                          | <b>GI Wire &amp; Flat</b>                                                                        |      |       |  |  |  |  |
| 91                                          | Earthing of Support ( Coil Type )                                                                | Nos  | 3708  |  |  |  |  |
| 92                                          | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 95    |  |  |  |  |
| 93                                          | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 9     |  |  |  |  |
| 94                                          | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 1138  |  |  |  |  |
| 95                                          | 25X6 mm GI Flat                                                                                  | Kg   | 400   |  |  |  |  |
| 96                                          | 50X6 mm GI Flat                                                                                  | Kg   | 270   |  |  |  |  |
| 97                                          | <b>HT &amp; LT Stay</b>                                                                          |      |       |  |  |  |  |
| 98                                          | H.T 33kV Stay set (Complete)                                                                     | Set  | 1117  |  |  |  |  |
| 99                                          | H.T 11kV Stay set (Complete)                                                                     | Set  | 94    |  |  |  |  |
| 100                                         | H.T Stay clamp                                                                                   | Pair | 1211  |  |  |  |  |
| 101                                         | H.T Stay Insulator                                                                               | Nos  | 2288  |  |  |  |  |
| 102                                         | LT Stay Set (Complete)                                                                           | Set  | 23    |  |  |  |  |
| 103                                         | LT Stay Insulator                                                                                | EA   | 23    |  |  |  |  |
| 104                                         | LT Stay clamp                                                                                    | Pair | 23    |  |  |  |  |
| 105                                         | 7/12 SWG Stay Wire                                                                               | Kg   | 184   |  |  |  |  |
| 106                                         | 7/10 SWG Stay Wire                                                                               | Kg   | 1340  |  |  |  |  |
| 107                                         | 7/8 SWG Stay Wire                                                                                | kg   | 16152 |  |  |  |  |
| 108                                         | <b>Lightning Arrester</b>                                                                        |      |       |  |  |  |  |
| 109                                         | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 30    |  |  |  |  |
| 110                                         | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 63    |  |  |  |  |
| 111                                         | Lightning Arrester (30kV,10kA) (Station Class,Class 2)                                           | Nos  | 12    |  |  |  |  |
| 112                                         | <b>Paint</b>                                                                                     |      |       |  |  |  |  |
| 113                                         | Black Paint                                                                                      | Ltr  | 1854  |  |  |  |  |
| 114                                         | Yellow Colour Paint for Background                                                               | Ltr  | 3708  |  |  |  |  |
| <b>Total All Inclusive Value ( Rs.) (B)</b> |                                                                                                  |      |       |  |  |  |  |

**Total All Inclusive Value ( Rs.) (B)**

**Elephant Corridor - PART C: Civil & Services**

| S. No. | Description of Item                                     | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | Concreting of poles in ratio 1:1.5:3 for 9MTR PSC POLE  | Nos | 92.000  |                        |               |                                   |                                          |
| 2      | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE | Nos | 3128    |                        |               |                                   |                                          |
| 3      | Concreting of poles in ratio 1:1.5:3 for 13MTR WPB POLE | Nos | 488     |                        |               |                                   |                                          |
| 4      | Couping of poles in ratio 1:1.5:3 for 9MTR PSC POLE     | Nos | 92.000  |                        |               |                                   |                                          |
| 5      | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE    | Nos | 3128    |                        |               |                                   |                                          |
| 6      | Couping of poles in ratio 1:1.5:3 for 13MTR WPB POLE    | Nos | 488     |                        |               |                                   |                                          |
| 7      | Stay concreting in ratio 1:2:4                          | EA  | 1233.8  |                        |               |                                   |                                          |
| 8      | Dismantle of RSJ/WPB pole 11/13 Mtr.                    | EA  | 1237.6  |                        |               |                                   |                                          |
| 9      | Dismantle-33KV Disc with Hardware                       | EA  | 3536    |                        |               |                                   |                                          |
| 10     | Dismantle 33KV V cross arm                              | EA  | 1237.6  |                        |               |                                   |                                          |
| 11     | Dismantle-Steel Structure                               | KG  | 26520   |                        |               |                                   |                                          |
| 12     | Dismantle-80-100 sqmm AAAC Conductor                    | M   | 546312  |                        |               |                                   |                                          |
| 13     | Dismantle-LT AB Cable with acces                        | M   | 47380   |                        |               |                                   |                                          |
| 14     | Sundries (LDPE Tape, etc)                               | EA  | 5       |                        |               |                                   |                                          |

[illegible]

**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**PKED**

| S.No. | Description of Item                                                            | UOM | QTY (A)    | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|--------------------------------------------------------------------------------|-----|------------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                    |     |            |                        |               |                                   |                                          |
| 2     | 9 mtr long 300 kg PSC pole                                                     | EA  | 201        |                        |               |                                   |                                          |
| 3     | 10 mtr long 330 kg PSC pole                                                    | EA  | 1435       |                        |               |                                   |                                          |
| 4     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 2764       |                        |               |                                   |                                          |
| 5     | RCC base Plate                                                                 | EA  | 1636       |                        |               |                                   |                                          |
| 6     | <b>Conductor,Cable &amp; Accessories</b>                                       |     |            |                        |               |                                   |                                          |
| 7     | AAA conductor,100 mm2                                                          | M   | 240.00     |                        |               |                                   |                                          |
| 8     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 418695     |                        |               |                                   |                                          |
| 9     | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 132        |                        |               |                                   |                                          |
| 10    | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 2439       |                        |               |                                   |                                          |
| 11    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 4065       |                        |               |                                   |                                          |
| 12    | Non metallic Tie for alignment 11kV                                            | EA  | 5285       |                        |               |                                   |                                          |
| 13    | 11kV AL 3CX400 Sqmm XLPE Cable armoured A2XCWY-FRLSH                           | M   | 1200.00    |                        |               |                                   |                                          |
| 14    | Heat shrinkable jointing kit for 3Cx400 mm² 11KV XLPE Cable(outdoor type)      | Nos | 20         |                        |               |                                   |                                          |
| 15    | High Density Polyethelene (HDPE) pipe 200mm diameter, PE 80-PN8                | M   | 1200       |                        |               |                                   |                                          |
| 16    | Clamp for pipe (for 160 & 200mm dia)                                           | Nos | 40         |                        |               |                                   |                                          |
| 17    | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 904        |                        |               |                                   |                                          |
| 18    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 3.296      |                        |               |                                   |                                          |
| 19    | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                            | km  | 22.5055    |                        |               |                                   |                                          |
| 20    | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 904        |                        |               |                                   |                                          |
| 21    | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 101        |                        |               |                                   |                                          |
| 22    | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 401        |                        |               |                                   |                                          |
| 23    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 5010       |                        |               |                                   |                                          |
| 24    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 2505       |                        |               |                                   |                                          |
| 25    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 2505       |                        |               |                                   |                                          |
| 26    | Cap cable end for ABC 35SQMM                                                   | EA  | 301        |                        |               |                                   |                                          |
| 27    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 552        |                        |               |                                   |                                          |
| 28    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 904        |                        |               |                                   |                                          |
| 29    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 904        |                        |               |                                   |                                          |
| 30    | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 50.1       |                        |               |                                   |                                          |
| 31    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 51         |                        |               |                                   |                                          |
| 32    | <b>RMU</b>                                                                     |     |            |                        |               |                                   |                                          |
| 33    | <b>DANGER Plate</b>                                                            |     |            |                        |               |                                   |                                          |
| 34    | Danger Plate, 33kV                                                             | Nos | 335        |                        |               |                                   |                                          |
| 35    | Danger Plate, 11kV                                                             | Nos | 3844       |                        |               |                                   |                                          |
| 36    | BOARD DANGER 400/440 VOLT                                                      | Nos | 200        |                        |               |                                   |                                          |
| 37    | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 1323.77946 |                        |               |                                   |                                          |
| 38    | <b>AB Switch</b>                                                               |     |            |                        |               |                                   |                                          |
| 39    | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 12         |                        |               |                                   |                                          |
| 40    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 688.32     |                        |               |                                   |                                          |
| 41    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 80.30      |                        |               |                                   |                                          |
| 42    | <b>V-Cross Arm</b>                                                             |     |            |                        |               |                                   |                                          |
| 43    | 11kV V cross Arm (GI)                                                          | Nos | 2465       |                        |               |                                   |                                          |
| 44    | GI Back Clamp for 11kV 'V' Cros Arm                                            | Nos | 2465       |                        |               |                                   |                                          |
| 45    | Top bracket 100X50X5mm GI channel                                              | Nos | 3207       |                        |               |                                   |                                          |
| 46    | 33kV V cross Arm (GI)                                                          | Nos | 335        |                        |               |                                   |                                          |
| 47    | GI Back Clamp for 33kV 'V' Cros Arm                                            | Nos | 335        |                        |               |                                   |                                          |
| 48    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |            |                        |               |                                   |                                          |
| 49    | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 745.68     |                        |               |                                   |                                          |
| 50    | Top Channel 100X50X5mm, each channel length 2.3 mtr.                           | Kg  | 753.92     |                        |               |                                   |                                          |
| 51    | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.            | Kg  | 12435.648  |                        |               |                                   |                                          |
| 52    | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.       | Kg  | 3171.09024 |                        |               |                                   |                                          |
| 53    | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.         | Kg  | 1028.16    |                        |               |                                   |                                          |
| 54    | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.           | Kg  | 1428       |                        |               |                                   |                                          |
| 55    | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.       | Kg  | 68.54      |                        |               |                                   |                                          |
| 56    | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                        | Kg  | 758.59     |                        |               |                                   |                                          |
| 57    | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                        | Kg  | 961.56     |                        |               |                                   |                                          |
| 58    | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                     | Kg  | 2022.16    |                        |               |                                   |                                          |

|     |                                                                                                  |      |            |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------|------|------------|--|--|--|--|
| 59  | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 16861.463  |  |  |  |  |
| 60  | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314.16     |  |  |  |  |
| 61  | <b>GI Barbed Wire</b>                                                                            |      |            |  |  |  |  |
| 62  | GI barbed wire anticlimbing device                                                               | Kg   | 13198.2    |  |  |  |  |
| 63  | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 5295.11784 |  |  |  |  |
| 64  | Anticlimbing device Pole Spike                                                                   | Nos  | 4400       |  |  |  |  |
| 65  | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |            |  |  |  |  |
| 66  | 33kV,10kN pin insulator polymer                                                                  | Nos  | 1005       |  |  |  |  |
| 67  | 11kV,5kN pin insulator polymer                                                                   | Nos  | 8952       |  |  |  |  |
| 68  | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 132        |  |  |  |  |
| 69  | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 2571       |  |  |  |  |
| 70  | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 2439       |  |  |  |  |
| 71  | Eye hook                                                                                         | Nos  | 71         |  |  |  |  |
| 72  | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 407        |  |  |  |  |
| 73  | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 452        |  |  |  |  |
| 74  | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 201        |  |  |  |  |
| 75  | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 151        |  |  |  |  |
| 76  | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 51         |  |  |  |  |
| 77  | <b>GI Wire &amp; Flat</b>                                                                        |      |            |  |  |  |  |
| 78  | Earthing of Support ( Coil Type )                                                                | Nos  | 4400       |  |  |  |  |
| 79  | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 82         |  |  |  |  |
| 80  | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 8.88       |  |  |  |  |
| 81  | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 1318.9528  |  |  |  |  |
| 82  | 25X6 mm GI Flat                                                                                  | Kg   | 400        |  |  |  |  |
| 83  | 50X6 mm GI Flat                                                                                  | Kg   | 192        |  |  |  |  |
| 84  | <b>HT &amp; LT Stay</b>                                                                          |      |            |  |  |  |  |
| 85  | H.T 33kV Stay set (Complete)                                                                     | Set  | 853        |  |  |  |  |
| 86  | H.T 11kV Stay set (Complete)                                                                     | Set  | 58         |  |  |  |  |
| 87  | H.T Stay clamp                                                                                   | Pair | 911        |  |  |  |  |
| 88  | H.T Stay Insulator                                                                               | Nos  | 1724       |  |  |  |  |
| 89  | LT Stay Set (Complete)                                                                           | Set  | 51         |  |  |  |  |
| 90  | LT Stay Insulator                                                                                | EA   | 51         |  |  |  |  |
| 91  | LT Stay clamp                                                                                    | Pair | 51         |  |  |  |  |
| 92  | 7/12 SWG Stay Wire                                                                               | Kg   | 400.8      |  |  |  |  |
| 93  | 7/10 SWG Stay Wire                                                                               | Kg   | 980        |  |  |  |  |
| 94  | 7/8 SWG Stay Wire                                                                                | kg   | 12195      |  |  |  |  |
| 95  | <b>Lightning Arrester</b>                                                                        |      |            |  |  |  |  |
| 96  | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | Nos  | 30         |  |  |  |  |
| 97  | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 36         |  |  |  |  |
| 98  | <b>Paint</b>                                                                                     |      |            |  |  |  |  |
| 99  | Black Paint                                                                                      | Ltr  | 2199.7     |  |  |  |  |
| 100 | Yellow Colour Paint for Background                                                               | Ltr  | 4399.4     |  |  |  |  |
| 101 | Supply, Installation & commissioning of Aniders                                                  | Nos  | 2.00       |  |  |  |  |

**Total All Inclusive Value (Rs.) (A)**

**Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials**

| S. No. | Description of Item                                                | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|--------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | <b>Pole</b>                                                        |     |         |                        |               |                                   |                                          |
| 2      | 9 mtr long 300 kg PSC pole                                         | EA  | 201     |                        |               |                                   |                                          |
| 3      | 10 mtr long 330 kg PSC pole                                        | EA  | 1435    |                        |               |                                   |                                          |
| 4      | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12      | EA  | 2764    |                        |               |                                   |                                          |
| 5      | RCC base Plate                                                     | EA  | 1636    |                        |               |                                   |                                          |
| 6      | <b>Conductor,Cable &amp; Accessories</b>                           |     |         |                        |               |                                   |                                          |
| 7      | AAA conductor,100 mm2                                              | M   | 240     |                        |               |                                   |                                          |
| 8      | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                           | M   | 418695  |                        |               |                                   |                                          |
| 9      | PG Clamp for 100 mm2 AAAC conductor                                | EA  | 132     |                        |               |                                   |                                          |
| 10     | IPC for Covered Conductor 11 KV 100 Sqmm                           | EA  | 2439    |                        |               |                                   |                                          |
| 11     | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND. | EA  | 4065    |                        |               |                                   |                                          |
| 12     | Non metallic Tie for alignment 11kV                                | EA  | 5285    |                        |               |                                   |                                          |
| 13     | Clamp for pipe (for 160 & 200mm dia)                               | Nos | 40      |                        |               |                                   |                                          |
| 14     | LT Distribution Box Polycarbonate 10 Way                           | EA  | 904     |                        |               |                                   |                                          |
| 15     | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                | Km  | 3       |                        |               |                                   |                                          |
| 16     | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                | km  | 23      |                        |               |                                   |                                          |
| 17     | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                    | M   | 904     |                        |               |                                   |                                          |
| 18     | Gland for 1.1kV Al 4CX25 Sq.mm                                     | EA  | 101     |                        |               |                                   |                                          |
| 19     | Lug AL Crimping 25 Sqmm XLPE Single hole                           | EA  | 401     |                        |               |                                   |                                          |

|    |                                                                                                  |      |       |  |  |  |  |
|----|--------------------------------------------------------------------------------------------------|------|-------|--|--|--|--|
| 20 | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                              | M    | 5010  |  |  |  |  |
| 21 | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                             | M    | 2505  |  |  |  |  |
| 22 | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                             | M    | 2505  |  |  |  |  |
| 23 | Cap cable end for ABC 35SQMM                                                                     | EA   | 301   |  |  |  |  |
| 24 | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm                   | EA   | 552   |  |  |  |  |
| 25 | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm                     | EA   | 904   |  |  |  |  |
| 26 | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm                    | EA   | 904   |  |  |  |  |
| 27 | STEEL STRAP SIZE 20 MMX50 M LONG                                                                 | ROL  | 50    |  |  |  |  |
| 28 | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                                         | EA   | 51    |  |  |  |  |
| 29 | <b>RMU</b>                                                                                       |      |       |  |  |  |  |
| 30 | <b>DANGER Plate</b>                                                                              |      |       |  |  |  |  |
| 31 | Danger Plate, 33kV                                                                               | Nos  | 335   |  |  |  |  |
| 32 | Danger Plate, 11kV                                                                               | Nos  | 3844  |  |  |  |  |
| 33 | BOARD DANGER 400/440 VOLT                                                                        | Nos  | 200   |  |  |  |  |
| 34 | Back Clamp (25X3 mm. flat) for danger Plate                                                      | Kg   | 1324  |  |  |  |  |
| 35 | <b>AB Switch</b>                                                                                 |      |       |  |  |  |  |
| 36 | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                                   | Set  | 12    |  |  |  |  |
| 37 | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                                     | Kg   | 688   |  |  |  |  |
| 38 | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.                          | Kg   | 80    |  |  |  |  |
| 39 | <b>V-Cross Arm</b>                                                                               |      |       |  |  |  |  |
| 40 | 11kV V cross Arm (GI)                                                                            | Nos  | 2465  |  |  |  |  |
| 41 | GI Back Clamp for 11kV 'V' Cros Arm                                                              | Nos  | 2465  |  |  |  |  |
| 42 | Top bracket 100X50X5mm GI channel                                                                | Nos  | 3207  |  |  |  |  |
| 43 | 33kV V cross Arm (GI)                                                                            | Nos  | 335   |  |  |  |  |
| 44 | GI Back Clamp for 33kV 'V' Cros Arm                                                              | Nos  | 335   |  |  |  |  |
| 45 | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                                             |      |       |  |  |  |  |
| 46 | Top Channel 100X50X5mm,each channel length 3.25 mtr                                              | Kg   | 746   |  |  |  |  |
| 47 | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                             | Kg   | 754   |  |  |  |  |
| 48 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                              | Kg   | 12436 |  |  |  |  |
| 49 | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                         | Kg   | 3171  |  |  |  |  |
| 50 | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.                           | Kg   | 1028  |  |  |  |  |
| 51 | Double Pole Bracing Channel 75X40X4.8mm,each channel length 2.0 Mtr.                             | Kg   | 1428  |  |  |  |  |
| 52 | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 69    |  |  |  |  |
| 53 | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 759   |  |  |  |  |
| 54 | 50X50X6mm.GI Bracing Angle, each angle length 2.671 mtr                                          | Kg   | 962   |  |  |  |  |
| 55 | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 2022  |  |  |  |  |
| 56 | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 16861 |  |  |  |  |
| 57 | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314   |  |  |  |  |
| 58 | <b>GI Barbed Wire</b>                                                                            |      |       |  |  |  |  |
| 59 | GI barbed wire anticlimbing device                                                               | Kg   | 13198 |  |  |  |  |
| 60 | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 5295  |  |  |  |  |
| 61 | Anticlimbing device Pole Spike                                                                   | Nos  | 4400  |  |  |  |  |
| 62 | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |       |  |  |  |  |
| 63 | 33kV, 10kN pin insulator polymer                                                                 | Nos  | 1005  |  |  |  |  |
| 64 | 11kV, 5kN pin insulator polymer                                                                  | Nos  | 8952  |  |  |  |  |
| 65 | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 132   |  |  |  |  |
| 66 | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 2571  |  |  |  |  |
| 67 | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 2439  |  |  |  |  |
| 68 | Eye hook                                                                                         | Nos  | 71    |  |  |  |  |
| 69 | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 407   |  |  |  |  |
| 70 | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 452   |  |  |  |  |
| 71 | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 201   |  |  |  |  |
| 72 | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 151   |  |  |  |  |
| 73 | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 51    |  |  |  |  |
| 74 | <b>GI Wire &amp; Flat</b>                                                                        |      |       |  |  |  |  |
| 75 | Earthing of Support ( Coil Type )                                                                | Nos  | 4400  |  |  |  |  |
| 76 | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 82    |  |  |  |  |
| 77 | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 9     |  |  |  |  |
| 78 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 1319  |  |  |  |  |
| 79 | 25X6 mm GI Flat                                                                                  | Kg   | 400   |  |  |  |  |
| 80 | 50X6 mm GI Flat                                                                                  | Kg   | 192   |  |  |  |  |
| 81 | <b>HT &amp; LT Stay</b>                                                                          |      |       |  |  |  |  |
| 82 | H.T 33kV Stay set (Complete)                                                                     | Set  | 853   |  |  |  |  |
| 83 | H.T 11kV Stay set (Complete)                                                                     | Set  | 58    |  |  |  |  |
| 84 | H.T Stay clamp                                                                                   | Pair | 911   |  |  |  |  |
| 85 | H.T Stay Insulator                                                                               | Nos  | 1724  |  |  |  |  |
| 86 | LT Stay Set (Complete)                                                                           | Set  | 51    |  |  |  |  |
| 87 | LT Stay Insulator                                                                                | EA   | 51    |  |  |  |  |

| 88                                                         | LT Stay clamp                                                                                                                                                                                                                                                                                                                                                           | Pair | 51      |                        |               |                                   |                                          |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 89                                                         | 7/12 SWG Stay Wire                                                                                                                                                                                                                                                                                                                                                      | Kg   | 401     |                        |               |                                   |                                          |
| 90                                                         | 7/10 SWG Stay Wire                                                                                                                                                                                                                                                                                                                                                      | Kg   | 980     |                        |               |                                   |                                          |
| 91                                                         | 7/8 SWG Stay Wire                                                                                                                                                                                                                                                                                                                                                       | kg   | 12195   |                        |               |                                   |                                          |
| 92                                                         | <b>Lightning Arrester</b>                                                                                                                                                                                                                                                                                                                                               |      |         |                        |               |                                   |                                          |
| 93                                                         | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                                                                                                                                                                                                                                                                                                | Nos  | 30      |                        |               |                                   |                                          |
| 94                                                         | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                                                                                                                                                                                                                                                                                                | EA   | 36      |                        |               |                                   |                                          |
| 95                                                         | <b>Paint</b>                                                                                                                                                                                                                                                                                                                                                            |      |         |                        |               |                                   |                                          |
| 96                                                         | Black Paint                                                                                                                                                                                                                                                                                                                                                             | Ltr  | 2200    |                        |               |                                   |                                          |
| 97                                                         | Yellow Colour Paint for Background                                                                                                                                                                                                                                                                                                                                      | Ltr  | 4399    |                        |               |                                   |                                          |
| <b>Total All Inclusive Value ( Rs.) (B)</b>                |                                                                                                                                                                                                                                                                                                                                                                         |      |         |                        |               |                                   |                                          |
| <b>Elephant Corridor - PART C: Civil &amp; Services</b>    |                                                                                                                                                                                                                                                                                                                                                                         |      |         |                        |               |                                   |                                          |
| S. No.                                                     | Description of Item                                                                                                                                                                                                                                                                                                                                                     | UOM  | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
| 1                                                          | Concreting of poles in ratio 1:1.5:3 for 9MTR PSC POLE                                                                                                                                                                                                                                                                                                                  | Nos  | 201.000 |                        |               |                                   |                                          |
| 2                                                          | Concreting of poles in ratio 1:1.5:3 for 10MTR PSC POLE                                                                                                                                                                                                                                                                                                                 | Nos  | 1435    |                        |               |                                   |                                          |
| 3                                                          | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                                                                                                                                                                                                                                                                 | Nos  | 2764    |                        |               |                                   |                                          |
| 4                                                          | Couping of poles in ratio 1:1.5:3 for 9MTR PSC POLE                                                                                                                                                                                                                                                                                                                     | Nos  | 201.000 |                        |               |                                   |                                          |
| 5                                                          | Couping of poles in ratio 1:1.5:3 for 10MTR PSC POLE                                                                                                                                                                                                                                                                                                                    | Nos  | 1435    |                        |               |                                   |                                          |
| 6                                                          | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                                                                                                                                                                                                                                                                    | Nos  | 2764    |                        |               |                                   |                                          |
| 7                                                          | Stay concreting in ratio 1:2:4                                                                                                                                                                                                                                                                                                                                          | EA   | 961.1   |                        |               |                                   |                                          |
| 8                                                          | Dismantle of RSJ/WPB pole 11/13 Mtr.                                                                                                                                                                                                                                                                                                                                    | EA   | 948.5   |                        |               |                                   |                                          |
| 9                                                          | Dismantle-33KV Disc with Hardware                                                                                                                                                                                                                                                                                                                                       | EA   | 2710    |                        |               |                                   |                                          |
| 10                                                         | Dismantle 33KV V cross arm                                                                                                                                                                                                                                                                                                                                              | EA   | 948.5   |                        |               |                                   |                                          |
| 11                                                         | Dismantle-Steel Structure                                                                                                                                                                                                                                                                                                                                               | KG   | 20325   |                        |               |                                   |                                          |
| 12                                                         | Dismantle-80-100 sqmm AAAC Conductor                                                                                                                                                                                                                                                                                                                                    | M    | 418695  |                        |               |                                   |                                          |
| 13                                                         | Dismantle-LT AB Cable with acces                                                                                                                                                                                                                                                                                                                                        | M    | 103206  |                        |               |                                   |                                          |
| 14                                                         | Sundries (LDPE Tape, etc)                                                                                                                                                                                                                                                                                                                                               | EA   | 5       |                        |               |                                   |                                          |
| 15                                                         | Making Trenchless ducts upto 200 mm dia through Single Pipe by HDD method using HDD machine.Scope of work includes pulling of any grade of HDPE Pipe,Jointing of the pipes , cable laying through HDPE Pipe and disposal of debris . Cable and HDPE pipe shall be free issued from DISCOM's store.                                                                      | M    | 1000    |                        |               |                                   |                                          |
| 16                                                         | Supply and Installation of cable Route marker including transportation from site/tent, excavation, refilling, disposing of malba, flooding with water, ramming/compacting of foundation as per standard specifications and drawing.                                                                                                                                     | Nos  | 10      |                        |               |                                   |                                          |
| 17                                                         | BA will supply all necessary tools, Skilled jointer for making Jointing excluding excavation & Termination Kit for three phase / single phase as per DISCOM standards.This Line item is only for providing jointer and making joint by using suitable equipments by BA.Jointer will be certified by Raychem, 3M, Cellpack.Note :- Three phase will be consider one set. | Nos  | 20      |                        |               |                                   |                                          |
| 18                                                         | Laying of HDPE from size 110mm to 200mm in open trench, ground etc.Laying of HDPE pipe inside open trench / Pole mounting/Tower mounting.Scope also includes providing and laying all required consumable etc. for collar fixing and sealing of Pipe. (Excavation is excluded)                                                                                          | M    | 1200    |                        |               |                                   |                                          |
| 19                                                         | Material for earthing including masonary work for earth pit, salt, charcoal and RCC Cover                                                                                                                                                                                                                                                                               | EA   | 72      |                        |               |                                   |                                          |
| 20                                                         | Survey of incremental/delta network and assets changes of LT network and updation in GESW databas                                                                                                                                                                                                                                                                       | Km   | 25.05   |                        |               |                                   |                                          |
| 21                                                         | Survey of incremental/delta network and assets changes of 11kV network and updation in GESW databas                                                                                                                                                                                                                                                                     | KM   | 135.5   |                        |               |                                   |                                          |
| 22                                                         | Survey of incremental/delta network and assets changes of 11kV network and updation in GESW databas (Each Pole)                                                                                                                                                                                                                                                         | Nos  | 1154    |                        |               |                                   |                                          |
| 23                                                         | Survey of incremental/delta network and assets changes of 33 kV network and updation in GESW databas                                                                                                                                                                                                                                                                    | KM   | 0.5     |                        |               |                                   |                                          |
| 24                                                         | Survey of incremental/delta network and assets changes of 33kV network and updation in GESW databas (Each Pole)                                                                                                                                                                                                                                                         | Nos  | 335     |                        |               |                                   |                                          |
| 25                                                         | NH Crossing permission charges on approx basis                                                                                                                                                                                                                                                                                                                          | EA   | 5.00    |                        |               |                                   |                                          |
| 26                                                         | BA will provide necessary Manpower,civil material & Ms Material for construction of Brick boundary wall fencing 3MX3M.                                                                                                                                                                                                                                                  | R M  | 120     |                        |               |                                   |                                          |
| <b>Total All Inclusive Value ( Rs.) (C)</b>                |                                                                                                                                                                                                                                                                                                                                                                         |      |         |                        |               |                                   |                                          |
| <b>Total All Inclusive Value ( Rs.) (D) = (A)+(B)+ (C)</b> |                                                                                                                                                                                                                                                                                                                                                                         |      |         |                        |               |                                   |                                          |

**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**KED**

| S.No. | Description of Item                                                                              | UOM  | QTY (A)   | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|--------------------------------------------------------------------------------------------------|------|-----------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                                      |      |           |                        |               |                                   |                                          |
| 2     | 9 mtr long 300 kg PSC pole                                                                       | EA   | 48        |                        |               |                                   |                                          |
| 3     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                                    | EA   | 230       |                        |               |                                   |                                          |
| 4     | RCC base Plate                                                                                   | EA   | 48        |                        |               |                                   |                                          |
| 5     | <b>Conductor,Cable &amp; Accessories</b>                                                         |      |           |                        |               |                                   |                                          |
| 6     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                                         | M    | 33990     |                        |               |                                   |                                          |
| 7     | IPC for Covered Conductor 11 KV 100 Sqmm                                                         | EA   | 198       |                        |               |                                   |                                          |
| 8     | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.                               | EA   | 330       |                        |               |                                   |                                          |
| 9     | Non metallic Tie for alignment 11kV                                                              | EA   | 429       |                        |               |                                   |                                          |
| 10    | LT Distribution Box Polycarbonate 10 Way                                                         | EA   | 217       |                        |               |                                   |                                          |
| 11    | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                                              | km   | 6.18      |                        |               |                                   |                                          |
| 12    | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                                  | M    | 217       |                        |               |                                   |                                          |
| 13    | Gland for 1.1kV Al 4CX25 Sq.mm                                                                   | EA   | 24        |                        |               |                                   |                                          |
| 14    | Lug AL Crimping 25 Sqmm XLPE Single hole                                                         | EA   | 96        |                        |               |                                   |                                          |
| 15    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                              | M    | 1200      |                        |               |                                   |                                          |
| 16    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                             | M    | 600       |                        |               |                                   |                                          |
| 17    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH                             | M    | 600       |                        |               |                                   |                                          |
| 18    | Cap cable end for ABC 35SQMM                                                                     | EA   | 72        |                        |               |                                   |                                          |
| 19    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm                   | EA   | 132       |                        |               |                                   |                                          |
| 20    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm                     | EA   | 217       |                        |               |                                   |                                          |
| 21    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm                    | EA   | 217       |                        |               |                                   |                                          |
| 22    | STEEL STRAP SIZE 20 MMX50 M LONG                                                                 | ROL  | 12        |                        |               |                                   |                                          |
| 23    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                                         | EA   | 12        |                        |               |                                   |                                          |
| 24    | <b>RMU</b>                                                                                       |      |           |                        |               |                                   |                                          |
| 25    | <b>DANGER Plate</b>                                                                              |      |           |                        |               |                                   |                                          |
| 26    | Danger Plate, 11kV                                                                               | Nos  | 230       |                        |               |                                   |                                          |
| 27    | BOARD DANGER 400/440 VOLT                                                                        | Nos  | 48        |                        |               |                                   |                                          |
| 28    | Back Clamp (25X3 mm. flat) for danger Plate                                                      | Kg   | 83.6502   |                        |               |                                   |                                          |
| 29    | <b>AB Switch</b>                                                                                 |      |           |                        |               |                                   |                                          |
| 30    | <b>V-Cross Arm</b>                                                                               |      |           |                        |               |                                   |                                          |
| 31    | 11kV V cross Arm (GI)                                                                            | Nos  | 120       |                        |               |                                   |                                          |
| 32    | GI Back Clamp for 11kV "V" Cros Arm                                                              | Nos  | 120       |                        |               |                                   |                                          |
| 33    | Top bracket 100X50X5mm GI channel                                                                | Nos  | 153       |                        |               |                                   |                                          |
| 34    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                                             |      |           |                        |               |                                   |                                          |
| 35    | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                             | Kg   | 314.16    |                        |               |                                   |                                          |
| 36    | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                              | Kg   | 1009.536  |                        |               |                                   |                                          |
| 37    | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                         | Kg   | 257.43168 |                        |               |                                   |                                          |
| 38    | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 154.74    |                        |               |                                   |                                          |
| 39    | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 1202.31   |                        |               |                                   |                                          |
| 40    | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314.16    |                        |               |                                   |                                          |
| 41    | <b>GI Barbed Wire</b>                                                                            |      |           |                        |               |                                   |                                          |
| 42    | GI barbed wire anticlimbing device                                                               | Kg   | 834       |                        |               |                                   |                                          |
| 43    | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 334.6008  |                        |               |                                   |                                          |
| 44    | Anticlimbing device Pole Spike                                                                   | Nos  | 278       |                        |               |                                   |                                          |
| 45    | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |           |                        |               |                                   |                                          |
| 46    | 11kV,5kN pin insulator polymer                                                                   | Nos  | 481       |                        |               |                                   |                                          |
| 47    | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 198       |                        |               |                                   |                                          |
| 48    | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 198       |                        |               |                                   |                                          |
| 49    | Eye hook                                                                                         | Nos  | 32        |                        |               |                                   |                                          |
| 50    | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 33        |                        |               |                                   |                                          |
| 51    | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 109       |                        |               |                                   |                                          |
| 52    | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 48        |                        |               |                                   |                                          |
| 53    | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 36        |                        |               |                                   |                                          |
| 54    | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 12        |                        |               |                                   |                                          |
| 55    | <b>GI Wire &amp; Flat</b>                                                                        |      |           |                        |               |                                   |                                          |
| 56    | Earthing of Support ( Coil Type )                                                                | Nos  | 278       |                        |               |                                   |                                          |
| 57    | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 10        |                        |               |                                   |                                          |

| 58                                                                                                                              | No. 10 GI wire cross lacing (0.08Kg/mtr)                                       | Kg   | 8.88    |                        |               |                                   |                                          |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 59                                                                                                                              | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                        | Kg   | 239.146 |                        |               |                                   |                                          |
| 60                                                                                                                              | 50X6 mm GI Flat                                                                | Kg   | 60      |                        |               |                                   |                                          |
| 61                                                                                                                              | <b>HT &amp; LT Stay</b>                                                        |      |         |                        |               |                                   |                                          |
| 62                                                                                                                              | H.T 33kV Stay set (Complete)                                                   | Set  | 66      |                        |               |                                   |                                          |
| 63                                                                                                                              | H.T 11kV Stay set (Complete)                                                   | Set  | 10      |                        |               |                                   |                                          |
| 64                                                                                                                              | H.T Stay clamp                                                                 | Pair | 76      |                        |               |                                   |                                          |
| 65                                                                                                                              | H.T Stay Insulator                                                             | Nos  | 142     |                        |               |                                   |                                          |
| 66                                                                                                                              | LT Stay Set (Complete)                                                         | Set  | 12      |                        |               |                                   |                                          |
| 67                                                                                                                              | LT Stay Insulator                                                              | EA   | 12      |                        |               |                                   |                                          |
| 68                                                                                                                              | LT Stay clamp                                                                  | Pair | 12      |                        |               |                                   |                                          |
| 69                                                                                                                              | 7/12 SWG Stay Wire                                                             | Kg   | 96      |                        |               |                                   |                                          |
| 70                                                                                                                              | 7/10 SWG Stay Wire                                                             | Kg   | 100     |                        |               |                                   |                                          |
| 71                                                                                                                              | 7/8 SWG Stay Wire                                                              | kg   | 990     |                        |               |                                   |                                          |
| 72                                                                                                                              | <b>Lightning Arrester</b>                                                      |      |         |                        |               |                                   |                                          |
| 73                                                                                                                              | <b>Paint</b>                                                                   |      |         |                        |               |                                   |                                          |
| 74                                                                                                                              | Black Paint                                                                    | Ltr  | 139     |                        |               |                                   |                                          |
| 75                                                                                                                              | Yellow Colour Paint for Background                                             | Ltr  | 278     |                        |               |                                   |                                          |
| 76                                                                                                                              | Supply, Installation & commissioning of Aniders                                | Nos  | 2.00    |                        |               |                                   |                                          |
| <b>Total All Inclusive Value (Rs.) (A)</b>                                                                                      |                                                                                |      |         |                        |               |                                   |                                          |
| <b>Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials</b> |                                                                                |      |         |                        |               |                                   |                                          |
| S. No.                                                                                                                          | Description of Item                                                            | UOM  | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
| 1                                                                                                                               | <b>Pole</b>                                                                    |      |         |                        |               |                                   |                                          |
| 2                                                                                                                               | 9 mtr long 300 kg PSC pole                                                     | EA   | 48      |                        |               |                                   |                                          |
| 3                                                                                                                               | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA   | 230     |                        |               |                                   |                                          |
| 4                                                                                                                               | RCC base Plate                                                                 | EA   | 48      |                        |               |                                   |                                          |
| 5                                                                                                                               | <b>Conductor,Cable &amp; Accessories</b>                                       |      |         |                        |               |                                   |                                          |
| 6                                                                                                                               | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M    | 33990   |                        |               |                                   |                                          |
| 7                                                                                                                               | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA   | 198     |                        |               |                                   |                                          |
| 8                                                                                                                               | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA   | 330     |                        |               |                                   |                                          |
| 9                                                                                                                               | Non metallic Tie for alignment 11kV                                            | EA   | 429     |                        |               |                                   |                                          |
| 10                                                                                                                              | LT Distribution Box Polycarbonate 10 Way                                       | EA   | 217     |                        |               |                                   |                                          |
| 11                                                                                                                              | 1.1KV LT AB Cable 4x50+1x50+1x16mm2                                            | km   | 6       |                        |               |                                   |                                          |
| 12                                                                                                                              | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M    | 217     |                        |               |                                   |                                          |
| 13                                                                                                                              | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA   | 24      |                        |               |                                   |                                          |
| 14                                                                                                                              | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA   | 96      |                        |               |                                   |                                          |
| 15                                                                                                                              | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M    | 1200    |                        |               |                                   |                                          |
| 16                                                                                                                              | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M    | 600     |                        |               |                                   |                                          |
| 17                                                                                                                              | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M    | 600     |                        |               |                                   |                                          |
| 18                                                                                                                              | Cap cable end for ABC 35SQMM                                                   | EA   | 72      |                        |               |                                   |                                          |
| 19                                                                                                                              | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA   | 132     |                        |               |                                   |                                          |
| 20                                                                                                                              | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA   | 217     |                        |               |                                   |                                          |
| 21                                                                                                                              | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA   | 217     |                        |               |                                   |                                          |
| 22                                                                                                                              | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL  | 12      |                        |               |                                   |                                          |
| 23                                                                                                                              | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA   | 12      |                        |               |                                   |                                          |
| 24                                                                                                                              | <b>RMU</b>                                                                     |      |         |                        |               |                                   |                                          |
| 25                                                                                                                              | <b>DANGER Plate</b>                                                            |      |         |                        |               |                                   |                                          |
| 26                                                                                                                              | Danger Plate, 11kV                                                             | Nos  | 230     |                        |               |                                   |                                          |
| 27                                                                                                                              | BOARD DANGER 400/440 VOLT                                                      | Nos  | 48      |                        |               |                                   |                                          |
| 28                                                                                                                              | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg   | 84      |                        |               |                                   |                                          |
| 29                                                                                                                              | <b>AB Switch</b>                                                               |      |         |                        |               |                                   |                                          |
| 30                                                                                                                              | <b>V-Cross Arm</b>                                                             |      |         |                        |               |                                   |                                          |
| 31                                                                                                                              | 11kV V cross Arm (GI)                                                          | Nos  | 120     |                        |               |                                   |                                          |
| 32                                                                                                                              | GI Back Clamp for 11kV 'V' Cros Arm                                            | Nos  | 120     |                        |               |                                   |                                          |
| 33                                                                                                                              | Top bracket 100X50X5mm GI channel                                              | Nos  | 153     |                        |               |                                   |                                          |
| 34                                                                                                                              | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |      |         |                        |               |                                   |                                          |
| 35                                                                                                                              | Top Channel 100X50X5mm, each channel length 2.3 mtr.                           | Kg   | 314     |                        |               |                                   |                                          |
| 36                                                                                                                              | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.            | Kg   | 1010    |                        |               |                                   |                                          |
| 37                                                                                                                              | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.       | Kg   | 257     |                        |               |                                   |                                          |
| 38                                                                                                                              | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                     | Kg   | 155     |                        |               |                                   |                                          |
| 39                                                                                                                              | GI Nut , Bolt & Washer of different sizes                                      | Kg   | 1202    |                        |               |                                   |                                          |
| 40                                                                                                                              | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                          | Kg   | 314     |                        |               |                                   |                                          |
| 41                                                                                                                              | <b>GI Barbed Wire</b>                                                          |      |         |                        |               |                                   |                                          |
| 42                                                                                                                              | GI barbed wire anticlimbing device                                             | Kg   | 834     |                        |               |                                   |                                          |
| 43                                                                                                                              | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                  | Kg   | 335     |                        |               |                                   |                                          |



| 44                                                         | Anticlimbing device Pole Spike                                                                                         | Nos  | 278        |                           |                   |                                            |                                                |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------|------------|---------------------------|-------------------|--------------------------------------------|------------------------------------------------|
| 45                                                         | <b>Insulator &amp; Hardware Fittings</b>                                                                               |      |            |                           |                   |                                            |                                                |
| 46                                                         | 11kV,5kN pin insulator polymer                                                                                         | Nos  | 481        |                           |                   |                                            |                                                |
| 47                                                         | 11kV Disc insulator (B&S) 70KN polymer                                                                                 | EA   | 198        |                           |                   |                                            |                                                |
| 48                                                         | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                                           | EA   | 198        |                           |                   |                                            |                                                |
| 49                                                         | Eye hook                                                                                                               | Nos  | 32         |                           |                   |                                            |                                                |
| 50                                                         | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                                                  | EA   | 33         |                           |                   |                                            |                                                |
| 51                                                         | FRP CROSS ARM 1070MM 415V                                                                                              | EA   | 109        |                           |                   |                                            |                                                |
| 52                                                         | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                                                  | Pair | 48         |                           |                   |                                            |                                                |
| 53                                                         | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                                                  | Pair | 36         |                           |                   |                                            |                                                |
| 54                                                         | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm)                       | EA   | 12         |                           |                   |                                            |                                                |
| 55                                                         | <b>GI Wire &amp; Flat</b>                                                                                              |      |            |                           |                   |                                            |                                                |
| 56                                                         | Earthing of Support ( Coil Type )                                                                                      | Nos  | 278        |                           |                   |                                            |                                                |
| 57                                                         | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                                              | Nos  | 10         |                           |                   |                                            |                                                |
| 58                                                         | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                                               | Kg   | 9          |                           |                   |                                            |                                                |
| 59                                                         | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                                                | Kg   | 239        |                           |                   |                                            |                                                |
| 60                                                         | 50X6 mm GI Flat                                                                                                        | Kg   | 60         |                           |                   |                                            |                                                |
| 61                                                         | <b>HT &amp; LT Stay</b>                                                                                                |      |            |                           |                   |                                            |                                                |
| 62                                                         | H.T 33kV Stay set (Complete)                                                                                           | Set  | 66         |                           |                   |                                            |                                                |
| 63                                                         | H.T 11kV Stay set (Complete)                                                                                           | Set  | 10         |                           |                   |                                            |                                                |
| 64                                                         | H.T Stay clamp                                                                                                         | Pair | 76         |                           |                   |                                            |                                                |
| 65                                                         | H.T Stay Insulator                                                                                                     | Nos  | 142        |                           |                   |                                            |                                                |
| 66                                                         | LT Stay Set (Complete)                                                                                                 | Set  | 12         |                           |                   |                                            |                                                |
| 67                                                         | LT Stay Insulator                                                                                                      | EA   | 12         |                           |                   |                                            |                                                |
| 68                                                         | LT Stay clamp                                                                                                          | Pair | 12         |                           |                   |                                            |                                                |
| 69                                                         | 7/12 SWG Stay Wire                                                                                                     | Kg   | 96         |                           |                   |                                            |                                                |
| 70                                                         | 7/10 SWG Stay Wire                                                                                                     | Kg   | 100        |                           |                   |                                            |                                                |
| 71                                                         | 7/8 SWG Stay Wire                                                                                                      | kg   | 990        |                           |                   |                                            |                                                |
| 72                                                         | <b>Lightning Arrester</b>                                                                                              |      |            |                           |                   |                                            |                                                |
| 73                                                         | <b>Paint</b>                                                                                                           |      |            |                           |                   |                                            |                                                |
| 74                                                         | Black Paint                                                                                                            | Ltr  | 139        |                           |                   |                                            |                                                |
| 75                                                         | Yellow Colour Paint for Background                                                                                     | Ltr  | 278        |                           |                   |                                            |                                                |
| <b>Total All Inclusive Value ( Rs.) (B)</b>                |                                                                                                                        |      |            |                           |                   |                                            |                                                |
| <b>Elephant Corridor - PART C: Civil &amp; Services</b>    |                                                                                                                        |      |            |                           |                   |                                            |                                                |
| S. No.                                                     | Description of Item                                                                                                    | UOM  | QTY<br>(A) | Unit Price<br>(Rs./ Unit) | GST<br>(Rs./Unit) | Unit Rate<br>including<br>GST (Rs.)<br>(B) | All Inclusive<br>Rate (Rs.)<br>(C) = (A) X (B) |
| 1                                                          | Concreting of poles in ratio 1:1.5:3 for 9MTR PSC POLE                                                                 | Nos  | 48.000     |                           |                   |                                            |                                                |
| 2                                                          | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                | Nos  | 230        |                           |                   |                                            |                                                |
| 3                                                          | Couping of poles in ratio 1:1.5:3 for 9MTR PSC POLE                                                                    | Nos  | 48.000     |                           |                   |                                            |                                                |
| 4                                                          | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE                                                                   | Nos  | 230        |                           |                   |                                            |                                                |
| 5                                                          | Stay concreting in ratio 1:2:4                                                                                         | EA   | 88         |                           |                   |                                            |                                                |
| 6                                                          | Dismantle of RSJ/WPB pole 11/13 Mtr.                                                                                   | EA   | 77         |                           |                   |                                            |                                                |
| 7                                                          | Dismantle-33KV Disc with Hardware                                                                                      | EA   | 220        |                           |                   |                                            |                                                |
| 8                                                          | Dismantle 33KV V cross arm                                                                                             | EA   | 77         |                           |                   |                                            |                                                |
| 9                                                          | Dismantle-Steel Structure                                                                                              | KG   | 1650       |                           |                   |                                            |                                                |
| 10                                                         | Dismantle-80-100 sqmm AAAC Conductor                                                                                   | M    | 33990      |                           |                   |                                            |                                                |
| 11                                                         | Dismantle-LT AB Cable with acces                                                                                       | M    | 24720      |                           |                   |                                            |                                                |
| 12                                                         | Material for earthing including masonary work for earth pit, salt, charcoal and RCC Cover                              | EA   | 10         |                           |                   |                                            |                                                |
| 13                                                         | Survey of incremental/delta network and assets changes of LT network and updatoin in GESW databas                      | Km   | 6          |                           |                   |                                            |                                                |
| 14                                                         | Survey of incremental/delta network and assets changes of 11kV network and updatoin in GESW databas                    | KM   | 11         |                           |                   |                                            |                                                |
| 15                                                         | Survey of incremental/delta network and assets changes of 11kV network and updatoin in GESW databas (Each Pole)        | Nos  | 10         |                           |                   |                                            |                                                |
| 16                                                         | BA will provide necessary Manpower,civil material & Ms Material for construction of Brick boundary wall fencing 3MX3M. | R M  | 360        |                           |                   |                                            |                                                |
| <b>Total All Inclusive Value ( Rs.) (C)</b>                |                                                                                                                        |      |            |                           |                   |                                            |                                                |
| <b>Total All Inclusive Value ( Rs.) (D) = (A)+(B)+ (C)</b> |                                                                                                                        |      |            |                           |                   |                                            |                                                |

**ANNEXURE I**  
**Schedule of Item**

**BOQ Elephant Corridor -PART A: Supply of Materials**

**NED**

| S.No. | Description of Item                                                            | UOM | QTY (A)    | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|-------|--------------------------------------------------------------------------------|-----|------------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1     | <b>Pole</b>                                                                    |     |            |                        |               |                                   |                                          |
| 2     | 9 mtr long 300 kg PSC pole                                                     | EA  | 12         |                        |               |                                   |                                          |
| 3     | WPB 160x152 (30.44KG/Mtr.),11 mtr- with base plate 300x300x12                  | EA  | 1510       |                        |               |                                   |                                          |
| 4     | RCC base Plate                                                                 | EA  | 12         |                        |               |                                   |                                          |
| 5     | <b>Conductor,Cable &amp; Accessories</b>                                       |     |            |                        |               |                                   |                                          |
| 6     | AAA conductor,100 mm2                                                          | M   | 180.00     |                        |               |                                   |                                          |
| 7     | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 228969     |                        |               |                                   |                                          |
| 8     | PG Clamp for 100 mm2 AAAC conductor                                            | EA  | 54         |                        |               |                                   |                                          |
| 9     | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 1334       |                        |               |                                   |                                          |
| 10    | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 2223       |                        |               |                                   |                                          |
| 11    | Non metallic Tie for alignment 11kV                                            | EA  | 2890       |                        |               |                                   |                                          |
| 12    | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 51         |                        |               |                                   |                                          |
| 13    | 1.1KV LT AB Cable 4x35+1x35+1x16mm2                                            | Km  | 1.442      |                        |               |                                   |                                          |
| 14    | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 51         |                        |               |                                   |                                          |
| 15    | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 6          |                        |               |                                   |                                          |
| 16    | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 23         |                        |               |                                   |                                          |
| 17    | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 280        |                        |               |                                   |                                          |
| 18    | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 140        |                        |               |                                   |                                          |
| 19    | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 140        |                        |               |                                   |                                          |
| 20    | Cap cable end for ABC 35SQMM                                                   | EA  | 17         |                        |               |                                   |                                          |
| 21    | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 31         |                        |               |                                   |                                          |
| 22    | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 51         |                        |               |                                   |                                          |
| 23    | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 51         |                        |               |                                   |                                          |
| 24    | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 2.8        |                        |               |                                   |                                          |
| 25    | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 3          |                        |               |                                   |                                          |
| 26    | <b>RMU</b>                                                                     |     |            |                        |               |                                   |                                          |
| 27    | <b>DANGER Plate</b>                                                            |     |            |                        |               |                                   |                                          |
| 28    | Danger Plate, 11kV                                                             | Nos | 1510       |                        |               |                                   |                                          |
| 29    | BOARD DANGER 400/440 VOLT                                                      | Nos | 11         |                        |               |                                   |                                          |
| 30    | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 457.72908  |                        |               |                                   |                                          |
| 31    | <b>AB Switch</b>                                                               |     |            |                        |               |                                   |                                          |
| 32    | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                 | Set | 9          |                        |               |                                   |                                          |
| 33    | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                   | Kg  | 516.24     |                        |               |                                   |                                          |
| 34    | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.        | Kg  | 60.23      |                        |               |                                   |                                          |
| 35    | <b>V-Cross Arm</b>                                                             |     |            |                        |               |                                   |                                          |
| 36    | 11kV V cross Arm (GI)                                                          | Nos | 751        |                        |               |                                   |                                          |
| 37    | GI Back Clamp for 11kV "V" Cros Arm                                            | Nos | 751        |                        |               |                                   |                                          |
| 38    | Top bracket 100X50X5mm GI channel                                              | Nos | 974        |                        |               |                                   |                                          |
| 39    | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                           |     |            |                        |               |                                   |                                          |
| 40    | Top Channel 100X50X5mm,each channel length 3.25 mtr                            | Kg  | 559.26     |                        |               |                                   |                                          |
| 41    | Top Channel 100X50X5mm, each channel length 2.3 mtr.                           | Kg  | 314.16     |                        |               |                                   |                                          |
| 42    | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.            | Kg  | 6800.6016  |                        |               |                                   |                                          |
| 43    | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.       | Kg  | 1734.15341 |                        |               |                                   |                                          |
| 44    | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.         | Kg  | 771.12     |                        |               |                                   |                                          |
| 45    | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.       | Kg  | 51.41      |                        |               |                                   |                                          |
| 46    | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                        | Kg  | 568.94     |                        |               |                                   |                                          |
| 47    | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                     | Kg  | 1089.86    |                        |               |                                   |                                          |
| 48    | GI Nut , Bolt & Washer of different sizes                                      | Kg  | 8103.564   |                        |               |                                   |                                          |
| 49    | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                          | Kg  | 314.16     |                        |               |                                   |                                          |
| 50    | <b>GI Barbed Wire</b>                                                          |     |            |                        |               |                                   |                                          |
| 51    | GI barbed wire antilimbing device                                              | Kg  | 4563.6     |                        |               |                                   |                                          |
| 52    | Back Clamp (25X3mm. Flat) for Barbed wire antilimbing device                   | Kg  | 1830.91632 |                        |               |                                   |                                          |
| 53    | Antilimbing device Pole Spike                                                  | Nos | 1522       |                        |               |                                   |                                          |
| 54    | <b>Insulator &amp; Hardware Fittings</b>                                       |     |            |                        |               |                                   |                                          |
| 55    | 11kV,5kN pin insulator polymer                                                 | Nos | 3096       |                        |               |                                   |                                          |
| 56    | 11kV H/W fitting(B&S) 70KN,3 Bolt                                              | Set | 54         |                        |               |                                   |                                          |
| 57    | 11kV Disc insulator (B&S) 70KN polymer                                         | EA  | 1388       |                        |               |                                   |                                          |

|    |                                                                                                  |      |          |  |  |  |  |
|----|--------------------------------------------------------------------------------------------------|------|----------|--|--|--|--|
| 58 | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 1334     |  |  |  |  |
| 59 | Eye hook                                                                                         | Nos  | 23       |  |  |  |  |
| 60 | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 223      |  |  |  |  |
| 61 | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 26       |  |  |  |  |
| 62 | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 12       |  |  |  |  |
| 63 | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 9        |  |  |  |  |
| 64 | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 3        |  |  |  |  |
| 65 | <b>GI Wire &amp; Flat</b>                                                                        |      |          |  |  |  |  |
| 66 | Earthing of Support ( Coil Type )                                                                | Nos  | 1522     |  |  |  |  |
| 67 | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 19       |  |  |  |  |
| 68 | No. 10 GI wire cross lacing (0.08Kg/mtr)                                                         | Kg   | 8.88     |  |  |  |  |
| 69 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 564.8644 |  |  |  |  |
| 70 | 50X6 mm GI Flat                                                                                  | Kg   | 114      |  |  |  |  |
| 71 | <b>HT &amp; LT Stay</b>                                                                          |      |          |  |  |  |  |
| 72 | H.T 33kV Stay set (Complete)                                                                     | Set  | 445      |  |  |  |  |
| 73 | H.T 11kV Stay set (Complete)                                                                     | Set  | 46       |  |  |  |  |
| 74 | H.T Stay clamp                                                                                   | Pair | 491      |  |  |  |  |
| 75 | H.T Stay Insulator                                                                               | Nos  | 936      |  |  |  |  |
| 76 | LT Stay Set (Complete)                                                                           | Set  | 3        |  |  |  |  |
| 77 | LT Stay Insulator                                                                                | EA   | 3        |  |  |  |  |
| 78 | LT Stay clamp                                                                                    | Pair | 3        |  |  |  |  |
| 79 | 7/12 SWG Stay Wire                                                                               | Kg   | 22.4     |  |  |  |  |
| 80 | 7/10 SWG Stay Wire                                                                               | Kg   | 460      |  |  |  |  |
| 81 | 7/8 SWG Stay Wire                                                                                | kg   | 6669     |  |  |  |  |
| 82 | <b>Lightning Arrester</b>                                                                        |      |          |  |  |  |  |
| 83 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 27       |  |  |  |  |
| 84 | <b>Paint</b>                                                                                     |      |          |  |  |  |  |
| 85 | Black Paint                                                                                      | Ltr  | 760.6    |  |  |  |  |
| 86 | Yellow Colour Paint for Background                                                               | Ltr  | 1521.2   |  |  |  |  |
| 87 | Supply, Installation & commissioning of Aniders                                                  | Nos  | 2.00     |  |  |  |  |

**Total All Inclusive Value (Rs.) (A)**

**Electrical Network Infrastructure (Provision of Covered Conductor) for Elephant Corridor - PART B: Erection of Materials**

| S. No. | Description of Item                                                            | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|--------------------------------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | <b>Pole</b>                                                                    |     |         |                        |               |                                   |                                          |
| 2      | 9 mtr long 300 kg PSC pole                                                     | EA  | 12      |                        |               |                                   |                                          |
| 3      | WPB 160x152 (30.44KG/Mtr.), 11 mtr- with base plate 300x300x12                 | EA  | 1510    |                        |               |                                   |                                          |
| 4      | RCC base Plate                                                                 | EA  | 12      |                        |               |                                   |                                          |
| 5      | <b>Conductor,Cable &amp; Accessories</b>                                       |     |         |                        |               |                                   |                                          |
| 6      | AAA conductor, 100 mm <sup>2</sup>                                             | M   | 180     |                        |               |                                   |                                          |
| 7      | 11KV XLPE COVERED CONDUCTOR 100 SQMM,AAA                                       | M   | 228969  |                        |               |                                   |                                          |
| 8      | PG Clamp for 100 mm <sup>2</sup> AAAC conductor                                | EA  | 54      |                        |               |                                   |                                          |
| 9      | IPC for Covered Conductor 11 KV 100 Sqmm                                       | EA  | 1334    |                        |               |                                   |                                          |
| 10     | MECHANICAL CONNECTOR WITH HEAT SHRINK SIEVE FOR 11KV 100SQMM COND.             | EA  | 2223    |                        |               |                                   |                                          |
| 11     | Non metallic Tie for alignment 11kV                                            | EA  | 2890    |                        |               |                                   |                                          |
| 12     | LT Distribution Box Polycarbonate 10 Way                                       | EA  | 51      |                        |               |                                   |                                          |
| 13     | 1.1KV LT AB Cable 4x35+1x35+1x16mm <sup>2</sup>                                | Km  | 1       |                        |               |                                   |                                          |
| 14     | 1.1kV Al 4CX25 Sq.mm Armoured Cable A2XWY-FRLSH                                | M   | 51      |                        |               |                                   |                                          |
| 15     | Gland for 1.1kV Al 4CX25 Sq.mm                                                 | EA  | 6       |                        |               |                                   |                                          |
| 16     | Lug AL Crimping 25 Sqmm XLPE Single hole                                       | EA  | 23      |                        |               |                                   |                                          |
| 17     | 2C X 4sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH            | M   | 280     |                        |               |                                   |                                          |
| 18     | 2C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 140     |                        |               |                                   |                                          |
| 19     | 4C X 10sq. mm. Armoured Aluminium Cable - XLPE Insulated A2XWY-FRLSH           | M   | 140     |                        |               |                                   |                                          |
| 20     | Cap cable end for ABC 35SQMM                                                   | EA  | 17      |                        |               |                                   |                                          |
| 21     | Insulated piercing connector.Type-A-main 50 to 150 sq.mm & Tap-50 to 150 sq.mm | EA  | 31      |                        |               |                                   |                                          |
| 22     | Insulated piercing connector.Type-B-main 25 to 150 sq.mm & Tap-6 to 35 sq.mm   | EA  | 51      |                        |               |                                   |                                          |
| 23     | Insulated piercing connector.Type-C-main 16 to 95 sq.mm & Tap-1.5 to 16 sq.mm  | EA  | 51      |                        |               |                                   |                                          |
| 24     | STEEL STRAP SIZE 20 MMX50 M LONG                                               | ROL | 3       |                        |               |                                   |                                          |
| 25     | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                       | EA  | 3       |                        |               |                                   |                                          |
| 26     | <b>RMU</b>                                                                     |     |         |                        |               |                                   |                                          |
| 27     | <b>DANGER Plate</b>                                                            |     |         |                        |               |                                   |                                          |
| 28     | Danger Plate, 11kV                                                             | Nos | 1510    |                        |               |                                   |                                          |
| 29     | BOARD DANGER 400/440 VOLT                                                      | Nos | 11      |                        |               |                                   |                                          |
| 30     | Back Clamp (25X3 mm. flat) for danger Plate                                    | Kg  | 458     |                        |               |                                   |                                          |
| 31     | <b>AB Switch</b>                                                               |     |         |                        |               |                                   |                                          |

|    |                                                                                                  |      |      |  |  |  |  |
|----|--------------------------------------------------------------------------------------------------|------|------|--|--|--|--|
| 32 | 11kV AB Switch 400A 3pole 50Hz Horizontal Type                                                   | Set  | 9    |  |  |  |  |
| 33 | AB Switch mounting Channel 100X50X5mm GI channel 3.0mtr long                                     | Kg   | 516  |  |  |  |  |
| 34 | AB Switch Side Support Channel 100X50X5mm,each channel length 0.35 mtr.                          | Kg   | 60   |  |  |  |  |
| 35 | <b>V-Cross Arm</b>                                                                               |      |      |  |  |  |  |
| 36 | 11kV V cross Arm (GI)                                                                            | Nos  | 751  |  |  |  |  |
| 37 | GI Back Clamp for 11kV 'V' Cros Arm                                                              | Nos  | 751  |  |  |  |  |
| 38 | Top bracket 100X50X5mm GI channel                                                                | Nos  | 973  |  |  |  |  |
| 39 | <b>CHANNEL, ANGLE &amp; NUT-BOLT</b>                                                             |      |      |  |  |  |  |
| 40 | Top Channel 100X50X5mm,each channel length 3.25 mtr                                              | Kg   | 559  |  |  |  |  |
| 41 | Top Channel 100X50X5mm, each channel length 2.3 mtr.                                             | Kg   | 314  |  |  |  |  |
| 42 | Straight Cross Arm Channel 100X50X5mm, each channel length 1.2 Mtr.                              | Kg   | 6801 |  |  |  |  |
| 43 | Straight Cross Arm Top Channel 100X50X5mm,each channel length 0.306 Mtr.                         | Kg   | 1734 |  |  |  |  |
| 44 | Double Pole Belting Channel 75X40X 4.8mm.,each channel length 3.0 Mtr.                           | Kg   | 771  |  |  |  |  |
| 45 | Channel Support for down Pipe 75X40X4.8mm., each channel length 0.8 Mtr.                         | Kg   | 51   |  |  |  |  |
| 46 | 50X50X6mm.GI Bracing Angle, each angle length 3.512 mtr                                          | Kg   | 569  |  |  |  |  |
| 47 | Fish Plate 50X8 mm.,each 0.280 mtr. Length                                                       | Kg   | 1090 |  |  |  |  |
| 48 | GI Nut , Bolt & Washer of different sizes                                                        | Kg   | 8104 |  |  |  |  |
| 49 | Cross arm of 75X40X4.8mm GI Channel 2.2 mtr long 4Nos                                            | Kg   | 314  |  |  |  |  |
| 50 | <b>GI Barbed Wire</b>                                                                            |      |      |  |  |  |  |
| 51 | GI barbed wire anticlimbing device                                                               | Kg   | 4564 |  |  |  |  |
| 52 | Back Clamp (25X3mm. Flat) for Barbed wire anticlimbing device                                    | Kg   | 1831 |  |  |  |  |
| 53 | Anticlimbing device Pole Spike                                                                   | Nos  | 1522 |  |  |  |  |
| 54 | <b>Insulator &amp; Hardware Fittings</b>                                                         |      |      |  |  |  |  |
| 55 | 11kV,5kN pin insulator polymer                                                                   | Nos  | 3096 |  |  |  |  |
| 56 | 11kV H/W fitting(B&S) 70KN,3 Bolt                                                                | Set  | 54   |  |  |  |  |
| 57 | 11kV Disc insulator (B&S) 70KN polymer                                                           | EA   | 1388 |  |  |  |  |
| 58 | Tension Assembly Wedge Type with Anchoring Clamp for 11 kV covered conductor                     | EA   | 1334 |  |  |  |  |
| 59 | Eye hook                                                                                         | Nos  | 23   |  |  |  |  |
| 60 | Midspan Joint Kit for 11kV 100 Sqmm Covered conductor                                            | EA   | 223  |  |  |  |  |
| 61 | FRP CROSS ARM 1070MM 415V                                                                        | EA   | 26   |  |  |  |  |
| 62 | Pole clamp for EYE hook for XLPE Aerial bunched Cable                                            | Pair | 12   |  |  |  |  |
| 63 | NFC Suspension Clamp with EYE hook for ABC 25-50 Sqmm                                            | Pair | 9    |  |  |  |  |
| 64 | NFC Conductor Dead End Clamp suitable for bare messenger XLPE Aerial bunched cable (25-35 sq mm) | EA   | 3    |  |  |  |  |
| 65 | <b>GI Wire &amp; Flat</b>                                                                        |      |      |  |  |  |  |
| 66 | Earthing of Support ( Coil Type )                                                                | Nos  | 1522 |  |  |  |  |
| 67 | 40mm nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long                        | Nos  | 19   |  |  |  |  |
| 68 | No. 10 GI wire cross lacing ( 0.08Kg/mtr)                                                        | Kg   | 9    |  |  |  |  |
| 69 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.                                                          | Kg   | 565  |  |  |  |  |
| 70 | 50X6 mm GI Flat                                                                                  | Kg   | 114  |  |  |  |  |
| 71 | <b>HT &amp; LT Stay</b>                                                                          |      |      |  |  |  |  |
| 72 | H.T 33kV Stay set (Complete)                                                                     | Set  | 445  |  |  |  |  |
| 73 | H.T 11kV Stay set (Complete)                                                                     | Set  | 46   |  |  |  |  |
| 74 | H.T Stay clamp                                                                                   | Pair | 491  |  |  |  |  |
| 75 | H.T Stay Insulator                                                                               | Nos  | 936  |  |  |  |  |
| 76 | LT Stay Set (Complete)                                                                           | Set  | 3    |  |  |  |  |
| 77 | LT Stay Insulator                                                                                | EA   | 3    |  |  |  |  |
| 78 | LT Stay clamp                                                                                    | Pair | 3    |  |  |  |  |
| 79 | 7/12 SWG Stay Wire                                                                               | Kg   | 22   |  |  |  |  |
| 80 | 7/10 SWG Stay Wire                                                                               | Kg   | 460  |  |  |  |  |
| 81 | 7/8 SWG Stay Wire                                                                                | kg   | 6669 |  |  |  |  |
| 82 | <b>Lightning Arrester</b>                                                                        |      |      |  |  |  |  |
| 83 | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                         | EA   | 27   |  |  |  |  |
| 84 | <b>Paint</b>                                                                                     |      |      |  |  |  |  |
| 85 | Black Paint                                                                                      | Ltr  | 761  |  |  |  |  |
| 86 | Yellow Colour Paint for Background                                                               | Ltr  | 1521 |  |  |  |  |

**Total All Inclusive Value ( Rs.) (B)**

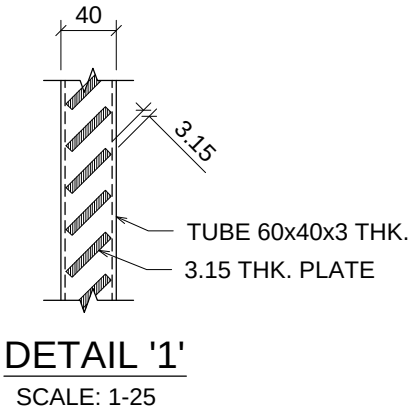
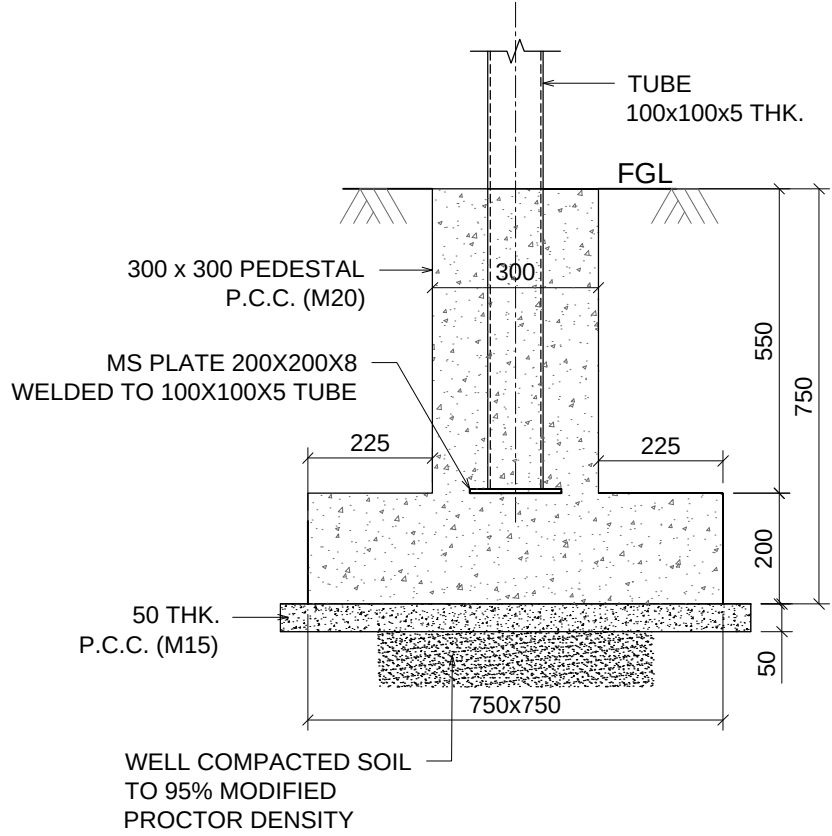
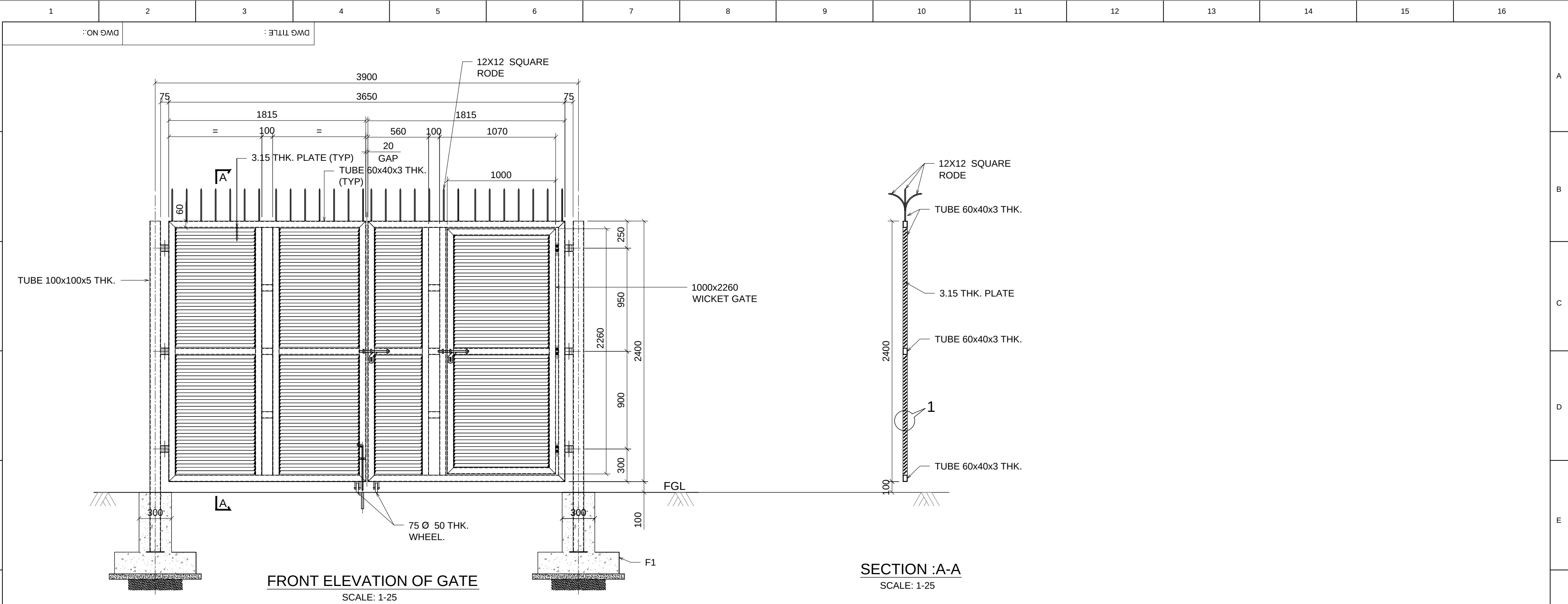
**Elephant Corridor - PART C: Civil & Services**

| S. No. | Description of Item                                     | UOM | QTY (A) | Unit Price (Rs./ Unit) | GST (Rs/Unit) | Unit Rate including GST (Rs.) (B) | All Inclusive Rate (Rs.) (C) = (A) X (B) |
|--------|---------------------------------------------------------|-----|---------|------------------------|---------------|-----------------------------------|------------------------------------------|
| 1      | Concreting of poles in ratio 1:1.5:3 for 9MTR PSC POLE  | Nos | 12.000  |                        |               |                                   |                                          |
| 2      | Concreting of poles in ratio 1:1.5:3 for 11MTR WPB POLE | Nos | 1510    |                        |               |                                   |                                          |
| 3      | Couping of poles in ratio 1:1.5:3 for 9MTR PSC POLE     | Nos | 12.000  |                        |               |                                   |                                          |
| 4      | Couping of poles in ratio 1:1.5:3 for 11MTR WPB POLE    | Nos | 1510    |                        |               |                                   |                                          |
| 5      | Stay concreting in ratio 1:2:4                          | EA  | 493.4   |                        |               |                                   |                                          |
| 6      | Dismantle of RSJ/WPB pole 11/13 Mtr.                    | EA  | 518.7   |                        |               |                                   |                                          |
| 7      | Dismantle-33KV Disc with Hardware                       | EA  | 1482    |                        |               |                                   |                                          |

|                                                            |                                                                                                                        |     |        |  |  |  |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----|--------|--|--|--|
| 8                                                          | Dismantle 33KV V cross arm                                                                                             | EA  | 518.7  |  |  |  |
| 9                                                          | Dismantle-Steel Structure                                                                                              | KG  | 11115  |  |  |  |
| 10                                                         | Dismantle-80-100 sqmm AAAC Conductor                                                                                   | M   | 228969 |  |  |  |
| 11                                                         | Dismantle-LT AB Cable with acces                                                                                       | M   | 5768   |  |  |  |
| 12                                                         | Material for earthing including masonary work for earth pit, salt, charcoal and RCC Cover                              | EA  | 19     |  |  |  |
| 13                                                         | Survey of incremental/delta network and assets changes of LT network and upadation in GESW databas                     | Km  | 1.4    |  |  |  |
| 14                                                         | Survey of incremental/delta network and assets changes of 11kV network and upadation in GESW databas                   | KM  | 74.1   |  |  |  |
| 15                                                         | Survey of incremental/delta network and assets changes of 11kV network and upadation in GESW databas(Each Pole)        | Nos | 28     |  |  |  |
| 16                                                         | BA will provide necessary Manpower,civil material & Ms Material for construction of Brick boundary wall fencing 3MX3M. | R M | 648    |  |  |  |
| <b>Total All Inclusive Value ( Rs.) (C)</b>                |                                                                                                                        |     |        |  |  |  |
| <b>Total All Inclusive Value ( Rs.) (D) = (A)+(B)+ (C)</b> |                                                                                                                        |     |        |  |  |  |

\\Anant\corporate engineering\01Proj\_Engg\02Engg\_ISO\DOCUMENTS\FORMS\Inhouse Dwgs- (A0 to A4)

FORM NO. ENG-FM-38-R1



- NOTES :-**
1. ALL DIMENSION ARE IN mm. & ALL LEVEL ARE IN MTRS.
  2. ALL DIMENSIONS TO BE CHECKED AT SITE BEFORE FABRICATION & CONSTRUCTION. FABRICATION & ERECTION TOLERANCES AS PER IS CODE OF INSPECTION.
  11. ALL STRUCTURAL STEEL WORK TO CONFIRM IS-2062 & IS-4923.
  12. ALL WELDS 8 MM THK. FILLET CONTINUOUS (U.N.O.)
  13. ALL GUSSET PLATES TO BE MINIMUM 8 MM THICK.
  14. ALL CONTACT LENGTHS TO BE WELDED.
  15. ALL STEEL WORK SHALL RECEIVE ONE COAT OF ZINC PHOSPHATE PRIMER OF 75 MICRON & TWO COAT OF SYNTHETIC ENAMEL OF 35 MICRON EACH.

PROJECT : TPWODL

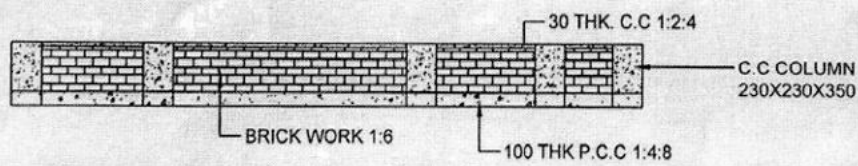
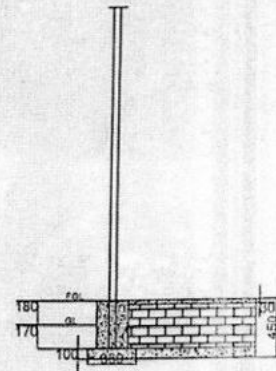
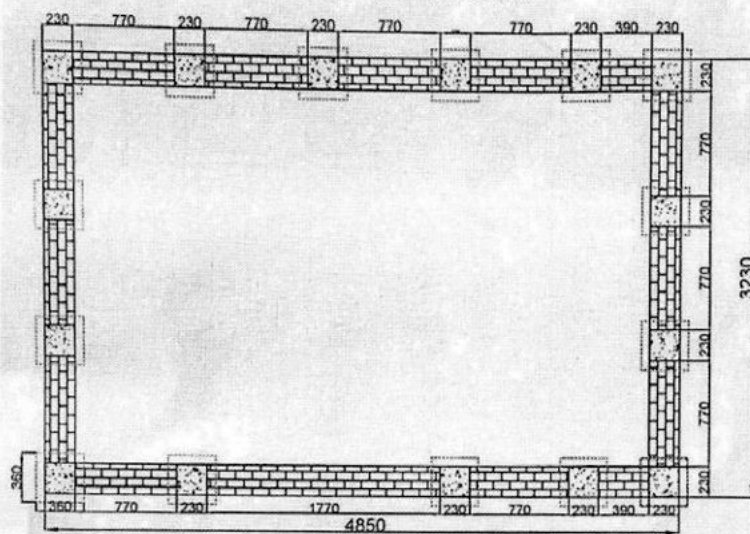
TITLE :  
DETAIL FOR 3.650M WIDE GATE FOR WEST BLOCK

| CLEARED |           |      |  | REV | REVISIONS | DRN | CLEARED |      |       |      |       |       | APPD | DATE |
|---------|-----------|------|--|-----|-----------|-----|---------|------|-------|------|-------|-------|------|------|
| DEPT    | SIGNATURE | DATE |  |     |           |     | CIVIL   | ELEC | I & C | MECH | P & L | AUTOM |      |      |
| CIVIL   |           |      |  |     |           |     |         |      |       |      |       |       |      |      |
| ELEC    |           |      |  |     |           |     |         |      |       |      |       |       |      |      |
| I&C     |           |      |  |     |           |     |         |      |       |      |       |       |      |      |
| MECH    |           |      |  |     |           |     |         |      |       |      |       |       |      |      |
| P & L   |           |      |  |     |           |     |         |      |       |      |       |       |      |      |
| AUTOM   |           |      |  |     |           |     |         |      |       |      |       |       |      |      |

| THE TATA POWER COMPANY LIMITED |                                 |                                     |
|--------------------------------|---------------------------------|-------------------------------------|
| SCALE : AS NOTED               | APPROVED                        | DATE : (REV.0 ISSUE)<br>30/06/2021  |
| DRAWN : MDG                    |                                 | DATE : (CURRENT REV.)<br>30/06/2021 |
| CHECKED : OD                   | S.C.                            |                                     |
| REVIEWED : SC                  | DWG. NO.: CA00309-00-C01-C8-017 | REV.: 0                             |



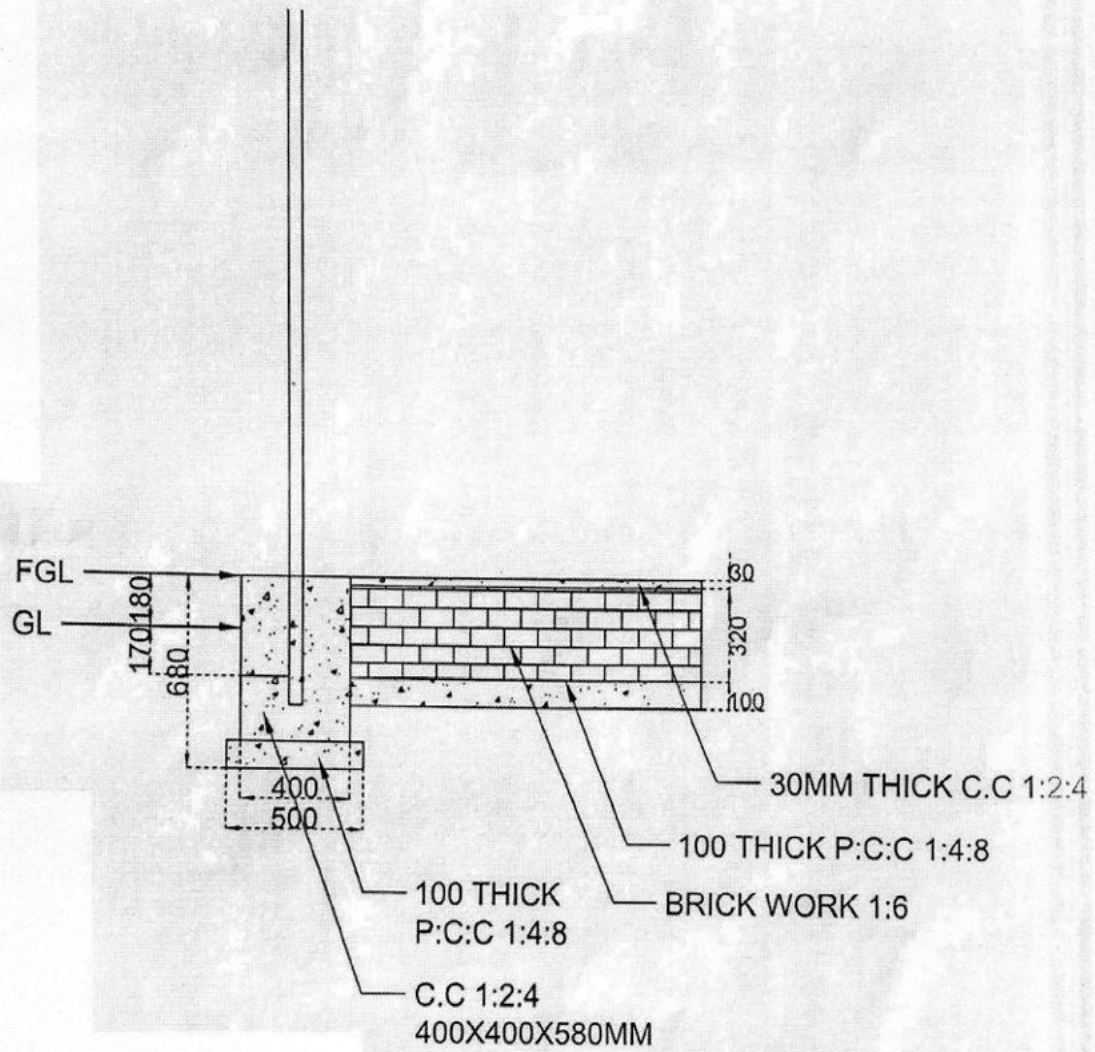
FOR NORMAL SOIL





The drawing shows a rectangular building plan with a total width of 5300 and a total depth of 3400. The plan is divided into a grid of rooms and corridors. The top horizontal wall has a total length of 5300, with segments of 500, 400, 600, 400, 600, 400, 600, 400, 600, 400, 500, and 400. The right vertical wall has a total height of 3400, with segments of 400, 600, 400, 500, 400, 600, and 500. The bottom horizontal wall has a total length of 5300, with segments of 400, 600, 400, 1600, 400, 600, 400, 500, and 400. The left vertical wall has a total height of 3400, with segments of 400, 600, 400, 500, 400, 600, and 500. The plan includes several rooms of different sizes, some with internal partitions, and a central corridor. The drawing is a technical architectural plan with dimensions and structural details.

# SECTIONAL DRAWING



## GUARANTEED TECHNICAL PARTICULARS OF FRP FENCING

| Sr. No. | DESCRIPTION                                 | REQUIREMENT                                                                                  | To be filled by Bidder     |
|---------|---------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------|
| 1       | Glass content                               | 60-70 %                                                                                      | Yes                        |
| 2       | Resin content                               | 30-40 %                                                                                      | Yes                        |
| 3       | Density of Moulding                         | 1.8 to 2.1 g/ml                                                                              | Yes                        |
| 4       | Water Absorption                            | 0.6% Max                                                                                     | Yes                        |
| 5       | Izod Impact Strength                        | 45 KJ/m <sup>2</sup>                                                                         | Yes                        |
| 6       | Tensile Strength                            | 206 MPa                                                                                      | Yes                        |
| 7       | Flexural Strength                           | 210 MPa                                                                                      | Yes                        |
| 8       | Modulus of Elasticity                       | 12x10 <sup>3</sup> to 15x10 <sup>3</sup> MPa                                                 | Yes                        |
| 9       | Surface resistivity (24Hour in Water)       | 1x10 <sup>11</sup> Ohm, Min                                                                  | Yes                        |
| 10      | Volume resistivity                          | 1x10 <sup>13</sup> Ohm-cm, Min                                                               | Yes                        |
| 11      | Tracking                                    | 600 Min                                                                                      | Yes                        |
| 12      | Power arc resistance                        | 120 sec, Min                                                                                 | Yes                        |
| 13      | Dielectric strength<br>At 90°C in oil kV/mm | 25 Kv/inch                                                                                   | Yes                        |
| 14      | Heat distortion temperature                 | 125°C, Min                                                                                   | Yes                        |
| 15      | Oxygen index                                | 23% Min.                                                                                     | Yes                        |
| 16      | Grade of material for Fencing               | Pultruded FRP UV and Fire Resistant confirming to specification requirements as per IS 6746  | Yes                        |
| 17      | Type Test certificate for material          | type test certificate should not be older than 5 years as on the date of tender opening      | Yes, Enclosed              |
| 18      | Size of the Fencing                         | 3000 x2400 x2050 (LxBxH)                                                                     | Yes, As per site condition |
| 19      | Foundation drawings details                 | To be provided by bidder                                                                     | Yes, Enclosed              |
| 20      | Net mass                                    | To be provided by bidder                                                                     | Yes                        |
| 21      | Name Plate                                  | Name plate of with PO no. & date to be provided on door.                                     | Yes                        |
| 22      | Colour of Fencing                           | BLUE Colour                                                                                  | Yes                        |
| 23      | Installation supervision                    | To be provided by bidder for initial 5 number quantity                                       | Yes                        |
| 24      | Fluorescent tape permanent type             | On all sides of top frame of fencing.                                                        | Yes                        |
| 25      | Sides Sections with 2.4 m length            | Sides of 2.4 m length should have three sections                                             | Yes                        |
| 26      | The grouting pipes                          | The grouting pipes load bearing should have stopper arrangement for fixing in the civil work | Yes                        |

27 flurosent Sticker

in each post (2 mtr)

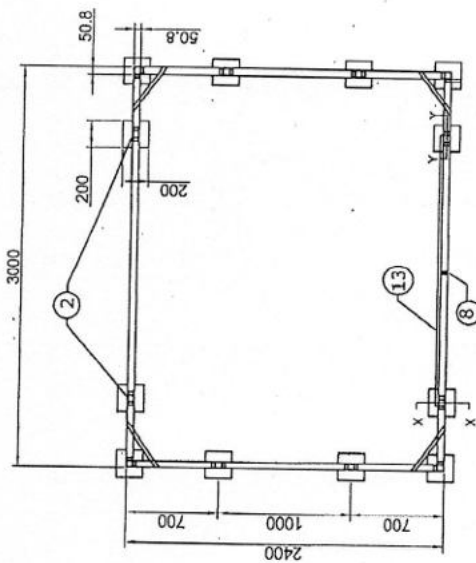
Yes



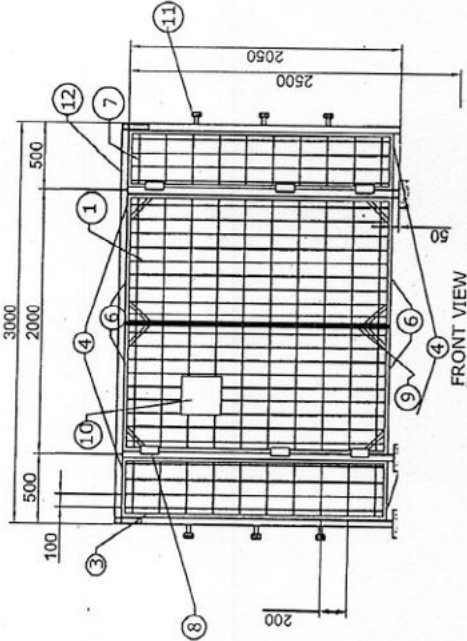
### DIFFERENT COMPONENTS OF FRP FENCING/BOM

| SI | Item                          | Profile            | Material                      | Dimension          | Bidder response                                                                        |
|----|-------------------------------|--------------------|-------------------------------|--------------------|----------------------------------------------------------------------------------------|
| 1  | Picket/ Vertical Flats        | Flats              | FRP                           | 40X5 mm            | 8 Nos Per standard Panel                                                               |
| 2  | Vertical Posts                | SQ. Pipe           | FRP                           | 50.8x50.8x3.175 mm | 2 Nos Per standard Panel                                                               |
| 3  | Vertical Pipe (frame)         | Rect. Pipe         | FRP                           | 50.8x25.4x3.175 mm | 2 Nos Per standard Panel                                                               |
| 4  | Horizontal pipe (frame)       | Rect. Pipe         | FRP                           | 50.8x25.4x3.175 mm | 2 Nos Per standard Panel                                                               |
| 5  | Horizontal Pipe (frame)       | Rect. Pipe         | FRP                           | 50.8x25.4x3.175 mm | Continuous pipe for each Side of substation fencing                                    |
| 6  | Horizontal Pipe (Gate frame)  | Rect. Pipe         | FRP                           | 50.8x25.4x3.175 mm | 6 Nos Per S/S                                                                          |
| 7  | Rail                          | Notch & groove bar | FRP                           | Ø12 mm             | 10 Nos per standard panel                                                              |
| 8  | Door                          |                    | FRP                           |                    | 2 Nos for each S/S                                                                     |
| 9  | Door Bolt(Handle)             |                    | SS                            | 250x16mm           | 2 Nos for each S/S                                                                     |
| 10 | Hinges                        |                    | SS                            |                    | 4 Nos for each door                                                                    |
| 11 | Door Stopper (Horizontal)     | Rect. Pipe         | FRP                           | 50.8x25.4x3.175 mm | 1 No. for each S/S                                                                     |
| 12 | Name Plate                    |                    | SS/SMC                        |                    | 1 No. for each S/S                                                                     |
| 13 | TPCODL LOGO                   |                    | Sticker pasted at FRP surface |                    | 1 No. for each S/S                                                                     |
| 14 | Danger Board                  |                    | MS                            | 25X20 CM           | 1 No. for each S/S                                                                     |
| 11 | Nut-Bolt & Washer (stud bolt) |                    | SS                            | M12 x120           | 1 No. Per standard Panel/Different types as per site requirement<br>Yes to be provided |
| 15 | Nut-Bolt & Washer (stud bolt) |                    | SS                            | M6 x100            |                                                                                        |
| 16 | SS Key & Lock arrangement     |                    | SS                            |                    |                                                                                        |

# Engineering Drawing for FRP fencing

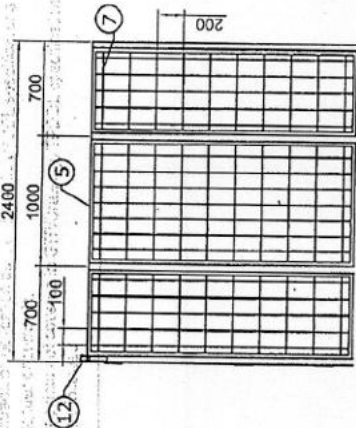


TOP VIEW

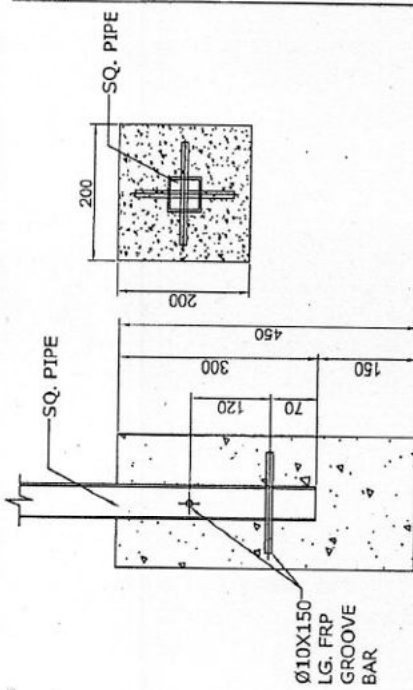


FRONT VIEW

DETAIL OF SEC Y-Y

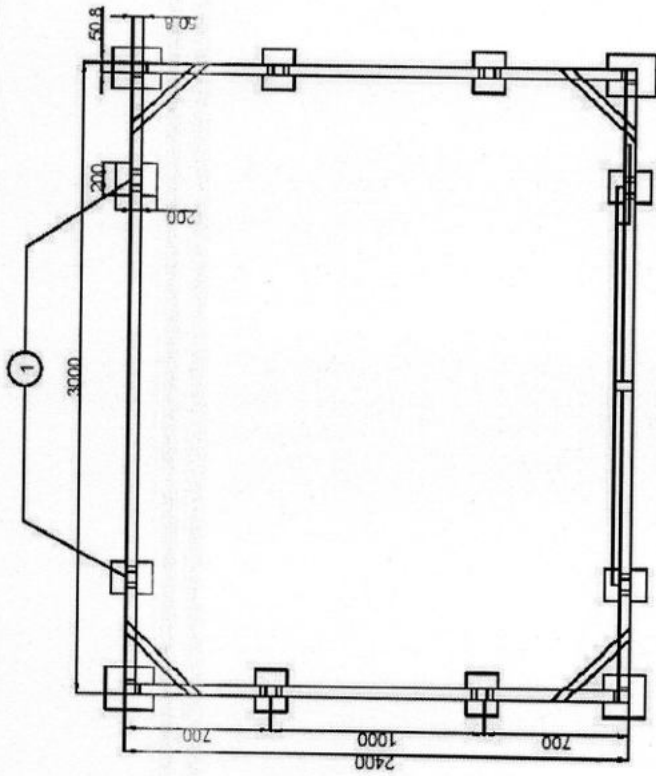


SIDE VIEW

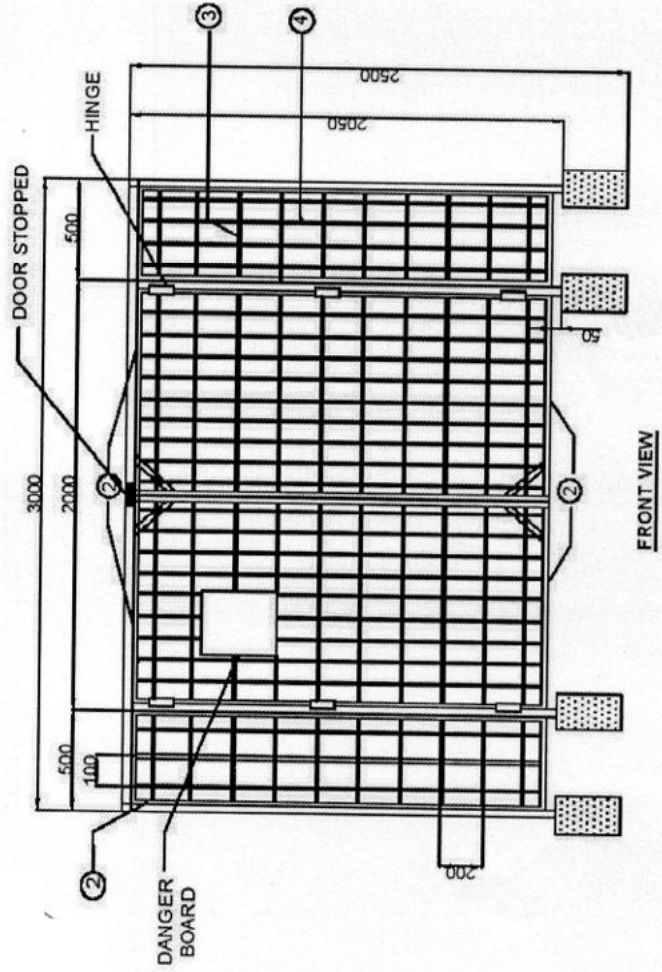


| No. | Item                           | Profile            | Dimension              |
|-----|--------------------------------|--------------------|------------------------|
| 1   | Pickets/vertical flats         | Flats              | 40 x 5mm Thk           |
| 2   | vertical posts                 | SQ. Pipe           | 50.8 x 50.8 x 3.175 mm |
| 3   | vertical pipe(frame)           | Rect. Pipe         | 50.8 x 25.4 x 3.175 mm |
| 4   | Horizontal pipe(frame)         | Rect. Pipe         | 50.8 x 25.4 x 3.175 mm |
| 5   | Horizontal pipe(frame)         | Rect. Pipe         | 50.4 x 25.4 x 3.175 mm |
| 6   | Horizontal pipe(gate frame)    | Rect. pipe         | 50.8 x 25.4 x 3.175 mm |
| 7   | Rail                           | Notch & groove bar | Ø12 mm                 |
| 8   | Hinges                         |                    | S.S. material          |
| 9   | Door Stopper (Vertical)        |                    | F.R.P                  |
| 10  | Danger Board                   |                    | M.S. Material          |
| 11  | Nut bolt & washer              | M12 x 100          | S.S. Material          |
| 12  | Horizontal pipe(frame support) | SQ. Pipe           | 50.8 x 50.8 x 3.175 mm |
| 13  | Door Stopper (Horizontal)      | Rect. Pipe         | 50.8 x 25.4 x 3.175 mm |
| 14  | Stud Bolt                      | M12X120            | S.S. Material          |
| 15  | Bolt                           | M6 X 100           | S.S. Material          |

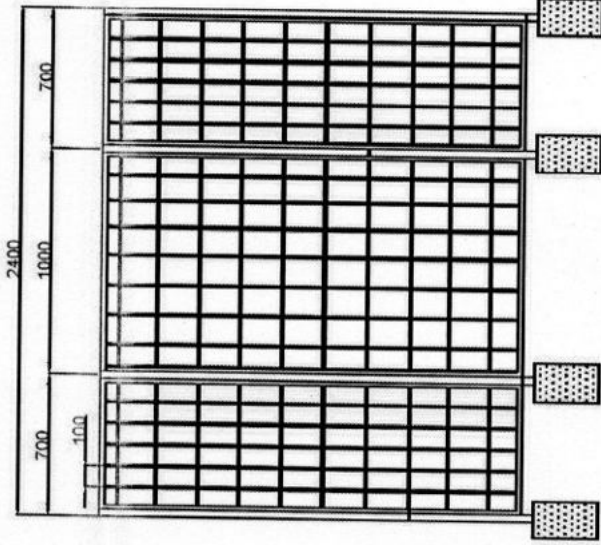
NOTE : ALL DIMENSION ARE IN mm UNLESS OTHERWISE SPECIFI



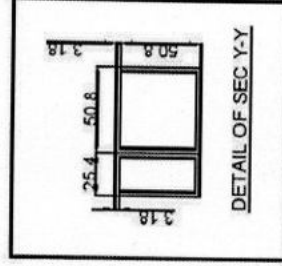
**TOP VIEW**



**FRONT VIEW**



**SIDE VIEW**



**DETAIL OF SEC Y-Y**

| BILL OF MATERIAL |                               |                                       | SUPPLIER REMARK |
|------------------|-------------------------------|---------------------------------------|-----------------|
| SL NO.           | DESCRIPTION                   | REQUIREMENT                           |                 |
| 1                | VERTICAL POST (Pultruded FRP) | FRP Box section of 50.8X50.8X3.175 mm | YES             |
| 2                | Sub frame section             | FRP Box section of 50.8X25.4X3.175 mm | YES             |
| 3                | Rail                          | FRP Rod Dia 12 mm                     | YES             |
| 4                | Pickets                       | FRP Flat 40X5 mm Thk                  | YES             |

**TITLE- FRP FENCING (3000X2500 MM)** DRAWING NO. - 2020/SCPI/60

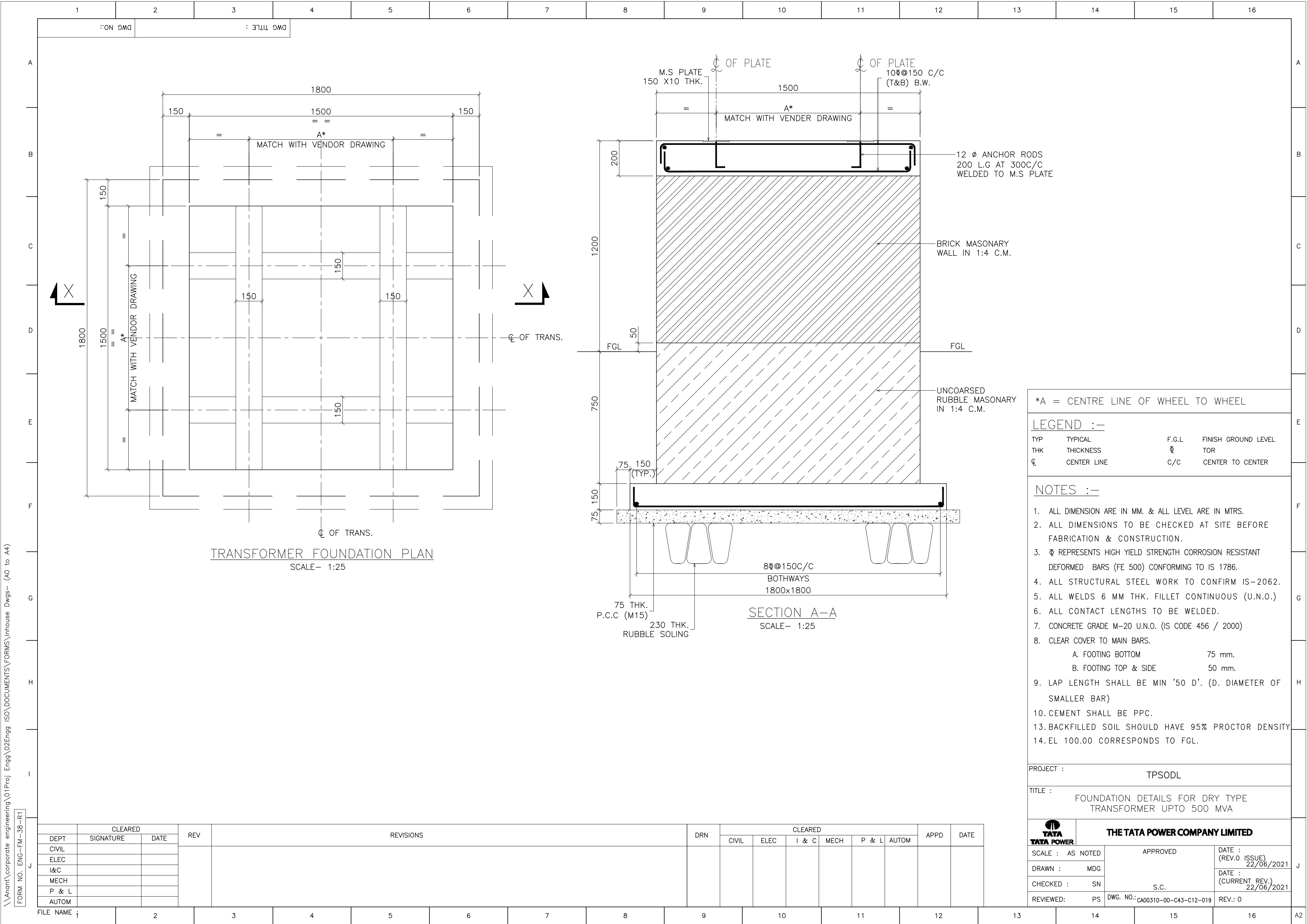
**TOLERANCE - ± 5%**

**CHECKED BY** AJ

**DT. - 15/08/20**

UNLESS AND OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm





|                                                                                                                                                                                                                         |                                                     |                              |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------|---------------------------------------------|
| <br><b>TP SOUTHERN ODISHA</b><br><b>DISTRIBUTION LIMITED</b><br><small>(A Joint Venture of Tata Power and Government of Odisha)</small> | <b>TP SOUTHERN ODISHA DISTRIBUTION LIMITED</b>      |                              | F02-(09.07.04)                              |
|                                                                                                                                                                                                                         |                                                     |                              | Revision: 01                                |
|                                                                                                                                                                                                                         |                                                     |                              | Eff. Date: 30.07.2025                       |
| <b>Name of the Document</b>                                                                                                                                                                                             | Technical Specification for Animal Repellent Device |                              |                                             |
| <b>Document No.</b>                                                                                                                                                                                                     | ENG-GEN-4045                                        | <b>Document Revision No.</b> | 00                                          |
| <b>Prepared By</b>                                                                                                                                                                                                      | <b>Reviewed By</b>                                  | <b>Approved By</b>           | <b>Issued By</b>                            |
| <b>Jyoti Ranjan Sahu</b>                                                                                                                                                                                                | <b>Shailendra Kumar Jaiswal</b>                     | <b>Ashok Saraf</b>           | <b>Dnyaneshwar Ramchandra Dharmadhikari</b> |

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|                                                                                                                                                                                                               |                                                     |                              |                                             |
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| <b>Document No.</b>                                                                                                                                                                                           | ENG-GEN-4045                                        | <b>Document Revision No.</b> | 00                                          |
| <b>Prepared By</b>                                                                                                                                                                                            | <b>Reviewed By</b>                                  | <b>Approved By</b>           | <b>Issued By</b>                            |
| <b>Jyoti Ranjan Sahu</b>                                                                                                                                                                                      | <b>Shailendra Kumar Jaiswal</b>                     | <b>Ashok Saraf</b>           | <b>Dnyaneshwar Ramchandra Dharmadhikari</b> |

### 1.SCOPE:

This specification covers design, manufacturing, testing, supply, and delivery of AI-enabled, solar-powered Animal Repellent Devices with all necessary accessories which intended to use in dense forest area to prevent animal & bird from electrocution.

### 2.APPLICABLE STANDARDS:

The equipment covered by this specification shall unless otherwise stated, be designed, manufactured and tested in accordance with latest editions of the following standards/IEC and shall conform to the regulations of local statutory authorities.

- IEC 60947 (Low-voltage switchgear and control gear)
- IS 16046: For non-acid electrolytes and secondary portable sealed cells
- IS 9000 (basic environmental testing procedures for electronic and electrical items)
- MoEFCC wildlife mitigation norms (where applicable)
- IEC 60529: IP rating for outdoor electronics
- IS 14286: General requirement of solar PV module
- IEC 61646: design qualification for solar PV module
- IEC 61730: safety qualification of PV module

Note: Latest revision of all above stated IS shall be prevailed.

### 3.CLIMATIC CONDITIONS OF THE INSTALLATION:

- 1.Max. altitude above sea level 1200m
- 2.Max. Ambient Temperature 50 °C
- 3.Max. Daily average ambient temp 35 °C
- 4.Min Ambient Temp 0 °C
- 5.Maximum temperature attainable by an object exposed to sun 60 °C
- 6.Maximum Humidity 95% & Minimum Humidity 10%
- 7.Average No. of thunderstorm days per annum 70
- 8.Average Annual Rainfall 150 cm
- 9.Average No. of rainy days per annum 120
- 10.Thermal Resistivity of soil 150 Deg. Ccm/W
- 11.Wind Pressure 126 kg/sq. m up to an elevation of 10 meter.
- 12.Earthquakes of intensity in horizontal direction equivalent to seismic acceleration of 0.3g
13. Earthquakes of intensity in vertical direction equivalent to seismic acceleration of 0.15g
- 14.Wind velocity 300 km/hr.

Environmentally, some of the regions, where the work will take place include coastal areas, subject to high relative humidity, which can give rise to condensation. Onshore winds will frequently be salt laden. The atmosphere is generally laden with mild acid and dust in suspension during the dry months and is subjected to fog in cold months. The design of equipment and accessories shall be suitable to withstand seismic forces as mentioned above.

|                                                                                                                                                                                                               |                                                     |                              |                                             |
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| <b>Name of the Document</b>                                                                                                                                                                                   | Technical Specification for Animal Repellent Device |                              |                                             |
| <b>Document No.</b>                                                                                                                                                                                           | ENG-GEN-4045                                        | <b>Document Revision No.</b> | 00                                          |
| <b>Prepared By</b>                                                                                                                                                                                            | <b>Reviewed By</b>                                  | <b>Approved By</b>           | <b>Issued By</b>                            |
| <b>Jyoti Ranjan Sahu</b>                                                                                                                                                                                      | <b>Shailendra Kumar Jaiswal</b>                     | <b>Ashok Saraf</b>           | <b>Dnyaneshwar Ramchandra Dharmadhikari</b> |

#### 4. GENERAL TECHNICAL REQUIREMENTS:

| Sl no | Description      | Requirement                                                                                                                    |
|-------|------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1.    | Power Source     | Solar powered                                                                                                                  |
| 2.    | Battery          | Lithium-Ion                                                                                                                    |
| 3.    | Battery Capacity | 6000 mAh (min)                                                                                                                 |
| 4.    | Backup           | Min 720 hours standby (min)                                                                                                    |
| 5.    | Sensor Type      | Dual – PIR (Passive Infrared) and AIR (Active Infrared)                                                                        |
| 6.    | Detection Range  | 30 meters diameter                                                                                                             |
| 7.    | AI Capability    | for species recognition                                                                                                        |
| 8.    | Mounting         | Pole/fence mountable, plug & play installation. Sufficient grid/mesh system shall be provided to protect the sensor.           |
| 9.    | IP               | 65                                                                                                                             |
| 10.   | Alarm types      | 40 unique sound alarms + High-beam lights<br>Ultra sonic sound wave for bird & small animal and hooter system for big mammals. |
| 11.   | Application      | Forest Edges                                                                                                                   |
| 12.   | Communication    | Compatible for integration with GSM module for SMS Alerts/<br>Live Visual + App Trigger                                        |
| 13.   | Make & model     | Shall be finalized at the time of engineering                                                                                  |
| 14.   | Sound intensity  | Ultrasonic wave: up to 20db<br>Hooter: up to 110db                                                                             |

#### 5. GENERAL CONSTRUCTIONS:

- The Animal Repellent Device shall be designed to be rugged, weather-resistant, and suitable for continuous outdoor operation in diverse environmental conditions, including coastal, dusty, and humid regions.
- The enclosure shall be made of UV-stabilized thermoplastic or powder-coated aluminum, providing protection against corrosion, solar radiation, and mechanical impacts.
- The device shall be rated for a minimum of IP65 ingress protection, ensuring dust-tightness and protection against water jets from any direction.
- All edges, fasteners, and mounting components shall be smooth, burr-free, and secured to avoid injury to personnel and animals, and to ensure safe installation.
- The device shall incorporate dual sensors (PIR and AIR), securely housed within the enclosure for protection and effective detection of animal movement up to a 30-meter diameter.
- The deterrent system shall integrate high-luminosity LED lights and an array of 40 different sound alarms, capable of operating in combination to prevent habituation by animals.
- The solar panel shall be fixed at an optimal angle for efficient charging of the internal Lithium-Ion battery (6000 mAh). The panel shall be impact-resistant and sealed against environmental ingress.

|                                                                                  |                                                     |                              |                                             |
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| <b>Jyoti Ranjan Sahu</b>                                                         | <b>Shailendra Kumar Jaiswal</b>                     | <b>Ashok Saraf</b>           | <b>Dnyaneshwar Ramchandra Dharmadhikari</b> |

- Mounting of the device shall be facilitated through universal brackets allowing pole, wall, or fence installation. All necessary mounting accessories shall be included.
- Electrical and electronic components shall be securely fastened inside the unit, with internal wiring arranged neatly and protected against vibration and moisture ingress.
- The unit shall support optional AI-based modules for species-specific recognition and IoT dashboards for remote monitoring, subject to user configuration.

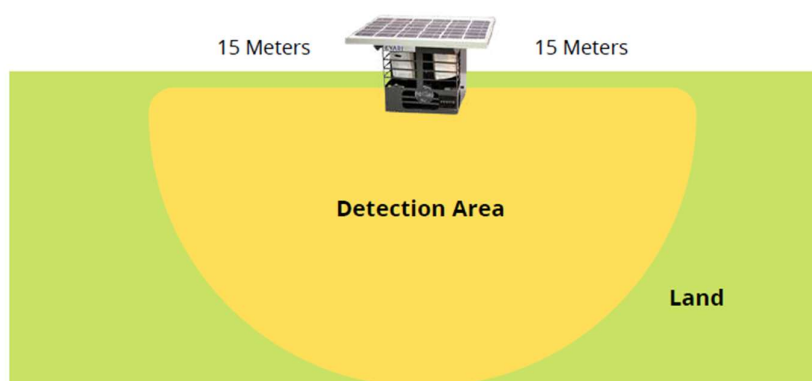


Fig.1. Picture of solar powered Animal detection and repellent system for indicative purpose only.

## 6. MARKING

Device shall be clearly engraved marked with following details by a 1mm stainless steel plate with black color background and grey foreground.

- Manufacturer's name
- Serial number
- Manufacturing month and year
- Property of TPSODL with LOGO
- Type/Model no.
- Supplied by:
- RC/PO no:

## 7. TESTS

All the Routine and acceptance tests shall be carried out in accordance with the relevant IS/IEC standards. All routine/acceptance tests shall be witnessed by the purchaser/his authorized representative. All the components shall be type tested as per the relevant standards.

### 7.1 ACCEPTANCE TESTS

- Physical dimensions
- Detection range verification

|                                                                                  |                                                     |                              |                                             |
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- Sound/light operation test
- Surface finish
- Sensor Range Accuracy
- Functional Test (Day/Night)

## 7.2 ROUTINE TESTS

- Alarm function integrity
- Solar charging efficiency
- Sensor detection triggering
- Battery performance and charge retention

## 7.3 TYPE TESTS

- Environmental endurance (humidity, heat)
- IP65 protection validation
- UV test

## 8. TYPE TEST CERTIFICATES

The bidder shall furnish the type test certificates of the individual component for the tests as mentioned as above as per the corresponding standards. All the tests shall be conducted by ERDA /CPRI/NABL/any approved labs as per the relevant standards. Type test should have been conducted in certified Test Laboratories during the period not exceeding 5 years from the date of opening the bid. In the event of any discrepancy in the test reports i.e. any test report not acceptable or any/all type tests (including additional type tests, if any) not carried out, same shall be carried out without any cost implication to TPSODL.

## 9. PRE-DISPATCH INSPECTION

Equipment shall be subjected to inspection by a duly authorized representative of TPSODL. Inspection may be made at any stage of manufacture at the discretion of the purchaser and the equipment, if found unsatisfactory as to workmanship or material, the same is liable to rejection. Bidder shall grant free access to the places of manufacture to TPSODL's representatives at all times when the work is in progress. Inspection by TPSODL or its authorized representatives shall not relieve the bidder of his obligation of furnishing equipment in accordance with the specifications. Material shall be dispatched after specific MDCC (Material Dispatch Clearance Certificate) is issued by TPSODL.

Following documents shall be sent along with material.

- Test reports
- MDCC issued by
- Invoice in duplicate
- Packing list
- Drawings & catalogue
- Guarantee / Warrantee card
- Delivery Challan
- Calibration Report of each item.
- Other Documents (as applicable)

|                                                                                  |                                                     |                              |                                             |
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#### 10.INSPECTION AFTER RECEIPT AT STORES

The material received at TPSODL, Berhampur, Odisha store will be inspected for acceptance and shall be liable for rejection, if found different from the reports of the pre-dispatch inspection and one copy of the report shall be sent to Engineering and contracts department.

#### 11.GUARANTEEE

Bidder shall stand guarantee towards design, materials, workmanship & quality of process / manufacturing of items under this contract for due and intended performance of the same, as an integrated product delivered under this contract. In the event any defect is found by the Company up to a period of at least 12 months from the date of commissioning or 24 months from the date of last supplies made under the contract whichever is earlier. In the event any defect is found by the Company up to a period of 12 months from the date of commissioning or 24months from the date of last supplies made under the contract, whichever is earlier, supplier shall be liable to undertake to replace/rectify such defects at his own costs.

#### 12.PACKING

Supplier shall ensure that the Equipment covered under this specification shall be prepared for rail/road transport and be packed in such a manner so as to protect the equipment from damage in transit. The material used for packing shall be environmentally friendly. The bidder shall provide instructions regarding handling and storage precautions to be taken at site.

#### 13.TENDER SAMPLE/DEMONSTRATION/TRAINING

The successful tenderer shall provide facilities for Demonstration of Completely function, Operation & material used in Animal Repellent device.

Vendor shall provide complete training to TPSODL personnel (field and technical staff) on the installation, operation, maintenance, and troubleshooting of the Animal Repellent device. The training shall be provided on-site or at a designated TPSODL location and shall cover all models supplied under the contract.

Training materials, manuals, and demonstration kits shall be provided free of cost by the vendor.

A detailed training schedule shall be submitted and mutually agreed upon after the award of contract.

Certification of training completion shall be issued to all participants.

#### 14.QUALITY CONTROL

The bidder shall submit with the offer Quality Assurance Plan indicating the various stages of inspection, the tests and checks which will be carried out on the material of construction, components during manufacture and bought out items and fully assembled component and equipment after finishing. As part of the plan, a schedule for stage and final inspection within the parameters of the delivery schedule shall be furnished. The Purchaser's engineer or its nominated representative shall have free access to the manufacturer's/sub-supplier's works to carry out inspections. The bidder shall ensure that the material supplied is as per the Guaranteed Technical Particulars as specified in the specifications.

#### 15.MINIMUM TESTING FACILITIES

Bidder shall have adequate in-house testing facilities for carrying out all routine tests & acceptance tests as per relevant International / Indian standards.

|                                                                                  |                                                     |                              |                                             |
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## 16.MANUFACTURING ACTIVITIES

The successful bidder will have to submit the bar chart for various manufacturing activities clearly elaborating each stage, with quantity. This bar chart should be in line with the Quality assurance plan submitted with the offer. This bar chart will have to be submitted within 15 days from the release of the order.

## 17.SPARES, ACCESSORIES AND TOOLS

NA

## 18.DRAWINGS AND DOCUMENTS

Following documents to be submitted along with the bid for evaluation:

- Completely filled–in clause wise compliance of this specification along with bid.
- Signed and stamped copy of Generalized drawing for Animal repellent device with Bill of Material
- Work Experience details
- Type test certificates.

Following drawings and documents shall be submitted in line with the requirement of Tender specifications:

- Completely filled–in clause wise compliance of this specification along with bid.
- Signed and stamped copy of Generalized drawing for Animal repellent device with Bill of Material
- Compliance of all undertaking submitted during technical evaluation

All the Documents and Drawings shall be in English Language.

CAT-A Approved GTP and Drawing 1 set of Hard Copy containing complete information about manufacturing shall be submitted.

## 19.GUARANTEED TECHNICAL PARTICULARS

Bidder to submit clause wise compliances.

## 20.SCHEDULE OF DEVIATIONS

All deviations from this specification shall be set out by the bidder, clause by clause in the below mentioned tabular format. Unless specifically mentioned in this schedule, the tender shall be deemed to confirm TPSODL's Specification.

| Sl. No. | Clause No. | Details of deviation with justifications |
|---------|------------|------------------------------------------|
|         |            |                                          |

We confirm that there are no deviations apart from those detailed above.

Seal of the Company

Signature

PO/SCHEME No. STANDARD

LEGEND:-

IMPORTANT NOTES:-  
1. All Dimensions are in mm.

TPSODL  
TATA POWER SOUTHERN ODISHA DISTRIBUTION LTD.

TITLE:-  
STANDARD DRAWING OF WARNING TAPE FOR 33KV  
CABLE LAYING IN EXCAVATED TRENCH

SHEET 1 of 1

DRAWN BY: SUSAN BISWAS (ENRGL)

CHECKED BY: JAYALAKSHY  
SINGH (ENRGL)

APPROVED BY: ASHOK KARAN

ISSUED BY: Dnyaneshwari Kumar-kundan Dhanadikhar

SCALE: NTS

ISSUE DT: 31/01/2025

DRAWING NO:TPSODL-SID-0065 REV NO: 01

REFERENCES:-  
1. IS 1255: 1983  
2. Central Electricity Authority (Measures relating to Safety and Electric  
Supply) Regulations, 2010.

150 MM

150 MM

DEEP RED COLOURED BACKGROUND  
LETTERING IN BLACK

DANGER 33000V TPSODL CABLE

ବିପଦ ୩୩୦୦୦ଭୋଲ୍ଟ ଟିପିଏକ୍ସଡିଏଲ କବେଲ୍

LDPE sheet of 100microns thick



| Provisional Vendor List for New connection/Deposit works for TPSODL August 2025 |                                             |                                                                 |                                                                                                                       |                                            |                          | <br>TP SOUTHERN ODISHA<br>DISTRIBUTION LIMITED<br>(A Joint Venture of Tata Power and Government of Odisha) |
|---------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr. No                                                                          | Description of Material/ Equipment          | Manufacturer Name                                               | Contact Address                                                                                                       | Contact Person                             | Contact No.              | Email ID                                                                                                                                                                                      |
| 1                                                                               | HT Outdoor Type Vacuum Circuit Breaker(VCB) | M/s CG Power & Industrial Solutions Ltd, Maharashtra            | A-3, MIDC, Pandavleni, Ambad, Nashik, Maharashtra                                                                     | Mr. Gaurav Dhikale                         | 9370417581               | <a href="mailto:gaurav.dhikale@cgglobal.com">gaurav.dhikale@cgglobal.com</a>                                                                                                                  |
|                                                                                 |                                             | M/s STELMEC Ltd.                                                | Palghar, Maharashtra, GAOTHAN PADA NO.2 SHED NO. 3,4 & 5 PALGHAR 401303                                               | Rajesh kr Sethi                            | 9934313940<br>7008851731 | <a href="mailto:rajesh.sethi@stelmec.com">rajesh.sethi@stelmec.com</a>                                                                                                                        |
|                                                                                 |                                             | M/s Schneider Electric Infrastructure Ltd,Bhubaneswar           | 14,Forest Park,Bhubaneswar-751009                                                                                     | Mr. Girija Patnaik                         | 9937062964               | <a href="mailto:girija.patnaik@schneiderelectric.com">girija.patnaik@schneiderelectric.com</a>                                                                                                |
|                                                                                 |                                             | BHEL                                                            | BHEL House, Siri Fort, New Delhi - 110049, India                                                                      | Mr. Bipul                                  | 7504663475               |                                                                                                                                                                                               |
|                                                                                 |                                             | M/s SIEMENS Ltd, Goa                                            | L-6,Verna Industrial Estate, Verna Salcete, Goa                                                                       | Mr. Utpal Roy                              | 9748255175               | <a href="mailto:utpal.roy@siemens.com">utpal.roy@siemens.com</a>                                                                                                                              |
| 2                                                                               | HT Indoor Type Vacuum Circuit Breaker(VCB)  | M/s ABB INDIA Ltd, Maharashtra                                  | Plot No.34, MIDC Industrial Area,Satpur, Nashik, Maharashtra                                                          | Mr. Saibal Majumdar                        | 9007000365               | <a href="mailto:saibal.majumdar@in.abb.com">saibal.majumdar@in.abb.com</a>                                                                                                                    |
|                                                                                 |                                             | M/s ABB INDIA Ltd, Maharashtra                                  | Plot No.34, MIDC Industrial Area,Satpur, Nashik, Maharashtra                                                          | Mr. Saibal Majumdar                        | 9007000365               | <a href="mailto:saibal.majumdar@in.abb.com">saibal.majumdar@in.abb.com</a>                                                                                                                    |
|                                                                                 |                                             | M/s CG Power & Industrial Solutions Ltd, Maharashtra            | A-3, MIDC, Pandavleni, Ambad, Nashik, Maharashtra                                                                     | Mr. Gaurav Dhikale                         | 9370417581               | <a href="mailto:gaurav.dhikale@cgglobal.com">gaurav.dhikale@cgglobal.com</a>                                                                                                                  |
|                                                                                 |                                             | BHEL                                                            | BHEL House, Siri Fort, New Delhi - 110049, India                                                                      | Mr. Bipul                                  | 7504663475               |                                                                                                                                                                                               |
|                                                                                 |                                             | M/s SIEMENS Ltd, Goa                                            | L-6,Verna Industrial Estate, Verna Salcete, Goa                                                                       | Mr. Utpal Roy                              | 9748255175               | <a href="mailto:utpal.roy@siemens.com">utpal.roy@siemens.com</a>                                                                                                                              |
| 3                                                                               | 33 kV Ring Main Unit                        | M/s Schneider Electric Infrastructure Ltd,Bhubaneswar           | 14,Forest Park,Bhubaneswar-751009                                                                                     | Mr. Girija Patnaik                         | 9937062964               | <a href="mailto:girija.patnaik@schneiderelectric.com">girija.patnaik@schneiderelectric.com</a>                                                                                                |
|                                                                                 |                                             | M/s Lucy Electric India Pvt Ltd, Maharashtra                    | H-21, MIDC Ambad, Nashik, Maharashtra                                                                                 | Mr. Pratap Throat                          | 9960867888               | <a href="mailto:Pratap.Thorat@lucyelectric.com">Pratap.Thorat@lucyelectric.com</a>                                                                                                            |
|                                                                                 |                                             | M/s ABB INDIA Ltd, Maharashtra                                  | Nashik, Maharashtra                                                                                                   | Mr. Saibal Majumdar                        | 9007000365               | <a href="mailto:saibal.majumdar@in.abb.com">saibal.majumdar@in.abb.com</a>                                                                                                                    |
|                                                                                 |                                             | C-sec Technologies Pvt. Ltd.                                    | C-Sec Technologies Pvt. Ltd.<br>Plot No.-10, Sector - 11, IIE, Ranipur, Haridwar, Uttarakhand, India, Pin Code-249403 | Ankur Guha Thakurta                        | 9831689754               | <a href="mailto:ankur.g@c-sec.co.in">ankur.g@c-sec.co.in</a>                                                                                                                                  |
|                                                                                 |                                             | M/s SIEMENS Ltd, Goa                                            | L-6,Verna Industrial Estate, Verna Salcete, Goa                                                                       | Mr. Utpal Roy                              | 9748255175               | <a href="mailto:utpal.roy@siemens.com">utpal.roy@siemens.com</a>                                                                                                                              |
| 4                                                                               | 11 kV Ring Main Unit                        | M/s Schneider Electric Infrastructure Ltd,Bhubaneswar           | 14,Forest Park,Bhubaneswar-751009                                                                                     | Mr. Girija Patnaik                         | 9937062964               | <a href="mailto:girija.patnaik@schneiderelectric.com">girija.patnaik@schneiderelectric.com</a>                                                                                                |
|                                                                                 |                                             | M/s Eaton Power Quality Pvt Ltd                                 | EVR Street, Sedarapet, Pondicherry                                                                                    | Mr. Pritam Maiti<br>Mr. Swarnadi Mukherjee | 7291029069<br>9007026607 | <a href="mailto:PRITAMKMaiti@eaton.com">PRITAMKMaiti@eaton.com</a><br><a href="mailto:swarnadiomukherjee@eaton.com">swarnadiomukherjee@eaton.com</a>                                          |
|                                                                                 |                                             | C-sec Technologies Pvt. Ltd.                                    | C-Sec Technologies Pvt. Ltd.<br>Plot No.-10, Sector - 11, IIE, Ranipur, Haridwar, Uttarakhand, India, Pin Code-249403 | Ankur Guha Thakurta                        | 9831689754               | <a href="mailto:ankur.g@c-sec.co.in">ankur.g@c-sec.co.in</a>                                                                                                                                  |
|                                                                                 |                                             | M/s Lucy Electric India Pvt Ltd, Maharashtra                    | H-21, MIDC Ambad, Nashik, Maharashtra                                                                                 | Mr. Pratap Throat                          | 9960867888               | <a href="mailto:Pratap.Thorat@lucyelectric.com">Pratap.Thorat@lucyelectric.com</a>                                                                                                            |
|                                                                                 |                                             | M/s ABB INDIA Ltd, Maharashtra                                  | Plot No.79,Street No. 17, MIDC Industrial Area,Satpur, Nashik, Maharashtra                                            | Mr. Saibal Majumdar                        | 9007000365               | <a href="mailto:saibal.majumdar@in.abb.com">saibal.majumdar@in.abb.com</a>                                                                                                                    |
| 5                                                                               | HT 630 KVA CSS                              | M/s SIEMENS Ltd, Goa                                            | L-6,Verna Industrial Estate, Verna Salcete, Goa                                                                       | Mr. Utpal Roy                              | 9748255175               | <a href="mailto:utpal.roy@siemens.com">utpal.roy@siemens.com</a>                                                                                                                              |
|                                                                                 |                                             | M/s Eaton Power Quality Pvt Ltd,Pondichery                      | EVR Street, Sedarapet, Pondicherry                                                                                    | Mr. Pritam Maiti<br>Mr. Swarnadi Mukherjee | 7291029069<br>9007026607 | <a href="mailto:PRITAMKMaiti@eaton.com">PRITAMKMaiti@eaton.com</a><br><a href="mailto:swarnadiomukherjee@eaton.com">swarnadiomukherjee@eaton.com</a>                                          |
|                                                                                 |                                             | M/s Sudhir Power, Haryana                                       | Plot No. 92, Sector - 8, IMT Manesar, Gurgaon – 122 050, Haryana, India                                               | Mr. Amit S Rana                            | 7906917260               | <a href="mailto:amitsrana@sudhirpower.com">amitsrana@sudhirpower.com</a>                                                                                                                      |
|                                                                                 |                                             | M/s CONQUERENT                                                  | MADHU - Corporate Office<br>62 Rani Jhansi Road New Delhi 110055<br>(+91-11) 43568604-05-06                           | Madhu group                                | 8130211880-84            | <a href="mailto:sales@ConQuerent.IN">sales@ConQuerent.IN</a><br><a href="mailto:info@ConQuerent.IN">info@ConQuerent.IN</a>                                                                    |
|                                                                                 |                                             |                                                                 |                                                                                                                       |                                            |                          |                                                                                                                                                                                               |
| 6                                                                               | 11/0.4KV DTR: 25,63,100,250,500 KVA         | M/s Maa Durga Transformer                                       | At/P.O. Tankua, Jeypore, Dist: Koraput-764003                                                                         | Pradip Ray                                 | 9861154498               | <a href="mailto:mdt19881@gmail.com">mdt19881@gmail.com</a>                                                                                                                                    |
|                                                                                 | 11/0.4KV DTR: 25,63,100,250,500,1250 KVA    | M/s Alfa Transformers Ltd,Bhubaneswar                           | Plot No.3337,Mancheswar Industrial Estate,Rasulgarh,Bhubaneswar,Odisha                                                | Mr.Debasis Das                             | 9437007700               | <a href="mailto:debasis.das@alfa.in">debasis.das@alfa.in</a><br><a href="mailto:sales@alfa.in">sales@alfa.in</a><br><a href="mailto:info@alfa.in">info@alfa.in</a>                            |
|                                                                                 | 11/0.4KV DTR: 25,63,100,250,500 KVA         | M/s Neelata Transformer                                         | Dangaguda, Jeypore, Odisha-764001                                                                                     | Truptiranjana Sahoo                        | 9437077016/ 9437312727   | <a href="mailto:neelataragroup@gmail.com">neelataragroup@gmail.com</a>                                                                                                                        |
|                                                                                 | 11/0.4KV DTR: 25,63,100,250,500 KVA         | M/s Siliguri Works                                              | Khaprail Road, Siliguri, Darjeeling, West Bengal- 764010                                                              | Lanan Prasad Singh                         | 9733309977<br>9832672470 | <a href="mailto:contact.sew@gmail.com">contact.sew@gmail.com</a>                                                                                                                              |
|                                                                                 | 11/0.4KV DTR: 25,63,100 KVA                 | M/s United Electrical & Engineering Pvt. Ltd                    | NH-16, Ankuli, Berhampur, Ganjam, Odisha-760010                                                                       | Padip Kumar Nayak                          | 9937004008 / 9337337700  | <a href="mailto:unitedorissa@yahoo.in">unitedorissa@yahoo.in</a>                                                                                                                              |
|                                                                                 | 11/0.4KV DTR: 25,63,100,250,500 KVA         | M/s Shirdi Sai Electricals Limited                              | 3rd Floor, Green Land Road, G Pulla Reddy Building, Begumpet Hyderabad, Telangana- 500016                             | Mr.K Kiran Kumar                           | 7799885809               | <a href="mailto:marketing@ssel.in">marketing@ssel.in</a>                                                                                                                                      |
|                                                                                 | 11/0.4KV DTR: 25,63,100,250,500 KVA         | M/s Orissa Transformers Pvt. Ltd.,Bhubaneswar                   | 53/73, Sector-A, Zone-B, Mancheswar Industrial Estate, Bhubaneswar-751010                                             | Mr. Jiban Kumar Badu                       | 9437307224<br>8328838815 | <a href="mailto:otplkb@gmail.com">otplkb@gmail.com</a>                                                                                                                                        |
|                                                                                 | 11/0.4KV DTR: 25,63,100 KVA                 | M/s Suvam Transmission Pvt Ltd, Bhubaneswar                     | Kesura, Jharpada, Bhubaneswar,Odisha                                                                                  | Mr.Harihar Parida                          | 9090968905               | <a href="mailto:stpl.bhubaneswar@gmail.com">stpl.bhubaneswar@gmail.com</a>                                                                                                                    |
|                                                                                 | 11/0.4KV DTR: 25,63,100,250 KVA             | M/s Gram Tarang Employability Training Services Pvt Ltd, Khurda | Jatani, Khurda,Odisha                                                                                                 | Mr. Manoj Kumar Nayak                      | 9338123532               | <a href="mailto:manoj.nayak@gramtarang.org.in">manoj.nayak@gramtarang.org.in</a>                                                                                                              |
|                                                                                 | 11/0.4KV DTR: 25,63,100,250 & 500 KVA       | M/s Orissa Engineering Udyog Pvt. Ltd,Jagatpur,Cuttack          | At-53/17,Jagatpur Industrial Estate,Phase-3,Jagatpur,Cuttack,Odisha                                                   | Er. W. Z. Khan                             | 9861050293<br>9238412786 | <a href="mailto:oeu_wzk2003@yahoo.com">oeu_wzk2003@yahoo.com</a> <a href="mailto:oeu.groups@gmail.com">oeu.groups@gmail.com</a>                                                               |
|                                                                                 | 11/0.4KV DTR: 25,63,100,250 KVA             | M/s Power Linc Transformer Pvt Ltd,Bhubaneswar                  | Mancheswar,Bhubaneswar                                                                                                | Mr.K C Mishra                              | 9437025806               | <a href="mailto:powerlinc.bbsr@gmail.com">powerlinc.bbsr@gmail.com</a>                                                                                                                        |
|                                                                                 | 11/0.4KV DTR: 25,63,100 KVA                 | M/s Powertech & Technology,Cuttack                              | IDCO Plot No.80/O,Phase-III ,New I.E,Jagatpur,Cuttack,Odisha                                                          | Mr.Debasis Bhoi                            | 9437120176<br>9437339639 | <a href="mailto:powertechtechnology25@gmail.com">powertechtechnology25@gmail.com</a>                                                                                                          |





| Provisional Vendor List for New connection/Deposit works for TPSODL |                                                                   |                                                                        |                                                                                                                |                                           |                          | <br>TP SOUTHERN ODISHA<br>DISTRIBUTION LIMITED<br>(A Joint Venture of Tata Power and Government of Odisha)    |
|---------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr. No                                                              | Description of Material/ Equipment                                | Manufacturer Name                                                      | Contact Address                                                                                                | Contact Person                            | Contact No.              | Email ID                                                                                                                                                                                         |
|                                                                     | 11/0.4KV DTR:<br>25,63,100,160,250,315,500 KVA                    | M/s Apolo Transformer, Cuttack                                         | Balisahi, Khapuria (OGP), Cuttack                                                                              | Mr. Samir Mohan Das                       | 9439551221<br>9437027885 | <a href="mailto:apolotransformer@gmail.com">apolotransformer@gmail.com</a>                                                                                                                       |
|                                                                     | 11/0.4KV DTR: 25,63,100 KVA                                       | M/s Akhandalamani Electricals & Constructions, Cuttack                 | Kuspangi, Cuttack, Odisha                                                                                      | Mr. Prabhat Kumar Rout                    | 9438873224               | <a href="mailto:pravat@aecinfrastucture.com">pravat@aecinfrastucture.com</a>                                                                                                                     |
|                                                                     | 11/0.4KV DTR:<br>25,63,100,250 KVA<br>11/0.240KV DTR: 16 KVA      | M/s Orissa Industrial Equipments Pvt. Ltd., Bhubaneswar                | Plot no S/72, Sec A, Zone A, Mancheswar Industrial State, Bhubaneswar, Odisha                                  | Mr. Jiban Kumar Badu                      | 9437307224               | <a href="mailto:pieplsb@gmail.com">pieplsb@gmail.com</a>                                                                                                                                         |
|                                                                     | 11/0.4KV DTR:<br>25,63,100,250 & 500KVA<br>11/0.240KV DTR: 16 KVA | M/s Microtek Transformers Pvt Ltd, Balasore                            | Kuruda, (NH-5), Near Kuruda Flyover, Balasore                                                                  | Mr. Rajiv Shah<br>Mr. Alok Ranjan Mallick | 9437066509<br>9439841872 | <a href="mailto:menterprises761@gmail.com">menterprises761@gmail.com</a><br><a href="mailto:microtek_trans@yahoo.com">microtek_trans@yahoo.com</a>                                               |
|                                                                     | 11/0.4KV DTR:<br>25,63,100,250,500 KVA                            | M/s Synergy Power Equipment Pvt Ltd, Jamshedpur                        | Road#17, Jawahar Nagar, Mango, Jamshedpur-831020 Jharkhand                                                     | Mrs. Sangeeta Yadav                       | 7485093673               | <a href="mailto:synergypower18@yahoo.com">synergypower18@yahoo.com</a>                                                                                                                           |
|                                                                     | 11/0.4KV DTR:<br>25,63,250,500 KVA<br>11/0.240KV DTR: 16,25 KVA   | M/s Toshiba T & D Systems (India) Pvt Ltd, Telangana                   | Rudramam, Patancheru Mandal, Sangareddy District, Telangana-502329                                             | Mr. T Dhanraj                             | 9573377652               | <a href="mailto:srinikhitha.durgempudi@toshiba-ttdi.com">srinikhitha.durgempudi@toshiba-ttdi.com</a><br><a href="mailto:mahesh.katepalli@toshiba-ttdi.com">mahesh.katepalli@toshiba-ttdi.com</a> |
| 7                                                                   | HT Polymer Pin & Disc Insulator                                   | M/s Rashtriya Electricals & Engineering Corporation Pvt Ltd, Ghaziabad | C-2-3, Sector-A-3, Tronica City, Ghaziabad, Uttar Pradesh                                                      | Mr. Sanjeev Goyal Mr. Lalit               | 8048409175<br>8860040606 | <a href="mailto:jalit@rashtrivaelectrical.com">jalit@rashtrivaelectrical.com</a>                                                                                                                 |
|                                                                     |                                                                   | M/s SUN Kouture LLP                                                    | Khasara No. 1300 MI behind Shiv pottery GT Road, Near BSNL SDO office, Neherupur, Khurja PIN- 203131 BSR (U.P) | SUN Kouture LLP                           | 9871644666               | <a href="mailto:sunkouturellp@gmail.com">sunkouturellp@gmail.com</a>                                                                                                                             |
|                                                                     |                                                                   | M/s Hindustan Chemicals, Khurja, UP                                    | NH-91, G.T Road, Near Telephone Exchange, Khurja, Uttar Pradesh-203131                                         | Mr. Shomil Gupta                          | 9690011869<br>9837057759 | <a href="mailto:sales@hindustanchemicals.com">sales@hindustanchemicals.com</a>                                                                                                                   |
|                                                                     |                                                                   | M/s Hobb International, Howrah                                         | Jalan Complex, Howrah, West Bengal                                                                             | Mr. Pratik Hore Mr. Vedant Balasaria      | 8017733646<br>9830079313 | <a href="mailto:ketul@scenariopower.com">ketul@scenariopower.com</a><br><a href="mailto:scenario.power@gmail.com">scenario.power@gmail.com</a>                                                   |
|                                                                     |                                                                   | M/s Scenario Powertech Pvt Ltd, Gujrat                                 | Survey No.82/P, Gambhirpura, Vavdi-Harsol Road, Talod, Sabarkantha, Gujarat, India-383305                      | Mr. Ketul Patel Mr. Yashdip Patel         | 9925246612<br>9898137221 | <a href="mailto:arnab.adinathindus@gmail.com">arnab.adinathindus@gmail.com</a><br><a href="mailto:info@primeinsulators.com">info@primeinsulators.com</a>                                         |
|                                                                     |                                                                   | M/s Adinath Industries, Rajasthan                                      | Plot No. E-45(G-2), RICCO Ind. Area, Khushkhhera, Bhiwadi, Dist. Alwar, Rajasthan- 301019 (INDIA)              | Mr. Arnab Mitra                           | 9830195664               | <a href="mailto:arnab.adinathindus@gmail.com">arnab.adinathindus@gmail.com</a>                                                                                                                   |
|                                                                     |                                                                   | M/s Prime Insulators Pvt Ltd, Gujarat                                  | Ceramic Zone, Block no. 134/P2, Dulpur, TA Prantij, Sabarkantha, Gujarat, INDIA (383 120).                     | Mr. Mohan Krishna                         | 9925237312<br>9879521374 | <a href="mailto:info@primeinsulators.com">info@primeinsulators.com</a><br><a href="mailto:sales@primeinsulators.com">sales@primeinsulators.com</a>                                               |
|                                                                     |                                                                   | M/s Ele Chem Systems Pvt. Ltd, Punjab                                  | Plot No:- 524-525, Phase - IX, Industrial Area, Mohali, Punjab-160062 (India)                                  | M/s Neha                                  | 8872080082               | <a href="mailto:elesystems1@gmail.com">elesystems1@gmail.com</a><br><a href="mailto:elechemindia123@gmail.com">elechemindia123@gmail.com</a>                                                     |
|                                                                     |                                                                   | M/s Jainco Transmission Ltd, Howrah                                    | Jalan Complex, Gate No. 1, Lane No. 7, NH-6, Howrah, West Bengal                                               | Mr. Pratul Ghosh                          | 9831607956               | <a href="mailto:engg@jainco.net">engg@jainco.net</a>                                                                                                                                             |
|                                                                     |                                                                   | M/s Prithvi Industries Pvt. Ltd., Howrah                               | PB Samaddar Industrial Area, Vill: Ruia, Mouza: Popatulia, 24 North Parganas, Kolkata, West Bengal-700119      | Mr. Sanjib Kumar Pal                      | 9438344128               | <a href="mailto:inquiry.prithvi@gmail.com">inquiry.prithvi@gmail.com</a>                                                                                                                         |
| 8                                                                   | 12KV, 10KA Polymeric Lighting Arrestor                            | M/s Elektrolites Power Pvt Ltd, Jaipur                                 | E-148 to 150, RIICO Industrial Area, Bagru, Jaipur, Rajasthan-302007                                           | Ms. Alisha Garg                           | 8696948980               | <a href="mailto:alisha.garg@elektrolites.com">alisha.garg@elektrolites.com</a>                                                                                                                   |
|                                                                     |                                                                   | M/s Engineer Enterprise, Rajasthan                                     | F-112, RIICO Industrial Area Extn., Phase-2, Bagru, Jaipur, Rajasthan                                          | Mr. Hari                                  | 8058191595               | <a href="mailto:marketing@eeenterprise.in">marketing@eeenterprise.in</a>                                                                                                                         |
|                                                                     |                                                                   | M/s New Aquaria Electech Pvt. Ltd., Telangana                          | Plot No.30, Kucharam Industrial Park, Toopran, Mandal, Medak, Telangana                                        | Mr. Karthik C Mr. Raghabendra             | 8806667604<br>9538880209 | <a href="mailto:sales@newaquariaelectech.com">sales@newaquariaelectech.com</a><br><a href="mailto:raghu@newaquariaelectech.com">raghu@newaquariaelectech.com</a>                                 |
|                                                                     |                                                                   | M/s Oblum Electrical Industries Pvt Ltd, Hyderabad                     | A-16&17, Assisted Private Industrial Estate, Balanagar, Hyderabad, Telangana-500037                            | Mr. Prasanna                              | 9666218445               | <a href="mailto:sales@oblum.co.in">sales@oblum.co.in</a> technical@oblum.co.in<br><a href="mailto:prasanna@oblum.co.in">prasanna@oblum.co.in</a>                                                 |
|                                                                     |                                                                   | M/s Orange Power T&D Equipments(P) Ltd, Bangalore                      | # 2, SSI Area, 1st Cross, Rajaji Nagar, Bangalore, Karnataka                                                   | Mr. Chetan Bhurat                         | 9980533011               | <a href="mailto:sales@orangepower.co.in">sales@orangepower.co.in</a>                                                                                                                             |
|                                                                     |                                                                   | M/s SHREE RADHE INDUSTRIES                                             | Plot no -86, Alindra GIDC, Manjusar, Ta-Savli, Dist-Vadodara-391775, Mob: 9879978170                           | 1. Mr. Anurag Jha                         | 6351323319<br>9983520057 | <a href="mailto:sales@shreeradheindustries.com">sales@shreeradheindustries.com</a>                                                                                                               |
| 9                                                                   | 30KV, 10KA Polymeric Lighting Arrestor                            | M/s Elektrolites Power Pvt Ltd, Jaipur                                 | E-148 to 150, RIICO Industrial Area, Bagru, Jaipur, Rajasthan-302007                                           | Ms. Alisha Garg                           | 8696948980               | <a href="mailto:alisha.garg@elektrolites.com">alisha.garg@elektrolites.com</a>                                                                                                                   |
|                                                                     |                                                                   | M/s Engineer Enterprise, Rajasthan                                     | F-112, RIICO Industrial Area Extn., Phase-2, Bagru, Jaipur, Rajasthan                                          | Mr. Hari                                  | 8058191595               | <a href="mailto:marketing@eeenterprise.in">marketing@eeenterprise.in</a>                                                                                                                         |
|                                                                     |                                                                   | M/s Oblum Electrical Industries Pvt Ltd, Hyderabad                     | A-16&17, Assisted Private Industrial Estate, Balanagar, Hyderabad, Telangana-500037                            | Mr. Prasanna                              | 9666218445               | <a href="mailto:sales@oblum.co.in">sales@oblum.co.in</a> technical@oblum.co.in<br><a href="mailto:prasanna@oblum.co.in">prasanna@oblum.co.in</a>                                                 |
|                                                                     |                                                                   | M/s New Aquaria Electech Pvt. Ltd., Telangana                          | Plot No.30, Kucharam Industrial Park, Toopran, Mandal, Medak, Telangana                                        | Mr. Karthik C Mr. Raghabendra             | 8806667604<br>9538880209 | <a href="mailto:sales@newaquariaelectech.com">sales@newaquariaelectech.com</a><br><a href="mailto:raghu@newaquariaelectech.com">raghu@newaquariaelectech.com</a>                                 |
|                                                                     |                                                                   | M/s SHREE RADHE INDUSTRIES                                             | Plot no -86, Alindra GIDC, Manjusar, Ta-Savli, Dist-Vadodara-391775, Mob: 9879978170                           | 1. Mr. Anurag Jha                         | 6351323319<br>9983520057 | <a href="mailto:sales@shreeradheindustries.com">sales@shreeradheindustries.com</a>                                                                                                               |
|                                                                     |                                                                   | M/s Orange Power T&D Equipments(P) Ltd, Bangalore                      | 1st Cross Small Scale Industrial Area, Rajajinagar, Bangalore -560010 Phone-23356615                           | Mr. Chetan Bhura                          | 9980533011               | <a href="mailto:orange.power@rediffmail.com">orange.power@rediffmail.com</a>                                                                                                                     |
|                                                                     |                                                                   | M/s Ultima Switchgears Ltd., Noida                                     | F-6/F-7, UPIIDC, Surajpur Industrial Area, Greater Noida, UP-201336                                            | Mr. Vansh Parmar                          | 9582221901<br>9953233568 | <a href="mailto:vdp@ultimaswitchgear.com">vdp@ultimaswitchgear.com</a>                                                                                                                           |
|                                                                     |                                                                   | M/s Panchkari Kayal & Co, Howrah                                       | Balitkuri, Surkumill, Howrah, West Bengal-711113                                                               | Mr. Sandip Hazra                          | 9831429252<br>8585068611 | <a href="mailto:info.panchkari@gmail.com">info.panchkari@gmail.com</a>                                                                                                                           |
|                                                                     |                                                                   | M/s High Tension Electrical Equipments Pvt. Ltd, Howrah                | 101, C Road, Belgachia, Dasnagar, Howrah, West Bengal                                                          | Mr. Kaushik Das                           | 9831906005               | <a href="mailto:comml@hightension.in">comml@hightension.in</a>                                                                                                                                   |



| Provisional Vendor List for New connection/Deposit works for TPSODL |                                                              |                                                          |                                                                                               |                                           |                                  | <br>TP SOUTHERN ODISHA<br>DISTRIBUTION LIMITED<br>(A Joint Venture of Tata Power and Government of Odisha) |
|---------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr. No                                                              | Description of Material/ Equipment                           | Manufacturer Name                                        | Contact Address                                                                               | Contact Person                            | Contact No.                      | Email ID                                                                                                                                                                                      |
| 10                                                                  | 11 KV Polymer type AB Switch & HG FUSE                       | M/s Sigma Power Industries, Cuttack                      | Plot no-18, Low Laying Area, Industrial Estate, Khapuria, Madhupatna, Cuttack, 753010, Odisha | Mr. Debankar Biswal                       | 9755550290                       | <a href="mailto:sigmapower2020@gmail.com">sigmapower2020@gmail.com</a>                                                                                                                        |
|                                                                     |                                                              | M/s Indian Power Industries, Cuttack                     | Jhikiria, 42 Mouza, Cuttack, Odisha- 754112                                                   | Mr. Bholanath Patra                       | 9937091838<br>7978602614         | <a href="mailto:indianpower123@gmail.com">indianpower123@gmail.com</a>                                                                                                                        |
|                                                                     |                                                              | M/s National Casting & Engineering Co., Cuttack          | Nayabazar, Cuttack, Odisha- 753004                                                            | Mr. Amit Dingal<br>Mr. Salil Kumar Dingal | 9937444762<br>7008811568         | <a href="mailto:salil_switchgear@rediffmail.com">salil_switchgear@rediffmail.com</a><br><a href="mailto:ncec1986@gmail.com">ncec1986@gmail.com</a>                                            |
|                                                                     |                                                              | M/s BAID ELECTRICALS                                     | 32, EZRA STREET ,SOUTH BLOCK , 8TH FLOOR. ROOM NO. 812 A KOLKATA-700001                       | Mr. PRAVEEN KR. BAID                      | M- 09432210061<br>M- 09831483305 | <a href="mailto:BaidElectricals&lt;baidelctricals@yahoo.com&gt;">Baid Electricals &lt;baidelctricals@yahoo.com&gt;</a>                                                                        |
|                                                                     |                                                              | M/s Pramoda Engineering Works                            | S3/12, Phase-2, New industrial Estate, Jagatpur, Cuttack, Pin 754021 odisha.                  | Mr. Rakesh malla.                         | 9078071194<br>9437975180         | <a href="mailto:pramodaengineeringworks@yahoo.in">pramodaengineeringworks@yahoo.in</a>                                                                                                        |
|                                                                     |                                                              | M/s Kishan Enterprises                                   | 115, Mahatma Gandhi Road, Kolkata 700007                                                      | Mr. Kishan Jhunjunwala                    | 7044360716<br>9831163516         | <a href="mailto:kishanenterprises@hotmail.com">kishanenterprises@hotmail.com</a>                                                                                                              |
| 11                                                                  | 33 KV Polymer type AB Switch & HG FUSE                       | M/s Sigma Power Industries, Cuttack                      | Plot no-18, Low Laying Area, Industrial Estate, Khapuria, Madhupatna, Cuttack, 753010, Odisha | Mr. Debankar Biswal                       | 9755550290                       | <a href="mailto:sigmapower2020@gmail.com">sigmapower2020@gmail.com</a>                                                                                                                        |
|                                                                     |                                                              | M/s Ultima Switchgears Ltd., Noida                       | F-6/F-7, UPIIDC, Surajpur Industrial Area, Greater Noida, UP-201336                           | Mr. Vansh Parmar                          | 9582221901<br>9953233568         | <a href="mailto:vdp@ultimaswitchgear.com">vdp@ultimaswitchgear.com</a>                                                                                                                        |
|                                                                     |                                                              | M/s Panchkari Kayal & Co, Howrah                         | Balitkuri, Surkumill, Howrah, West Bengal-711113                                              | Mr. Sandip Hazra                          | 9831429252<br>8585068611         | <a href="mailto:info.panchkari@gmail.com">info.panchkari@gmail.com</a>                                                                                                                        |
|                                                                     |                                                              | M/s High Tension Electrical Equipments Pvt. Ltd, Howrah  | 101, C Road, Belgachia, Dasnagar, Howrah, West Bengal                                         | Mr. Kaushik Das                           | 9831906005                       | <a href="mailto:comm1@hightension.in">comm1@hightension.in</a>                                                                                                                                |
|                                                                     |                                                              | M/s Indian Power Industries, Cuttack                     | Jhikiria, 42 Mouza, Cuttack, Odisha- 754112                                                   | Mr. Bholanath Patra                       | 9937091838<br>7978602614         | <a href="mailto:indianpower123@gmail.com">indianpower123@gmail.com</a>                                                                                                                        |
|                                                                     |                                                              | M/s National Casting & Engineering Co., Cuttack          | Nayabazar, Cuttack, Odisha- 753004                                                            | Mr. Amit Dingal<br>Mr. Salil Kumar Dingal | 9937444762<br>7008811568         | <a href="mailto:salil_switchgear@rediffmail.com">salil_switchgear@rediffmail.com</a><br><a href="mailto:ncec1986@gmail.com">ncec1986@gmail.com</a>                                            |
|                                                                     |                                                              | M/s BAID ELECTRICALS                                     | 32, EZRA STREET ,SOUTH BLOCK , 8TH FLOOR. ROOM NO. 812 A KOLKATA-700001                       | Mr. PRAVEEN KR. BAID                      | M- 09432210061<br>M- 09831483305 | <a href="mailto:BaidElectricals&lt;baidelctricals@yahoo.com&gt;">Baid Electricals &lt;baidelctricals@yahoo.com&gt;</a>                                                                        |
|                                                                     |                                                              | M/s Kishan Enterprises                                   | 115, Mahatma Gandhi Road, Kolkata 700007                                                      | Mr. Kishan Jhunjunwala                    | 7044360716<br>9831163516         | <a href="mailto:kishanenterprises@hotmail.com">kishanenterprises@hotmail.com</a>                                                                                                              |
| 12                                                                  | 33 kV Isolator 400/630/800/1250A with & without Earth Switch | M/s. High Tension Electrical Equipments Pvt. Ltd, Howrah | 101, C Road, Belgachia, Dasnagar, Howrah, West Bengal                                         | Mr. Kaushik Das                           | 9831906005                       | <a href="mailto:comm1@hightension.in">comm1@hightension.in</a>                                                                                                                                |
|                                                                     |                                                              | M/s Ultima Switchgears Ltd., Noida                       | F-6/F-7, UPIIDC, Surajpur Industrial Area, Greater Noida, UP-201336                           | Mr. Vansh Parmar                          | 9582221901<br>9953233568         | <a href="mailto:vdp@ultimaswitchgear.com">vdp@ultimaswitchgear.com</a>                                                                                                                        |
|                                                                     |                                                              | M/s Panchkari Kayal & Co, Howrah                         | Balitkuri, Surkumill, Howrah, West Bengal-711113                                              | Mr. Sandip Hazra                          | 9831429252<br>8585068611         | <a href="mailto:info.panchkari@gmail.com">info.panchkari@gmail.com</a>                                                                                                                        |
| 13                                                                  | 11kV Isolator 400/630/800/1250A with & without Earth Switch  | M/s Panchkari Kayal & Co, Howrah                         | Balitkuri, Surkumill, Howrah, West Bengal-711113                                              | Mr. Sandip Hazra                          | 9831429252<br>8585068611         | <a href="mailto:info.panchkari@gmail.com">info.panchkari@gmail.com</a>                                                                                                                        |
|                                                                     |                                                              | M/s. High Tension Electrical Equipments Pvt. Ltd, Howrah | 101, C Road, Belgachia, Dasnagar, Howrah, West Bengal                                         | Mr. Kaushik Das                           | 9831906005                       | <a href="mailto:comm1@hightension.in">comm1@hightension.in</a>                                                                                                                                |
|                                                                     |                                                              | M/s Ultima Switchgears Ltd., Noida                       | F-6/F-7, UPIIDC, Surajpur Industrial Area, Greater Noida, UP-201336                           | Mr. Vansh Parmar                          | 9582221901<br>9953233568         | <a href="mailto:vdp@ultimaswitchgear.com">vdp@ultimaswitchgear.com</a>                                                                                                                        |
| 14                                                                  | LT XLPE AB Cable                                             | M/s Paramount Communications Ltd, Haryana                | Plot No.37, Industrial Estate, Dharuhera, Rewari, Haryana-123106                              | Mr. Manoj Verma                           | 9958898025                       | <a href="mailto:manoj@paramountcables.com">manoj@paramountcables.com</a>                                                                                                                      |
|                                                                     |                                                              | M/s Akhandalamani Electricals & Constructions, Cuttack   | Kuspangi, Cuttack, Odisha                                                                     | Mr. Prabhat Kumar Rout                    | 9438873224                       | <a href="mailto:pravat@aecinfrastucture.com">pravat@aecinfrastucture.com</a><br><a href="mailto:info@aecgroup.in">info@aecgroup.in</a>                                                        |
|                                                                     |                                                              | M/s Jain Associates                                      | VILL. BAHADURPUR, P.O. NAGAL KHAJURI-135001, YAMUNANAGAR, HARYANA, INDIA                      | Mr. Kamal Jain<br>Mr. Gagan madiya        | 8930330018<br>9315526641         | <a href="mailto:officejainassociates@gmail.com">officejainassociates@gmail.com</a>                                                                                                            |
|                                                                     |                                                              | M/s Ravi Industries                                      | SECTOR-53, PHASE-3, KUNDLI, SONIPAT HARYANA-131028                                            | Mr. Deepak Goyal                          | 9810019276                       | <a href="mailto:tendermarketing1@deegeelitecables.com">tendermarketing1@deegeelitecables.com</a><br><a href="mailto:deepakgoyal@deegeelitecables.com">deepakgoyal@deegeelitecables.com</a>    |
|                                                                     |                                                              | M/s Laser Power & Infra Pvt Ltd, Howrah                  | AT/P.O. : NH-6, Polypark, Dhulagore, Howrah-711302                                            | Mr. Aniruddha Banerjee Mr. Sujib Goswami  | 9674763567<br>9674761456         | <a href="mailto:lab.poly2016@gmail.com">lab.poly2016@gmail.com</a><br><a href="mailto:sales@laserpowerinfra.com">sales@laserpowerinfra.com</a>                                                |
|                                                                     |                                                              | M/s Dynamic Cables Ltd, Jaipur                           | F-260, Road No. 13, VKIA, Jaipur - 302013                                                     | Mr. S. Kadam                              | 9001096020                       | <a href="mailto:info@dynamiccables.co.in">info@dynamiccables.co.in</a>                                                                                                                        |
|                                                                     |                                                              | M/s Finecab Wires & Cables Pvt. Ltd.                     | Plot no.6 & 20, IDA, Phase - IV, Patancheru, Medak Dist - 502319, Telangana                   | G. DAVID RAJU                             | 9885120052                       | <a href="mailto:gdr.finecab@gmail.com">gdr.finecab@gmail.com</a>                                                                                                                              |
|                                                                     |                                                              | M/s Havells India Pvt. Ltd, Rajasthan                    | Plot no. A/461-462 & SP-215, 204 & 204(A), Matsya Industrial Area, Alwar, Rajasthan           | Mr. Rudra Prasad Jena Mr. Barun Mishra    | 9937051045<br>8018041545         | <a href="mailto:rudraprasad.jena@havells.com">rudraprasad.jena@havells.com</a><br><a href="mailto:barun.mishra@havells.com">barun.mishra@havells.com</a>                                      |
|                                                                     |                                                              | M/s Pobon DPC & Cables Pvt. Ltd, Balasore                | Nayakbanda, Bidu, Soro, Balasore, Odisha                                                      | Mr. Chandra Sekhara Mohanty               | 9777277719                       | <a href="mailto:pobondpccables@gmail.com">pobondpccables@gmail.com</a>                                                                                                                        |
|                                                                     |                                                              | M/s Polytech Wire and Cables Pvt. Ltd, Rourkela          | Gurundia, Lathikata, Rourkela, Sundergarh, Odisha                                             | Mr. Biswajit Pattanaik                    | 8260500168<br>9776685251         | <a href="mailto:polytechwireandcable@gmail.com">polytechwireandcable@gmail.com</a>                                                                                                            |
|                                                                     |                                                              | M/s Sterlite Technologies Ltd, Mumbai                    | 9B & 9C, 9th Floor, South Tower, Godrej One, Pirojshanagar, Vikhroli (East), Mumbai - 400079  | Mr. Ashish Goyal                          |                                  | <a href="mailto:ashish.goyal@stl.tech">ashish.goyal@stl.tech</a>                                                                                                                              |
|                                                                     |                                                              | M/s Finolex Cables Limited, Bhubaneswar                  | 677, Rudrapur, NH-16, PO: Pahal, Opp Kali Mandir, Bhubaneswar - 752101, Orissa                |                                           | 0674-2602971922<br>0674-2971188  | <a href="mailto:florissa@finolex.com">florissa@finolex.com</a>                                                                                                                                |
|                                                                     |                                                              | M/s Universal Cables Limited, Madhya Pradesh             | Birla Vikas, Satna, Madhya Pradesh-485005                                                     | Mr. A. Bose                               |                                  | <a href="mailto:kolkata@unistar.co.in">kolkata@unistar.co.in</a><br><a href="mailto:sales@unistar.co.in">sales@unistar.co.in</a>                                                              |
|                                                                     |                                                              | M/s Dynamic Cables Ltd, Jaipur                           | F-260, Road No. 13, VKIA, Jaipur - 302013                                                     | Mr. S. Kadam                              | 9001096020                       | <a href="mailto:info@dynamiccables.co.in">info@dynamiccables.co.in</a>                                                                                                                        |
|                                                                     |                                                              | M/s Gloster Cables Ltd, Telengana                        | 310/E, NH 44, Kallakal Village, Manoharbad (Mndl), MEDAK, Telengana 502336                    | Mr. Rajesh Kumar Dutta (Cable Division)   | 9327239364                       | <a href="mailto:rkdutta@glostercable.com">rkdutta@glostercable.com</a><br><a href="mailto:marketing@glostercable.com">marketing@glostercable.com</a>                                          |



| Provisional Vendor List for New connection/Deposit works for TPSODL |                                             |                                                        |                                                                                                                                            |                                        |                               | <br>TP SOUTHERN ODISHA<br>DISTRIBUTION LIMITED<br>(A Joint Venture of Tata Power and Government of Odisha)                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr. No                                                              | Description of Material/ Equipment          | Manufacturer Name                                      | Contact Address                                                                                                                            | Contact Person                         | Contact No.                   | Email ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 15                                                                  | 1.1KV PVC Insulated Cable and Control Cable | M/s Finecab Wires & Cables Pvt. Ltd.                   | Plot no.6 & 20, IDA,Phase – IV, Patancheru, Medak Dist - 502319, Telangana                                                                 | G.DAVID RAJU                           | 9885120052                    | <a href="mailto:gdr.finecab@gmail.com">gdr.finecab@gmail.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                     |                                             | M/s KEI Industries Ltd.,Alwar                          | SP 919,920,922 RIICO Industrial Area,Phase-3,Bhiwadi,Alwar,Rajasthan-301019                                                                | Mr. Chitrak Sardar                     | 9,903,027,514                 | <a href="mailto:bhavana.patil@kei-ind.com">bhavana.patil@kei-ind.com</a> <a href="mailto:chitrak.sardar@kei-ind.com">chitrak.sardar@kei-ind.com</a>                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                     |                                             | M/s Crystal Cable Industries Ltd,Kolkata               | 32,Ganesh Chandra Avenue,Kolkata,West Bengal-700013                                                                                        |                                        |                               | <a href="mailto:office@crystallcable.in">office@crystallcable.in</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                     |                                             | M/s PRIME CABLE INDUSTRIES PVT. LTD.                   | Reg. Off : E - 894, DSIDC, Industrial Area, Narela, Delhi-110040                                                                           | Manju Manna<br>Mr. Naman Singla        | 7029913693<br>9711260180      | <a href="mailto:primecab1@rediffmail.com">primecab1@rediffmail.com</a><br><a href="mailto:primecableindustries@gmail.com">primecableindustries@gmail.com</a><br><a href="mailto:manju@primecabindia.com">manju@primecabindia.com</a><br><a href="mailto:swati@primecabindia.com">swati@primecabindia.com</a><br><a href="mailto:naman@primecabindia.com">naman@primecabindia.com</a><br><a href="mailto:nikunj@primecabindia.com">nikunj@primecabindia.com</a><br><a href="mailto:purnima@primecabindia.com">purnima@primecabindia.com</a> |
|                                                                     |                                             | M/s Havells India Pvt. Ltd,Rajasthan                   | Plot no. A/461-462 & SP-215,204 & 204(A), Matsya Industrial Area, Alwar, Rajasthan                                                         | Mr.Rudra Prasad Jena Mr.Barun Mishra   | 9937051045<br>8018041545      | <a href="mailto:rudraprasad.jena@havells.com">rudraprasad.jena@havells.com</a><br><a href="mailto:barun.mishra@havells.com">barun.mishra@havells.com</a>                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                     |                                             | M/s KEC International Ltd.,Mysore                      | Mysore,Karnataka                                                                                                                           | Mr.Satish Tomar                        | 8212402401                    | <a href="mailto:tomarsk@kecprg.com">tomarsk@kecprg.com</a> <a href="mailto:powercables@kecprg.com">powercables@kecprg.com</a>                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                     |                                             | M/s V-Guard Industries Ltd.,Bhubaneswar                | 42/962, Vennala High school Road, Kochi                                                                                                    |                                        |                               | <a href="mailto:mail@vguard.in">mail@vguard.in</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                     |                                             | M/s GEMSCAB Industries Ltd,Rajasthan                   | Plot No.SP-1192 L&K,Phase-4,RIICO Industrial Area,Bhiwadi,Alwar,Rajasthan                                                                  |                                        |                               | <a href="mailto:gemscab@vsnl.com">gemscab@vsnl.com</a> <a href="mailto:sureshchandra@gemscab.com">sureshchandra@gemscab.com</a>                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                     |                                             | M/s Torrent Cables Ltd, Gujrat                         | PELICAN Building, 6th Floor,GCCI Compound Ashram Road,Ahmedabad, Gujarat - 380009                                                          | Mr. S.C. Palekar (VP-Operation)        | 7930001067                    | <a href="mailto:sushampalekar@torrentcables.com">sushampalekar@torrentcables.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                     |                                             | M/s Thermo Cables Ltd, Hyderabad                       | 28, Nagarjuna Hills,Punjagutta,Hyderabad-500 082                                                                                           |                                        | 9339336204                    | <a href="mailto:kolkata@thermocables.com">kolkata@thermocables.com</a><br><a href="mailto:info@thermocables.com">info@thermocables.com</a>                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                     |                                             | M/s Paramount Communications Ltd,Haryana               | Plot No.37,Industrial Estate,Dharuhera,Rewari,Haryana-123106                                                                               | Mr.Manoj verma                         | 9958898025                    | <a href="mailto:manoj@paramountcables.com">manoj@paramountcables.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                     |                                             | M/s Ravin Cables Ltd,Mayurbhanj                        | Hamilton Gardens Baripada, Dist. Mayurbhanj Orissa - 757001                                                                                | Mr.Santosh George                      |                               | <a href="mailto:santosh.george@ravingroup.com">santosh.george@ravingroup.com</a><br><a href="mailto:ho@ravincables.com">ho@ravincables.com</a>                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                     |                                             | M/s Laser Power & Infra Pvt Ltd,Howrah                 | AT/P.O. : NH-6, Polypark, Dhulagore, Howrah-711302                                                                                         | Mr.Aniruddha Banerjee Mr.Sujib Goswami | 9674763567<br>9674761456      | <a href="mailto:lab.poly2016@gmail.com">lab.poly2016@gmail.com</a><br><a href="mailto:sales@laserpowerinfra.com">sales@laserpowerinfra.com</a>                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                     |                                             | M/s Nicco Corporation Limited,Mayurbhanj               | Hamilton Gardens,Baripada,Mayurbhanj,Odisha-757001                                                                                         | Mr.V R Moza                            | 06792-252454<br>06792-252434  | <a href="mailto:niccomkt@niccocable.com">niccomkt@niccocable.com</a><br><a href="mailto:vrmoza@niccocable.com">vrmoza@niccocable.com</a>                                                                                                                                                                                                                                                                                                                                                                                                   |
| 16                                                                  | PVC flexible Wire                           | M/s Havells India Pvt. Ltd,Rajasthan                   | Plot no. A/461-462 & SP-215,204 & 204(A), Matsya Industrial Area, Alwar, Rajasthan                                                         | Mr.Rudra Prasad Jena Mr.Barun Mishra   | 9937051045<br>8018041545      | <a href="mailto:rudraprasad.jena@havells.com">rudraprasad.jena@havells.com</a><br><a href="mailto:barun.mishra@havells.com">barun.mishra@havells.com</a>                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                     |                                             | M/s Polycab India Ltd,Gujurat                          | Unit 4, Plot No.105, Halol Vadodara Road,Nurpura, Halol, Panchmahal, Gujarat                                                               | Mr.Lalit                               | 9437014212                    | <a href="mailto:enquiry@polycab.com">enquiry@polycab.com</a> <a href="mailto:info@polycab.com">info@polycab.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                     |                                             | M/s Anchor Electricals Pvt Ltd                         | Steel House, B wing, Plot No. 24, Mahal Industrial Estate, Mahakali Caves Road, Near Paper Box, Andheri, Mumbai-400093, Maharashtra, India | Mr. Kavish Kotian                      | 7045785821                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                     |                                             | M/s Finolex Cables Ltd, Bhubaneswar                    | 677, Rudrapur, NH-16, PO: Pahal, Opp Kali Mandir, Bhubaneswar - 752101, Orissa                                                             |                                        | 0674-2971922,<br>0674-2971188 | <a href="mailto:florissa@finolex.com">florissa@finolex.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 17                                                                  | AAAC Conductor                              | M/s APAR Industries Ltd, Gujurat                       | Plot No.153,157-163,2827,Survey 189/P1,Umbergaon,Valsad,Gujurat-396171                                                                     | Mr. S K Suman                          | 9967719156<br>8291664446      | <a href="mailto:shyam.suman@apar.com">shyam.suman@apar.com</a><br><a href="mailto:m.kanakarajan@apar.com">m.kanakarajan@apar.com</a>                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                     |                                             | M/s Laser Power & Infra Pvt Ltd,Howrah                 | AT/P.O. : NH-6, Polypark, Dhulagore, Howrah-711302                                                                                         | Mr.Aniruddha Banerjee Mr.Sujib Goswami | 9674763567<br>9674761456      | <a href="mailto:lab.poly2016@gmail.com">lab.poly2016@gmail.com</a><br><a href="mailto:sales@laserpowerinfra.com">sales@laserpowerinfra.com</a>                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                     |                                             | M/s. Lumino Industries Ltd,Howrah                      | Biprannapara, Jalan Complex,Domjur,Howrah,West Bengal                                                                                      | Mr.Tapas Debnath Mr.Vikash Singh       | 9674755236<br>9674344474      | <a href="mailto:susant@luminoidindustries.com">susant@luminoidindustries.com</a><br><a href="mailto:abaijai@luminoidindustries.com">abaijai@luminoidindustries.com</a>                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                     |                                             | M/s MMP Industries Ltd                                 | 211 Shrimohini, 345 Kingsway, Nagpur 440001                                                                                                | Mr.Vikrant Sahare                      | 7350017910                    | <a href="mailto:vikrants@mmpil.com">vikrants@mmpil.com</a><br><a href="mailto:sys@mmpil.com">sys@mmpil.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                     |                                             | M/s Akhandalamani Electricals & Constructions, Cuttack | Kuspangi,Cuttack, Odisha                                                                                                                   | Mr. Prabhat Kumar Rout                 | 9438873224                    | <a href="mailto:prayat@aecinfrastructure.com">prayat@aecinfrastructure.com</a><br><a href="mailto:info@aecgroup.in">info@aecgroup.in</a>                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                     |                                             | M/s Pobon DPC & Cables Pvt. Ltd, Balasore(AAAC)        | Nayakbanda, Bidu, Soro, Balasore,Odisha                                                                                                    | Mr. Chandra Sekhara Mohanty            | 9777277719                    | <a href="mailto:pobondpcables@gmail.com">pobondpcables@gmail.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                     |                                             | M/s Mahavir Transmission Limited, Uttarakhand          | A-9,B-4,A-11-13 S, Industrial Estate, Vikasnagar, Dehradun, Uttarakhand-248198                                                             | Mr. Akhil Jain                         | 8447813337<br>9871002668      | <a href="mailto:akhil.jain@mahavirtransmission.com">akhil.jain@mahavirtransmission.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                     |                                             | M/s Polytech Wire and Cables Pvt. Ltd, Rourkela        | Gurundia, Lathikata, Rourkela, Sundergarh, Odisha                                                                                          | Mr. Biswajit Pattanaik                 | 8260500168<br>9776685251      | <a href="mailto:polytechwireandcable@gmail.com">polytechwireandcable@gmail.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 18                                                                  | HT XLPE Insulated Covered AAAC Conductor    | M/s APAR Industries Ltd, Gujurat                       | Plot No.153,157-163,2827,Survey 189/P1,Umbergaon,Valsad,Gujurat-396171                                                                     | Mr. S K Suman                          | 9967719156<br>8291664446      | <a href="mailto:shyam.suman@apar.com">shyam.suman@apar.com</a><br><a href="mailto:m.kanakarajan@apar.com">m.kanakarajan@apar.com</a>                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                     |                                             | V-Marc India Limited                                   | Plot No 3,4, 18 & 20A, Sector -IIDC, SIDCUL, Haridwar, Uttarakhand - 249403                                                                | Mr. Vijay Bhatt<br>Mr. Suresh Chandola | 8171169401<br>9760958483      | <a href="mailto:sales@v-marc.in">sales@v-marc.in</a><br><a href="mailto:ijq@v-marc.in">ijq@v-marc.in</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                     |                                             | M/s Laser Power & Infra Pvt Ltd,Howrah                 | AT/P.O. : NH-6, Polypark, Dhulagore, Howrah-711302                                                                                         | Mr.Aniruddha Banerjee Mr.Sujib Goswami | 9674763567<br>9674761456      | <a href="mailto:lab.poly2016@gmail.com">lab.poly2016@gmail.com</a><br><a href="mailto:sales@laserpowerinfra.com">sales@laserpowerinfra.com</a>                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                     |                                             | M/s Havells India Pvt. Ltd,Rajasthan                   | Plot no. A/461-462 & SP-215,204 & 204(A), Matsya Industrial Area, Alwar, Rajasthan                                                         | Mr.Rudra Prasad Jena Mr.Barun Mishra   | 9937051045<br>8018041545      | <a href="mailto:rudraprasad.jena@havells.com">rudraprasad.jena@havells.com</a><br><a href="mailto:barun.mishra@havells.com">barun.mishra@havells.com</a>                                                                                                                                                                                                                                                                                                                                                                                   |



| Provisional Vendor List for New connection/Deposit works for TPSODL |                                                                          |                                                                |                                                                                                 |                                          |                           | <br>TP SOUTHERN ODISHA<br>DISTRIBUTION LIMITED<br><small>(A Joint Venture of Tata Power and Government of Odisha)</small>                                           |
|---------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr. No                                                              | Description of Material/ Equipment                                       | Manufacturer Name                                              | Contact Address                                                                                 | Contact Person                           | Contact No.               | Email ID                                                                                                                                                                                                                                               |
|                                                                     |                                                                          | M/s Ravi Industries                                            | SECTOR-53,PHASE-3,KUNDLI,SONIPAT HARYANA-131028                                                 | Mr. Deepak Goyal                         | 9810019276                | <a href="mailto:tendermarketing1@deegeelitecables.com">tendermarketing1@deegeelitecables.com</a>                                                                                                                                                       |
|                                                                     |                                                                          | M/s Raychem RPG Pvt Ltd.,Gujurat                               | Kanjari,Jyoti Compound,Nr Halol GIDC,Panchamahar,Gujarat                                        | Mr.Rahul Biswas Mr.Mehul Patel           | 9771427299<br>9724304622  | <a href="mailto:deepakgoyal@deegeelitecables.com">deepakgoyal@deegeelitecables.com</a><br><a href="mailto:rahul_biswas@raychemrpg.com">rahul_biswas@raychemrpg.com</a><br><a href="mailto:Sourav_Maiti@raychemrpg.com">Sourav_Maiti@raychemrpg.com</a> |
|                                                                     |                                                                          | M/s KEI Industries Ltd.,Alwar                                  | SP 919,920,922 RIICO Industrial Area,Phase-3,Bhiwadi,Alwar,Rajasthan-301019                     | Mr. Chitrak Sardar                       | 9,903,027,514             | <a href="mailto:bhavana.patil@kei-ind.com">bhavana.patil@kei-ind.com</a> <a href="mailto:chitrak.sardar@kei-ind.com">chitrak.sardar@kei-ind.com</a>                                                                                                    |
| 19                                                                  | HT XLPE Cable (11KV & 33 KV)                                             | M/s KEI Industries Ltd.,Alwar                                  | SP 919,920,922 RIICO Industrial Area,Phase-3,Bhiwadi,Alwar,Rajasthan-301019                     | Mr. Chitrak Sardar                       | 9,903,027,514             | <a href="mailto:bhavana.patil@kei-ind.com">bhavana.patil@kei-ind.com</a> <a href="mailto:chitrak.sardar@kei-ind.com">chitrak.sardar@kei-ind.com</a>                                                                                                    |
|                                                                     |                                                                          | M/s GEMSCAB Industries Ltd,Rajasthan                           | Plot No.SP-1192 L&K,Phase-4,RIICO Industrial Area,Bhiwadi,Alwar,Rajasthan                       |                                          | 9212560974                | <a href="mailto:gemscab@vsnl.com">gemscab@vsnl.com</a> <a href="mailto:sureshchandra@gemscab.com">sureshchandra@gemscab.com</a><br><a href="mailto:anpathak@gemscab.com">anpathak@gemscab.com</a>                                                      |
|                                                                     |                                                                          | M/s Finecab Wires & Cables Pvt. Ltd.                           | Plot no.6 & 20, IDA,Phase – IV, Patancheru, Medak Dist - 502319, Telangana                      | G.DAVID RAJU                             | 9885120052                | <a href="mailto:gdr.finecab@gmail.com">gdr.finecab@gmail.com</a>                                                                                                                                                                                       |
|                                                                     |                                                                          | M/s Havells India Pvt. Ltd,Alwar(only for 11kv)                | Plot no. A/461-462 & SP-215,204 & 204(A), Matsya Industrial Area, Alwar, Rajasthan              | Mr.Rudra Prasad Jena Mr.Barun Mishra     | 9937051045<br>8018041545  | <a href="mailto:rudraprasad.jena@havells.com">rudraprasad.jena@havells.com</a><br><a href="mailto:barun.mishra@havells.com">barun.mishra@havells.com</a>                                                                                               |
|                                                                     |                                                                          | M/s Dynamic Cables Ltd, Jaipur                                 | F-260, Road No. 13, VKIA, Jaipur - 302013                                                       | Mr.S. Kadam                              | 9001096020<br>9339830586  | <a href="mailto:info@dynamiccables.co.in">info@dynamiccables.co.in</a><br><a href="mailto:tenderingdcl@dynamiccables.co.in">tenderingdcl@dynamiccables.co.in</a>                                                                                       |
|                                                                     |                                                                          | M/s APAR Industries Ltd, Gujurat(11 KV)                        | Plot No.153,157-163,2827,Survey 189/P1,Umbergaon,Valsad,Gujurat-396171                          | Mr. S K Suman                            | 9967719156<br>8291664446  | <a href="mailto:shyam.suman@apar.com">shyam.suman@apar.com</a><br><a href="mailto:m.kanakarajan@apar.com">m.kanakarajan@apar.com</a>                                                                                                                   |
|                                                                     |                                                                          |                                                                |                                                                                                 | Mr.Sujit Kumar Nayak Mr.Abhijit Bhagwat  | 98306 62725<br>9850667259 | <a href="mailto:arbhwat@mmm.com">arbhwat@mmm.com</a> <a href="mailto:sknayak@mmm.com">sknayak@mmm.com</a>                                                                                                                                              |
| 20                                                                  | HT & LT Cable termination & Jointing kit (Except Touchproof kit)         | M/s 3M Electro & Communication India Pvt Ltd,Pune              | 145,Mumbai-Pune Road,Pimpri,Pune,Maharashtra                                                    |                                          |                           |                                                                                                                                                                                                                                                        |
|                                                                     |                                                                          | Compaq International (P) Limited                               | Compaq House, Shadipur, Khajuri Road, Yamuna Nagar - 135 001 Haryana, INDIA                     | Mr. Harpreet Singh                       | 9996113333                | <a href="mailto:harpreet@compaqinternational.com">harpreet@compaqinternational.com</a>                                                                                                                                                                 |
|                                                                     |                                                                          | M/s SICAME India Connectors Pvt Ltd,Tamilnadu                  | 96 59 12 88 80   44 27 41 02 11 #37, Sirunkundram Chengalpet District 603 108, Tamilnadu, India | Nambirajan.N                             | 9659128880                | <a href="mailto:Nambirajan.NAINAR@sicame.in">Nambirajan.NAINAR@sicame.in</a>                                                                                                                                                                           |
|                                                                     |                                                                          | M/s Raychem RPG Pvt Ltd.,Gujurat                               | Kanjari,Jyoti Compound,Nr Halol GIDC,Panchamahar,Gujarat                                        | Mr.Rahul Biswas Mr. Saurav Maiti         | 9771427299<br>8372801987  | <a href="mailto:rahul_biswas@raychemrpg.com">rahul_biswas@raychemrpg.com</a><br><a href="mailto:Sourav_Maiti@raychemrpg.com">Sourav_Maiti@raychemrpg.com</a>                                                                                           |
|                                                                     |                                                                          | M/s Yamuna Cable accessories Ltd.                              | Haryana (Denson make)                                                                           | Mr. Sushil Garg                          | 9991700665                | <a href="mailto:tender@yamunapower.com">tender@yamunapower.com</a>                                                                                                                                                                                     |
|                                                                     |                                                                          | M/s Behr Bircher Cellpack BBC India Pvt. Ltd., Haryana         | Plot No. 149, EHTP, Phase-5, Sector-56, HSIIDC Kundli, Sonipat, Haryana-131028                  | Mr. Soman Maitra                         | 9830559759                | <a href="mailto:suman.maitra@cellpack.com">suman.maitra@cellpack.com</a>                                                                                                                                                                               |
|                                                                     |                                                                          | M/s Nexans (PCA Technologies Pvt Ltd.)                         | 25,shah industries Estate, Kotambi, Vadodara, Gujrat , India 391510                             | Mr. Soman Maitra                         | 9830559759                | <a href="mailto:suman@thepcatech.com">suman@thepcatech.com</a>                                                                                                                                                                                         |
| 21                                                                  | Covered Conductor Accessories                                            | M/s Raychem RPG Pvt Ltd.,Gujurat (IPC Only)                    | Kanjari,Jyoti Compound,Nr Halol GIDC,Panchamahar,Gujarat                                        | Mr.Rahul Biswas Mr.Mehul Patel           | 9771427299<br>9724304622  | <a href="mailto:rahul_biswas@raychemrpg.com">rahul_biswas@raychemrpg.com</a><br><a href="mailto:Sourav_Maiti@raychemrpg.com">Sourav_Maiti@raychemrpg.com</a>                                                                                           |
|                                                                     |                                                                          | M/s SICAME India Connectors Pvt Ltd,Tamilnadu (IPC & Dead end) | 96 59 12 88 80   44 27 41 02 11 #37, Sirunkundram Chengalpet District 603 108, Tamilnadu, India | Nambirajan.N                             | 9659128880                | <a href="mailto:Nambirajan.NAINAR@sicame.in">Nambirajan.NAINAR@sicame.in</a>                                                                                                                                                                           |
|                                                                     |                                                                          | IAC Electricals Pvt. Ltd.                                      | 701 Central plaza, 2/6 south Sarat Bose road, Kolkata-700020                                    | Maidul Islam Khan Priyanka Sarkar        | 9734889136<br>6292286358  | <a href="mailto:maidul@iacelectricals.com">maidul@iacelectricals.com</a><br><a href="mailto:mkt.cr@iacelectricals.com">mkt.cr@iacelectricals.com</a>                                                                                                   |
|                                                                     |                                                                          | M/s ENSTO India Pvt. Ltd, Haryana                              | Plot No. 241, Sector-6, IMT Manesar Gurugram - 122050, Haryana, India                           | Mr. Amit Biswas                          | 9163503551                | <a href="mailto:amit.biswas@ensto.com">amit.biswas@ensto.com</a> <a href="mailto:india@ensto.com">india@ensto.com</a>                                                                                                                                  |
| 22                                                                  | HDPE Pipes                                                               | M/s Lingaraj Pipes Pvt. Ltd., Khurda                           | IDCO, Plot No. A/12, Sarua Industrial Estate, Sarua, Khurda, Odisha                             | Mr. Prashant Ku. Mishra                  | 9040088846<br>8763211377  | <a href="mailto:support@lingarajpipes.com">support@lingarajpipes.com</a>                                                                                                                                                                               |
|                                                                     |                                                                          | M/s Hari Udyog Pvt Ltd, Balasore                               | Khannagar, Kuruda, Balasore, Odisha                                                             | Mr. H.K. Mohanty Mr. Tarun Ray           | 7894435270<br>9437963776  | <a href="mailto:hariplaat@hariplaat.com">hariplaat@hariplaat.com</a><br><a href="mailto:ray.huopl@hariplaat.com">ray.huopl@hariplaat.com</a><br><a href="mailto:hkmohanty@hariplaat.com">hkmohanty@hariplaat.com</a>                                   |
|                                                                     |                                                                          | M/s Valentina Pipes Pvt. Ltd, Bhubaneswar                      | A/22-23-24, Industrial Estate, Rasulgarh, Bhubaneswar-751010, Odisha                            | Mr. Nikunj Chhotray Mr. Praddep Pradhan  | 9437025882<br>8249322439  | <a href="mailto:lion_nikunj@yahoo.co.in">lion_nikunj@yahoo.co.in</a><br><a href="mailto:valentinapipespvtltd18@gmail.com">valentinapipespvtltd18@gmail.com</a>                                                                                         |
|                                                                     |                                                                          | M/s Metroplast Industries,Kuruda,Balasore                      | Kuruda, Near Kuruda Fly Over, NH-16, Balasore-756056, Odisha                                    | Mr. S.K.Tripathy                         | 9338833733<br>8249386985  | <a href="mailto:metro_plast@yahoo.com">metro_plast@yahoo.com</a><br><a href="mailto:sktripathy.279@gmail.com">sktripathy.279@gmail.com</a>                                                                                                             |
|                                                                     |                                                                          | M/s Magnum Fibres Pvt. Ltd., Bhubaneswar                       | Plot No-132-A,Sector-A,Zone-A, Mancheswar Indl. Estate, Bhubaneswar – 751010 (ODISHA)           | Mr. Biraja Prasad Acharya Mr. A.P. Malla | 9040011139<br>9040011130  | <a href="mailto:birajacharya@magnum-india.com">birajacharya@magnum-india.com</a><br><a href="mailto:malla@magnum-india.com">malla@magnum-india.com</a><br><a href="mailto:atulsingh@Intecc.com">atulsingh@Intecc.com</a>                               |
| 23                                                                  | MCB<br><i>(Tech. specification to be superseed if MAKE is specified)</i> | M/s L&T                                                        |                                                                                                 | Mr.Atul singh                            |                           | <a href="mailto:contact.center@in.abb.com">contact.center@in.abb.com</a>                                                                                                                                                                               |
|                                                                     |                                                                          | M/s ABB India Ltd,Bhubaneswar                                  | 1st Floor,City centre,A-5/1.Sachivalaya Marg,Unit-9,Bhubaneswar-751022                          |                                          |                           | <a href="mailto:adwaita_mukherjee@siemens.com">adwaita_mukherjee@siemens.com</a><br><a href="mailto:anil.mitra@siemens.com">anil.mitra@siemens.com</a>                                                                                                 |
|                                                                     |                                                                          | M/s SIEMENS Ltd,Kolkata                                        | 43,Shanti Pally,EM ByPass,Connector,Rashbehari Avenue,Kolkata                                   |                                          |                           | <a href="mailto:siddhartha.das@havells.com">siddhartha.das@havells.com</a>                                                                                                                                                                             |
|                                                                     |                                                                          | M/s Havells India Pvt. Ltd,Uttarakhand                         | Plot no. 6, Site-4, Sahibabad Industrial Area, Sahibabad, Ghaziabad, UttarPradesh-201010        | Mr.Siddhartha Das                        | 9937203309                | <a href="mailto:siddhartha.das@havells.com">siddhartha.das@havells.com</a>                                                                                                                                                                             |
|                                                                     |                                                                          | M/s Standard Electricals Ltd,Noida                             | Global Headquarters , QRG Towers,2D, Sec- 126, Expressway, Noida - 201304 U.P                   |                                          |                           | <a href="mailto:standard.ho@havells.com">standard.ho@havells.com</a>                                                                                                                                                                                   |
|                                                                     |                                                                          | M/s Schneider Electric Infrastructure Ltd,Bhubaneswar          | 14,Forest Park,Bhubaneswar-751009                                                               | Mr.Girija Patnaik                        |                           | <a href="mailto:girija.patnaik@schneiderelectric.com">girija.patnaik@schneiderelectric.com</a>                                                                                                                                                         |
|                                                                     |                                                                          | Legrand, Kolkata                                               | Bhakta Towers, 2nd & 3rd Floor, Plot No. KB 22, Salt Lake, Sector - 3, KOLKATA - 700 091        |                                          |                           |                                                                                                                                                                                                                                                        |



| Provisional Vendor List for New connection/Deposit works for TPSODL |                                                                           |                                                       |                                                                                                                                            |                                                |                          | <br>TP SOUTHERN ODISHA<br>DISTRIBUTION LIMITED<br>(A Joint Venture of Tata Power and Government of Odisha) |
|---------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr. No                                                              | Description of Material/ Equipment                                        | Manufacturer Name                                     | Contact Address                                                                                                                            | Contact Person                                 | Contact No.              | Email ID                                                                                                                                                                                      |
|                                                                     |                                                                           | M/s Crompton Greaves India Ltd,Mumbai                 | Equinox Business Park,1st Floor,Tower-3,LBS Marg,Kurla(W),Mumbai-400070                                                                    | Mr.Thomas Geevarghese<br>Mr.Subhasis           | 9831038155               | <a href="mailto:nsm@crompton.co.in">nsm@crompton.co.in</a><br><a href="mailto:thomas.geevarghese@cgglobal.com">thomas.geevarghese@cgglobal.com</a>                                            |
|                                                                     |                                                                           | M/s. C & S India Pvt Ltd,Uttarakhand                  | Plot no.10,Sector-11,IIE,SIDCUL,Ranipur,Haridwar, Uttarakhand-249403                                                                       | Mr.Gaurav Sharma                               | 9650564714               | <a href="mailto:myservice@c-sec.co.in">myservice@c-sec.co.in</a>                                                                                                                              |
| 24                                                                  | LT ACB/MCCB<br>(Tech. specification to be supersede if MAKE is specified) | M/s L&T                                               |                                                                                                                                            | Mr.Atul Singh                                  |                          | <a href="mailto:atulsingh@Intecc.com">atulsingh@Intecc.com</a>                                                                                                                                |
|                                                                     |                                                                           | M/s SIEMENS Ltd,Kolkata                               | 43,Shanti Pally,EM By Pass,Connector,Rashbehari Avenue,Kolkata-700042                                                                      |                                                |                          | <a href="mailto:adwaita.mukherjee@siemens.com">adwaita.mukherjee@siemens.com</a><br><a href="mailto:anil.mitra@siemens.com">anil.mitra@siemens.com</a>                                        |
|                                                                     |                                                                           | M/s GE Power Controls India Pvt Ltd, Bangalore        | 42/1 & 45/14,Electronic City Phase-2,Bangalore-560100                                                                                      |                                                | 8041113000               |                                                                                                                                                                                               |
|                                                                     |                                                                           | M/s ABB India Ltd,Bhubaneswar                         | 1st Floor,City centre,A-5/1.Sachivalaya Marg,Unit-9,Bhubaneswar-751022                                                                     |                                                |                          | <a href="mailto:contact.center@in.abb.com">contact.center@in.abb.com</a>                                                                                                                      |
|                                                                     |                                                                           | M/s Crompton Greaves India Ltd,Mumbai                 | Equinox Business Park,1st Floor,Tower-3,LBS Marg,Kurla(W),Mumbai-400070                                                                    | Mr.Thomas Geevarghese<br>Mr.Subhasis           | 9831038155               | <a href="mailto:nsm@crompton.co.in">nsm@crompton.co.in</a><br><a href="mailto:thomas.geevarghese@cgglobal.com">thomas.geevarghese@cgglobal.com</a>                                            |
|                                                                     |                                                                           | M/s Havells India Pvt. Ltd,Uttar Pradesh              | Plot no. 6, Site-4, Sahibabad Industrial Area, Sahibabad, Ghaziabad, UttarPradesh-201010                                                   | Mr.Siddhartha Das                              | 9937203309               | <a href="mailto:siddhartha.das@havells.com">siddhartha.das@havells.com</a>                                                                                                                    |
|                                                                     |                                                                           | M/s. C & S India Pvt Ltd,Uttarakhand                  | Plot no. 10,Sector-11,IIE,SIDCUL,Ranipur,Haridwar, Uttarakhand-249403                                                                      | Mr. Gaurav Sharma                              | 9650564714               | <a href="mailto:myservice@c-sec.co.in">myservice@c-sec.co.in</a>                                                                                                                              |
|                                                                     |                                                                           | M/s BCH Electric Ltd, Haryana                         | 20/4, Mathura Road, Faridabad – 121 006 Haryana                                                                                            |                                                |                          | <a href="mailto:marketing@bchindia.com">marketing@bchindia.com</a>                                                                                                                            |
|                                                                     |                                                                           | M/s ERA Electricals Pvt Ltd,Noida                     | Plot No.B-200, Phase-II, Noida, Uttar Pradesh, 201305                                                                                      | Mr. Mukesh Gupta Mr.Sachin gupta               |                          |                                                                                                                                                                                               |
|                                                                     |                                                                           | M/s Schneider Electric Infrastructure Ltd,Bhubaneswar | 14,Forest Park,Bhubaneswar-751009                                                                                                          | Mr. Girija Patnaik                             |                          | <a href="mailto:girija.patnaik@schneiderelectric.com">girija.patnaik@schneiderelectric.com</a>                                                                                                |
| 25                                                                  | Switches                                                                  | M/s Anchor Electricals Pvt Ltd,Mumbai                 | Steel House, B wing, Plot No. 24, Mahal Industrial Estate, Mahakali Caves Road, Near Paper Box, Andheri, Mumbai-400093, Maharashtra, India | Mr. Kavish Kotian                              | 7045785821               |                                                                                                                                                                                               |
|                                                                     |                                                                           | M/s Schneider Electric Infrastructure Ltd,Bhubaneswar | 14,Forest Park,Bhubaneswar-751009                                                                                                          | Mr. Girija Patnaik                             |                          | <a href="mailto:girija.patnaik@schneiderelectric.com">girija.patnaik@schneiderelectric.com</a>                                                                                                |
|                                                                     |                                                                           | INDOASIAN , Maharashtra                               | Indo Asian Building Pvt. Ltd.,Eternity Mall Teen Hath Naka, Lal Bahadur Shastri Rd, Thane West, Thane, Maharashtra 400604                  |                                                |                          |                                                                                                                                                                                               |
|                                                                     |                                                                           | M/s Havells India Pvt. Ltd,Ghaziabad                  | Plot no. 6, Site-4, Sahibabad Industrial Area, Sahibabad, Ghaziabad, UttarPradesh-201010                                                   | Mr.Siddhartha Das                              | 9937203309               | <a href="mailto:siddhartha.das@havells.com">siddhartha.das@havells.com</a>                                                                                                                    |
|                                                                     |                                                                           | M/s CONA Industries Pvt Ltd, Mumbai                   | 302 Brahans Business Park, Off Mahakali Caves Rd, Andheri East, Mumbai, Maharashtra 400093                                                 |                                                |                          |                                                                                                                                                                                               |
|                                                                     |                                                                           | M/s ABB India Ltd, Bhubaneswar                        | 1st Floor,City centre,A-5/1.Sachivalaya Marg,Unit-9,Bhubaneswar-751022                                                                     |                                                |                          | <a href="mailto:contact.center@in.abb.com">contact.center@in.abb.com</a>                                                                                                                      |
| 26                                                                  | PSC Pole                                                                  | M/s Konark Construction & Engineers Ltd,Cuttack       | On NH-16,Telengapentha, Cuttack,Odisha                                                                                                     | Mr.Priya Ranjan Shial<br>Mr.Giridharilal Halan | 9668025336<br>9437012866 | <a href="mailto:kcel05@hotmail.com">kcel05@hotmail.com</a>                                                                                                                                    |
|                                                                     |                                                                           | M/s Raj Rajeshwari Industries                         | Jeypore NH 43, UMERI, Koraput-764001                                                                                                       | Mr. Anand Kumar Patwania                       | 9437077266               | <a href="mailto:rajraeswari2010@gmail.com">rajraeswari2010@gmail.com</a>                                                                                                                      |
|                                                                     |                                                                           | M/s SR Cementech, Cuttack                             | Nischint,Benchua,Govindpur Chhak,Tangi,Cuttack,Odisha                                                                                      | Mr.Tarun Agarwal                               | 9583212121               | <a href="mailto:gm.rahul@gmail.com">gm.rahul@gmail.com</a>                                                                                                                                    |
|                                                                     |                                                                           | M/s US POWER PRODUCTS                                 | GUPTESWAR COMPLEX Jeypore 764001                                                                                                           | Umesh Chandra Mishra                           | 9437000662               | <a href="mailto:uspowerproducts@gmail.com">uspowerproducts@gmail.com</a>                                                                                                                      |
|                                                                     |                                                                           | M/s Divine Concrete Pvt. Ltd, Jajpur                  | Mandia,Haridaspur,Chandikhol,Jajpur,Odisha                                                                                                 | Mr.S P Sahoo                                   | 9437042868               | <a href="mailto:divineconcreteproducts@gmail.com">divineconcreteproducts@gmail.com</a>                                                                                                        |
|                                                                     |                                                                           | M/s SHRI RAAJYALAKSHMI POWER INFRA PVT LTD            | Govt Model School Road CUTTACK - 532168                                                                                                    | N.Vishwanath Rao<br>Mr. Rajsekhar              | 9848180136<br>9573977936 | <a href="mailto:shripowerinfra@gmail.com">shripowerinfra@gmail.com</a>                                                                                                                        |
|                                                                     |                                                                           | M/s Baba Akhandalamani,Bhadrak                        | Randia,Bhadrak,Odisha                                                                                                                      | Mr.Chinmay T. Mohapatra                        | 9040045476               | <a href="mailto:babaconcrete17@gmail.com">babaconcrete17@gmail.com</a>                                                                                                                        |
|                                                                     |                                                                           | M/s Metro Poles,Balasure                              | Sahada,Sarhgaon,Balasure,Odisha                                                                                                            | Mr.Rajiv Shah                                  | 8249827644               | <a href="mailto:metro_poles@yahoo.com">metro_poles@yahoo.com</a>                                                                                                                              |
|                                                                     |                                                                           | M/s Neelachal Enterprises, Chhanpur, Balasure         | Bampada, Chhanpur, Balasure, Odisha                                                                                                        | Mr. Harish Patel                               | 9437013147               | <a href="mailto:peelcon@gmail.com">peelcon@gmail.com</a>                                                                                                                                      |
|                                                                     |                                                                           | M/s KMR Udyog, Balasure                               | At- Gadiamal, Po- Bahal, Via- Sergarh, Dist- Balasure, Odisha, Pin-756060                                                                  | Mr. Mahesh Kumar Modi                          | 9556196809               | <a href="mailto:kmrudvyog@gmail.com">kmrudvyog@gmail.com</a>                                                                                                                                  |
|                                                                     |                                                                           | M/s Balaji PSC Poles Industries,Khurda                | 353/46,Jaydev Vihar,Near Vishnu Priya Appartment, Bhubaneswar, Khurda, Odisha                                                              | Mr. S P Mohapatra                              | 9937528888<br>9437078787 | <a href="mailto:saurinrasad@yahoo.com">saurinrasad@yahoo.com</a>                                                                                                                              |
|                                                                     |                                                                           | M/s Baba Loknath Pvt Ltd,Khurda                       | Kuhudi,Khurda                                                                                                                              | Mr.Bijay Pradhan Mr.Ravi Sharma                | 9937397199<br>9861058123 | <a href="mailto:loknathdev@gmail.com">loknathdev@gmail.com</a>                                                                                                                                |
|                                                                     |                                                                           | M/s BALAJI CONCRETO                                   | NUASAHJ,Boudh Boudh 762014                                                                                                                 | Mr. Praveen Aggarwal                           | 9776162420               | <a href="mailto:balajiconcreto@gmail.com">balajiconcreto@gmail.com</a>                                                                                                                        |
|                                                                     |                                                                           | M/s Laxmi Industries, Khurda                          | C-35 & C-36, IID Centre, Khurda Industrial Estate,Khurda, Odisha-752055                                                                    | Mr. Bipin Trivedi                              | 9934316366               | <a href="mailto:laxmi.enterprizes@gmail.com">laxmi.enterprizes@gmail.com</a>                                                                                                                  |
|                                                                     |                                                                           | M/s Omm Concrete Products, Bhubaneswar                | Kujimahal, Chandaka, Bhubaneswar, Khurda, Odisha                                                                                           | Mr. K.C.Padhi                                  | 9438877282               | <a href="mailto:ommconcretes@yahoo.com">ommconcretes@yahoo.com</a>                                                                                                                            |
|                                                                     |                                                                           | M/s Gayatri Industry,Ganjam                           | Kalabada, Chikiti, Ganjam, Odisha                                                                                                          | Mrs.Subhadra Sahu                              | 9439331387               | <a href="mailto:subhadra.sahu@gmail.com">subhadra.sahu@gmail.com</a>                                                                                                                          |
|                                                                     |                                                                           | M/s Lackeir Stilil Pvt Ltd ,Ganjam                    | Palurgarh,Rambha,Huma, Ganjam, Odisha                                                                                                      | Mr.K Dileswar Rao                              | 9437434611<br>9337227923 | <a href="mailto:kdr.lackeir@gmail.com">kdr.lackeir@gmail.com</a>                                                                                                                              |
|                                                                     |                                                                           | M/s Sai Saran Concrete, Talcher                       | Remuan,Hatatota,Talcher,Angul,Odisha                                                                                                       | Mr.Shivram Sahoo                               | 7381040188<br>7381040189 | <a href="mailto:saisaranconcrete48@gmail.com">saisaranconcrete48@gmail.com</a>                                                                                                                |
|                                                                     |                                                                           | M/s JSME Energy & Power                               | Khata No 89/287, Park Street, Back side Gandhi park, Berhampur, Odisha-760002                                                              | K. Somesh Rao Subudhi                          | 9437060806               | <a href="mailto:sales@jsmentp.com">sales@jsmentp.com</a> <a href="mailto:jsmeenergypower@gmail.com">jsmeenergypower@gmail.com</a>                                                             |
|                                                                     |                                                                           | M/s Gautam Cements Works Ltd,Jharsuguda               | Hirma,Badmaj,Jharsuguda,Odisha                                                                                                             | Mr.Abhijeet Surana Mr.Nirabh Mehta             | 9600221111<br>9165053638 | <a href="mailto:orissapole@gmail.com">orissapole@gmail.com</a>                                                                                                                                |
|                                                                     |                                                                           | M/s Meco, West Bengal                                 | Bolpur, Birbhum, West Bengal                                                                                                               | Munshi Asad Ali                                | 9434762432               | <a href="mailto:asadsnpl@gmail.com">asadsnpl@gmail.com</a>                                                                                                                                    |
|                                                                     |                                                                           | M/s Utkal Galvanizers Ltd,Cuttack                     | Kapursingh,Oranda,Cuttack, Odisha                                                                                                          | Mr. Arun K Das                                 | 9938410739<br>8249680042 | <a href="mailto:ho@utkaltd.in">ho@utkaltd.in</a> <a href="mailto:utkalho@gmail.com">utkalho@gmail.com</a>                                                                                     |





| Provisional Vendor List for New connection/Deposit works for TPSODL |                                                                                                                |                                                         |                                                                                                                                                                             |                                                |                                         | <br>TP SOUTHERN ODISHA<br>DISTRIBUTION LIMITED<br>(A Joint Venture of Tata Power and Government of Odisha)                                        |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr. No                                                              | Description of Material/ Equipment                                                                             | Manufacturer Name                                       | Contact Address                                                                                                                                                             | Contact Person                                 | Contact No.                             | Email ID                                                                                                                                                                                                                             |
| 27                                                                  | WPB / RSJ Pole (11 & 13 mtr)                                                                                   | M/s Reliable Sponge Pvt Ltd, Sundergarh                 | Unit-3,Sagjore,Balanda,Sundergarh,Odisha                                                                                                                                    | Mr. Pranab Mohanty                             | 9437497402                              | <a href="mailto:ttt@reliableispat.com">ttt@reliableispat.com</a>                                                                                                                                                                     |
|                                                                     |                                                                                                                | M/s DHARAM INDUSTRIES                                   | PlotNo31P,SILATA INDL GORWTH CENTRE, PHASE-II RAIPUR 493111                                                                                                                 | Mr. Ankur Chadha                               | 9560454095                              | <a href="mailto:info@dharamindustries.in">info@dharamindustries.in</a>                                                                                                                                                               |
|                                                                     |                                                                                                                | M/s Rukmani Electrical & Component Pvt Ltd              | Urla Industrial Estate,Urla Sarora Road, Urla Raipur, C.G. - 493221                                                                                                         | Maruthi Kabra                                  | 7024135744<br>9330255908                | <a href="mailto:rukmanic@gmail.com">rukmanic@gmail.com</a><br><a href="mailto:rukmanimva@yahoo.co.in">rukmanimva@yahoo.co.in</a>                                                                                                     |
|                                                                     |                                                                                                                | M/s RR ISPAT LIMITED                                    | R.R. Ispat<br>(A Unit of Godawari Power & Ispat Limited)<br>HIRA Group of Industries 490/1 & 491/2, Urla Industrial Complex, Birgaon, Raipur – 492003, Chhattisgarh (India) | Rakesh Ku Pradhan                              | 0771 – 408 2350                         | <a href="mailto:info@rrispat.com">info@rrispat.com</a>                                                                                                                                                                               |
|                                                                     |                                                                                                                | M/s New Laxmi Steel & Power Pvt Ltd, Khurda             | Plot No.: A/22-25, Sarua Industrial Estate, Khordha, Odisha                                                                                                                 | Mr. Srikanth Samantray Er. Bipin Kumar Burnwal | 9437055908<br>6289715340                | <a href="mailto:newlaxmisteel@gmail.com">newlaxmisteel@gmail.com</a><br><a href="mailto:newlaxmisteeelfactory@gmail.com">newlaxmisteeelfactory@gmail.com</a>                                                                         |
|                                                                     |                                                                                                                | M/s Swastika Steel & Allied Products Pvt. Ltd., Howrah  | AT: 8/1, Nutan Para Road, Liluah, Howrah, West Bengal- 711204                                                                                                               | Mr. Ravinder Sharma                            | 9339775648                              | <a href="mailto:rks@swastikasteel.com">rks@swastikasteel.com</a>                                                                                                                                                                     |
|                                                                     |                                                                                                                | M/s K L Steels Pvt Ltd,Uttar Pradesh                    | G.T.Bulandshahar Road,Near Lal Kuan,Chipyana,Gautam Budh Nagar,Uttar Pradesh                                                                                                | Mr.Nageshwar Prasad<br>Mr.Jagdeesh Sharma      | 9810235789<br>7291992004                | <a href="mailto:mrc@klsons.in">mrc@klsons.in</a> <a href="mailto:sales.rajasthan@klsons.in">sales.rajasthan@klsons.in</a>                                                                                                            |
|                                                                     |                                                                                                                | M/s Vijay Transmission Pvt Ltd, Raipur                  | Kanhera,Dharsiva,Urla Acholi road,Raipur, Chhatisgarh                                                                                                                       | Mr.Abhishek Dwivedi Mr.A Kodape                | 9753872335<br>9425503518                | <a href="mailto:abhishekd@vijaytransmission.com">abhishekd@vijaytransmission.com</a><br><a href="mailto:koushals@vijaytransmission.com">koushals@vijaytransmission.com</a>                                                           |
| 28                                                                  | Rebar Lacing Pole/H-Pole                                                                                       | M/s Reliable Sponge Pvt Ltd, Sundergarh                 | Unit-3,Sagjore,Balanda,Sundergarh,Odisha                                                                                                                                    | Mr. Pranab Mohanty                             | 9437497402                              | <a href="mailto:ttt@reliableispat.com">ttt@reliableispat.com</a>                                                                                                                                                                     |
|                                                                     |                                                                                                                | M/s New Laxmi Steel & Power Pvt Ltd, Khurda             | Plot No.: A/22-25, Sarua Industrial Estate, Khordha, Odisha                                                                                                                 | Mr. Srikanth Samantray Er. Bipin Kumar Burnwal | 9437055908<br>6289715340                | <a href="mailto:newlaxmisteel@gmail.com">newlaxmisteel@gmail.com</a><br><a href="mailto:newlaxmisteeelfactory@gmail.com">newlaxmisteeelfactory@gmail.com</a>                                                                         |
| 29                                                                  | M.S/GI LT Distribution Box                                                                                     | M/s Bose Engineering (India) Pvt Ltd, Kolkata           | K-14 Behela Industrial Estate,620 D.H Road,Kolkata,West Bengal-700034                                                                                                       | Mr.Anindaya K Bose                             | 9830063810                              | <a href="mailto:anind_bose@yahoo.co.in">anind_bose@yahoo.co.in</a>                                                                                                                                                                   |
|                                                                     |                                                                                                                | M/s Technocrat Enterprises                              | S 3/22, New Industrial Estate, Jagatpur,Cuttack - 754021 Odisha                                                                                                             | Mr. Alok Kumar Sahu                            | 9861737710<br>Office phone-0671-2491479 | <a href="mailto:amit_technocrat@hotmail.com">amit_technocrat@hotmail.com</a>                                                                                                                                                         |
|                                                                     |                                                                                                                | M/s GOURAV ENERGEN INDIA PRIVATE LIMITED                | GEIPL, Administrative Block, Industrial Estate CB Gunj , Bareilly - 243502                                                                                                  | Mr. Rasik Verma                                | 6395338824                              | <a href="mailto:projects1@gouravenergen.co.in">projects1@gouravenergen.co.in</a>                                                                                                                                                     |
|                                                                     |                                                                                                                | M/s Ultima Switchgears Ltd.,Noida(Upto 63KVA)           | F-6/F-7,UPIIDC,Surajpur Industrial Area,Greater Noida,UP-201336                                                                                                             | Mr.Vansh Parmar                                | 9582221901<br>9953233568                | <a href="mailto:vdp@ultimaswitchgear.com">vdp@ultimaswitchgear.com</a>                                                                                                                                                               |
|                                                                     |                                                                                                                | Lan Engineering and Technologies                        | B-7 Sector-83 Noida - 201305<br>Vendor Code : 300375<br>GSTN No. : 09ALBP0004E1ZV                                                                                           | Mr.Amit kumar kataria<br>Mr.Rahul Chaudhary    | 9811011279<br>9811004836                | <a href="mailto:marketing@lanengineering.in">marketing@lanengineering.in</a>                                                                                                                                                         |
|                                                                     |                                                                                                                | M/s Arun Enterprises, Sahibabad, New delhi              | B-48,site IV,Sahibabad-201010 , Dist -Ghaziabad(UP)                                                                                                                         | Mr. Nayan Raj / Narendra singh                 | 7042896191<br>7042896177                | <a href="mailto:mktg2arunenterprises@gmail.com">mktg2arunenterprises@gmail.com</a> // <a href="mailto:td@arunenterprises.in">td@arunenterprises.in</a> // <a href="mailto:enquiry@arunenterprises.in">enquiry@arunenterprises.in</a> |
| 30                                                                  | All GI Channel, Angle , Flat, V Cross Arm & All Clamps,I-Hook<br>(MAKE- SAIL,JINDAL,RR ISPAT,RINL & TATA ONLY) | M/s Reliable Sponge Pvt Ltd, Sundergarh                 | Unit-3,Sagjore,Balanda,Sundergarh,Odisha                                                                                                                                    | Mr. Pranab Mohanty                             | 9437497402                              | <a href="mailto:ttt@reliableispat.com">ttt@reliableispat.com</a>                                                                                                                                                                     |
|                                                                     |                                                                                                                | M/s New Laxmi Steel & Power Pvt Ltd, Khurda             | Plot No.: A/22-25, Sarua Industrial Estate, Khordha, Odisha                                                                                                                 | Mr. Srikanth Samantray Er. Bipin Kumar Burnwal | 9437055908<br>6289715340                | <a href="mailto:newlaxmisteel@gmail.com">newlaxmisteel@gmail.com</a><br><a href="mailto:newlaxmisteeelfactory@gmail.com">newlaxmisteeelfactory@gmail.com</a>                                                                         |
|                                                                     |                                                                                                                | M/s. High Tension Electrical Equipments Pvt. Ltd,Howrah | 101, C Road, Belgachia, Dasnagar,Howrah, West Bengal                                                                                                                        | Mr.Kaushik Das                                 | 9831906005                              | <a href="mailto:comm1@hightension.in">comm1@hightension.in</a>                                                                                                                                                                       |
|                                                                     |                                                                                                                | M/s KSE Electricals,Howrah                              | 3rd Main road,NH-6,Begri,Howrah,West Bengal                                                                                                                                 | Mr.Ashis.K Palit                               | 9830547600                              | <a href="mailto:mktg@kse.in">mktg@kse.in</a>                                                                                                                                                                                         |
|                                                                     |                                                                                                                | M/s Industrial Forging Industries Pvt Ltd,Howrah        | Jalan Complex, Gate No.1, Biparnapara, Howrah,West Bengal                                                                                                                   | Mr.Amit Daga Mr.Arindam Dutta                  | 9831241956<br>7685835234                | <a href="mailto:amit@dagagroup.com">amit@dagagroup.com</a> <a href="mailto:mpandit@dagagroup.com">mpandit@dagagroup.com</a>                                                                                                          |
|                                                                     |                                                                                                                | M/s Vijay Transmission Pvt Ltd, Raipur                  | Kanhera,Dharsiva,Urla Acholi road,Raipur, Chhatisgarh                                                                                                                       | Mr.Abhishek Dwivedi Mr.A Kodape                | 9753872335<br>9425503518                | <a href="mailto:abhishekd@vijaytransmission.com">abhishekd@vijaytransmission.com</a><br><a href="mailto:koushals@vijaytransmission.com">koushals@vijaytransmission.com</a>                                                           |
|                                                                     |                                                                                                                | M/s. Aditya Electricals                                 | Office. 49,O Road Belgachia, Howrah-711108 (WB)<br>Works: 49,O Road Belgachia, Howrah-711108 (WB)                                                                           | Prasanta Giri<br>A Giri                        | 7980625626<br>7011624798                | <a href="mailto:adityaprashtangiri@gmail.com">adityaprashtangiri@gmail.com</a>                                                                                                                                                       |
|                                                                     |                                                                                                                | M/s Rahul Electricals,Howrah                            | P-85/22,Benaras Road,Belgachia,Howrah, West Bengal                                                                                                                          | Mr.Sachin Giri                                 | 7003284140<br>9836539130                | <a href="mailto:rahulelectricals40@gmail.com">rahulelectricals40@gmail.com</a>                                                                                                                                                       |
|                                                                     |                                                                                                                | M/s Jainco Transmission Ltd, Howrah                     | Jalan Complex, Gate No. 1, Lane No. 7, NH-6, Howrah, West Bengal                                                                                                            | Mr.Pratul Ghosh                                | 9831607956                              | <a href="mailto:engg@jainco.net">engg@jainco.net</a>                                                                                                                                                                                 |
|                                                                     |                                                                                                                | M/s Pramoda Engineering Works                           | S3/12, Phase-2,New industrial Estate,Jagatpur,Cuttack, Pin 754021 odisha.                                                                                                   | Mr. Rakhesh malla.                             | 9078071194<br>9437975180                | <a href="mailto:pramodaengineeringworks@yahoo.in">pramodaengineeringworks@yahoo.in</a>                                                                                                                                               |
|                                                                     |                                                                                                                | M/s BAID ELECTRICALS                                    | 32, EZRA STREET ,SOUTH BLOCK , 8TH FLOOR. ROOM NO. 812 A KOLKATA-700001                                                                                                     | Mr. PRAVEEN KR. BAID                           | M- 09432210061<br>M- 09831483305        | <a href="mailto:Baidelectricals&lt;baidlectricals@yahoo.com&gt;">Baidelectricals&lt;baidlectricals@yahoo.com&gt;</a>                                                                                                                 |
|                                                                     |                                                                                                                | M/s Rajesh Electricals, Howrah                          | Salap 1, Kantalia Industrial Complex, Howrah Amta Road, Nibra, Howrah, West Bengal                                                                                          | Mr. Rajesh Punatar                             | 9830169125                              | <a href="mailto:rajeshelectricalskol@gmail.com">rajeshelectricalskol@gmail.com</a>                                                                                                                                                   |
|                                                                     |                                                                                                                |                                                         |                                                                                                                                                                             |                                                |                                         |                                                                                                                                                                                                                                      |
| 31                                                                  | Hardware fittings,GI HT & LT Stay Set                                                                          | M/s Jainco Transmission Ltd, Howrah                     | Jalan Complex, Gate No. 1, Lane No. 7, NH-6, Howrah, West Bengal                                                                                                            | Mr.Pratul Ghosh                                | 9831607956                              | <a href="mailto:engg@jainco.net">engg@jainco.net</a>                                                                                                                                                                                 |
|                                                                     |                                                                                                                | M/s.UMA ELECTRICALS                                     | Plot No.:1010/1765, Ranigoda,Kamarda Bhograi,Baleswar,Odisha-756035                                                                                                         | Sanjib Kumar Pal                               | 9438344128                              | <a href="mailto:umaelectricals24@gmail.com">umaelectricals24@gmail.com</a>                                                                                                                                                           |
|                                                                     |                                                                                                                | M/s BAID ELECTRICALS                                    | 32, EZRA STREET ,SOUTH BLOCK , 8TH FLOOR. ROOM NO. 812 A KOLKATA-700001                                                                                                     | Mr. PRAVEEN KR. BAID                           | M- 09432210061<br>M- 09831483305        | <a href="mailto:Baidelectricals&lt;baidlectricals@yahoo.com&gt;">Baidelectricals&lt;baidlectricals@yahoo.com&gt;</a>                                                                                                                 |
|                                                                     |                                                                                                                | M/s Rahul Electricals,Howrah                            | P-85/22,Benaras Road,Belgachia,Howrah, West Bengal                                                                                                                          | Mr.Sachin Giri                                 | 7003284140<br>9836539130                | <a href="mailto:rahulelectricals40@gmail.com">rahulelectricals40@gmail.com</a>                                                                                                                                                       |
|                                                                     |                                                                                                                | M/s Industrial Forging Industries Pvt Ltd,Howrah        | Jalan Complex, Gate No.1, Biparnapara, Howrah,West Bengal                                                                                                                   | Mr.Amit Daga Mr.Arindam Dutta                  | 9831241956<br>7685835234                | <a href="mailto:amit@dagagroup.com">amit@dagagroup.com</a> <a href="mailto:mpandit@dagagroup.com">mpandit@dagagroup.com</a>                                                                                                          |



| Provisional Vendor List for New connection/Deposit works for TPSODL |                                                |                                                       |                                                                                                                                     |                                               |                                  | <br>TP SOUTHERN ODISHA<br>DISTRIBUTION LIMITED<br>(A Joint Venture of Tata Power and Government of Odisha)                                                                  |
|---------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr. No                                                              | Description of Material/ Equipment             | Manufacturer Name                                     | Contact Address                                                                                                                     | Contact Person                                | Contact No.                      | Email ID                                                                                                                                                                                                                                                       |
| 32                                                                  | GI Stay Wire ,GI Barbed Wire, GI Earthing Coil | M/s Pramoda Engineering Works                         | S3/12, Phase-2, New industrial Estate, Jagatpur, Cuttack, Pin 754021 Odisha.                                                        | Mr. Rakesh malla.                             | 9078071194<br>9437975180         | <a href="mailto:pramodaengineeringworks@yahoo.in">pramodaengineeringworks@yahoo.in</a>                                                                                                                                                                         |
|                                                                     |                                                | M/s Jainco Transmission Ltd, Howrah                   | Jalan Complex, Gate No. 1, Lane No. 7, NH-6, Howrah, West Bengal                                                                    | Mr. Pratul Ghosh                              | 9831607956                       | <a href="mailto:engg@jainco.net">engg@jainco.net</a>                                                                                                                                                                                                           |
|                                                                     |                                                | M/s Rahul Electricals, Howrah                         | P-85/22, Benaras Road, Belgachia, Howrah, West Bengal                                                                               | Mr. Sachin Giri                               | 7003284140<br>9836539130         | <a href="mailto:rahulelectricals40@gmail.com">rahulelectricals40@gmail.com</a>                                                                                                                                                                                 |
|                                                                     |                                                | M/s Industrial Forging Industries Pvt Ltd, Howrah     | Jalan Complex, Gate No.1, Biparnapara, Howrah, West Bengal                                                                          | Mr. Amit Daga Mr. Arindam Dutta               | 9831241956<br>7685835234         | <a href="mailto:amit@dagagroup.com">amit@dagagroup.com</a> <a href="mailto:mpandit@dagagroup.com">mpandit@dagagroup.com</a>                                                                                                                                    |
|                                                                     |                                                | M/s BAID ELECTRICALS                                  | 32, EZRA STREET, SOUTH BLOCK, 8TH FLOOR. ROOM NO. 812 A KOLKATA-700001                                                              | Mr. PRAVEEN KR. BAID                          | M- 09432210061<br>M- 09831483305 | <a href="mailto:Baidelectricals@yahoo.com">Baidelectricals@yahoo.com</a>                                                                                                                                                                                       |
|                                                                     |                                                | M/s R K Wire Products Ltd, Kolkata                    | Unit No-VII, 15th Floor, Tower-I, PS Srijan Corporate Park, Plot No G-2, Block-EP & GP, Sector-V, Salt Lake City, Kolkata - 700 091 | Mr. Indrajeet Banerjee                        | 9123380881                       | <a href="mailto:jb@rkwire.com">jb@rkwire.com</a> <a href="mailto:info@rkwire.com">info@rkwire.com</a>                                                                                                                                                          |
| 33                                                                  | GI Pipe                                        | M/s Tata Iron & Steel Ltd, Jamshedpur                 | 4, Armoury Road, Bistupur, Jamshedpur, Jharkhand, India-831001                                                                      |                                               |                                  | <a href="mailto:jbmd.marketingcomm@tatasteel.com">jbmd.marketingcomm@tatasteel.com</a>                                                                                                                                                                         |
|                                                                     |                                                | M/s Jainco Transmission Ltd, Howrah                   | Jalan Complex, Gate No. 1, Lane No. 7, NH-6, Howrah, West Bengal                                                                    | Mr. Pratul Ghosh                              | 9831607956                       | <a href="mailto:engg@jainco.net">engg@jainco.net</a>                                                                                                                                                                                                           |
|                                                                     |                                                | M/s Sree Jagannath Engineering Works                  | SJEW-01, DOMJUR ROAD, GOYESPUR HOWRAH, WEST BENGAL 711405                                                                           | Saurav Das<br>Mr. Bikash Singh                | 9147387233<br>8910418961         | <a href="mailto:siewtapan@gmail.com">siewtapan@gmail.com</a><br><a href="mailto:saurav.engineering@siewgroup.in">saurav.engineering@siewgroup.in</a>                                                                                                           |
|                                                                     |                                                | M/s SA Enterprise                                     | 2nd Floor, Room No. 34, 5/1 Kolkata 700001                                                                                          | Aayush Rungta                                 | 9831057222                       | <a href="mailto:dkrunsta@yahoo.com">dkrunsta@yahoo.com</a>                                                                                                                                                                                                     |
|                                                                     |                                                | M/s JAIN TUBEWELL ENGINEERING COMPANY                 | Room No-6, 2nd Floor KOLKATA - 700001                                                                                               | Mr. Vivek Jain                                | 8240312745                       | <a href="mailto:jaintubewell@gmail.com">jaintubewell@gmail.com</a>                                                                                                                                                                                             |
|                                                                     |                                                | M/s. UMA ELECTRICALS                                  | Plot No.: 1010/1765, Ranigoda, Kamarda Bhograi, Baleswar, Odisha-756035                                                             | Sanjib Kumar Pal                              | 9438344128                       | <a href="mailto:umaelectricals24@gmail.com">umaelectricals24@gmail.com</a>                                                                                                                                                                                     |
|                                                                     |                                                | M/s Lingraj PIPES pvt. Ltd.                           |                                                                                                                                     |                                               |                                  |                                                                                                                                                                                                                                                                |
|                                                                     |                                                | M/s KSE Electricals, Howrah                           | 3rd Main road, NH-6, Begri, Howrah, West Bengal                                                                                     | Mr. Ashis. K Palit                            | 9830547600                       | <a href="mailto:mktg@kse.in">mktg@kse.in</a>                                                                                                                                                                                                                   |
|                                                                     |                                                | M/s Industrial Forging Industries Pvt Ltd, Howrah     | Jalan Complex, Gate No.1, Biparnapara, Howrah, West Bengal                                                                          | Mr. Amit Daga Mr. Arindam Dutta               | 9831241956<br>7685835234         | <a href="mailto:amit@dagagroup.com">amit@dagagroup.com</a> <a href="mailto:mpandit@dagagroup.com">mpandit@dagagroup.com</a>                                                                                                                                    |
|                                                                     |                                                | M/s Rukmani Electrical & Component Pvt Ltd            | Urla Industrial Estate, Urla Sarora Road, Urla Raipur, C.G. - 493221                                                                | Maruthi Kabra                                 | 7024135744<br>9330255908         | <a href="mailto:rukmanicg@gmail.com">rukmanicg@gmail.com</a><br><a href="mailto:rukmanimva@yahoo.co.in">rukmanimva@yahoo.co.in</a>                                                                                                                             |
|                                                                     |                                                | M/s Pramoda Engineering Works                         | S3/12, Phase-2, New industrial Estate, Jagatpur, Cuttack, Pin 754021 Odisha.                                                        | Mr. Rakesh malla.                             | 9078071194<br>9437975180         | <a href="mailto:pramodaengineeringworks@yahoo.in">pramodaengineeringworks@yahoo.in</a>                                                                                                                                                                         |
|                                                                     |                                                | M/s Rahul Electricals, Howrah                         | P-85/22, Benaras Road, Belgachia, Howrah, West Bengal                                                                               | Mr. Sachin Giri                               | 7003284140<br>9836539130         | <a href="mailto:rahulelectricals40@gmail.com">rahulelectricals40@gmail.com</a>                                                                                                                                                                                 |
|                                                                     |                                                | M/s New Laxmi Steel & Power Pvt Ltd, Khurda           | Plot No.: A/22-25, Sarua Industrial Estate, Khordha, Odisha                                                                         | Mr. Srikant Samantray Er. Bipin Kumar Burnwal | 9437055908<br>6289715340         | <a href="mailto:newlaxmisteel@gmail.com">newlaxmisteel@gmail.com</a><br><a href="mailto:newlaxmisteeffactory@gmail.com">newlaxmisteeffactory@gmail.com</a>                                                                                                     |
|                                                                     |                                                | M/s Jindal Steel & Power Ltd, Bhubaneswar             | Plot no.3, Forest Park, Bhubaneswar-751009                                                                                          | Mr. Mehul Aggarwal                            | 9812063000<br>8288063000         | <a href="mailto:Mehul.aggarwal@jindalsteel.com">Mehul.aggarwal@jindalsteel.com</a>                                                                                                                                                                             |
|                                                                     |                                                | M/s Garg Fasteners, Ludhiana                          | Street No.5, Saheed Bhagat Singh Colony, (Near Swaran Cinema), Sherpur, Ludhiana-141010                                             |                                               |                                  | <a href="mailto:garg@gargfasteners.com">garg@gargfasteners.com</a>                                                                                                                                                                                             |
|                                                                     |                                                | M/s NEXO Industries Pvt Ltd, Ludhiana                 | Village Mangarh, Machhiwara Road, Kohara Ludhiana-141 112 (INDIA).                                                                  |                                               | 9814022767<br>9814222767         | <a href="mailto:info@nexoindia.com">info@nexoindia.com</a>                                                                                                                                                                                                     |
|                                                                     |                                                | M/s G.K. Winding Wires Ltd, Noida                     | B-20, UPSIDC Industrial Area, Site C, Surajpur, Greater Noida, (U.P)-201306                                                         |                                               | 8744005143                       | <a href="mailto:bd@gkwinning.com">bd@gkwinning.com</a>                                                                                                                                                                                                         |
|                                                                     |                                                | M/s Maheswari Fasteners & Bright Pvt. Ltd., Hyderabad | Plot No. - 152 & 154, IDA Medchal, Medchal, Hyderabad, Telangana - 501401, India                                                    |                                               | 9246887753<br>9246810800         | <a href="mailto:maheswarifasteners@gmail.com">maheswarifasteners@gmail.com</a><br><a href="mailto:mkte.mfb@gmail.com">mkte.mfb@gmail.com</a>                                                                                                                   |
|                                                                     |                                                | M/s Agarwal Fasteners Pvt Ltd, Maharashtra            | Plot No 11, Manohar Palghar Road, Chahade Village, Sajjanpada, Palghar (E), Thane Dist - 401404, Maharashtra, India                 | Mr. Arish Malvi                               | 7720010545                       | <a href="mailto:marketing@aplhome.com">marketing@aplhome.com</a>                                                                                                                                                                                               |
|                                                                     |                                                | M/s Techman India Ltd, Chandigarh                     | Plot No. 163, Phase 2, Industrial Area, Chandigarh-160002, India                                                                    | Mr. A.I Aggarwal                              | 8043051633                       |                                                                                                                                                                                                                                                                |
|                                                                     |                                                | M/s Millenium structurals (India ) Ltd, Indore        | Indore Trade Centre, 3/2, South Tukoganj, Indore-452002, Madhya Pradesh, India                                                      | Mr. Datta Hase                                | 9317878877                       |                                                                                                                                                                                                                                                                |
|                                                                     |                                                | M/s Strelling Bolts Pvt. Ltd, Kolkata                 | 1, Bonfield Lane, Kolkata, West Bengal                                                                                              |                                               | 9674161869                       | <a href="mailto:corporate@sterlingbolts.net">corporate@sterlingbolts.net</a>                                                                                                                                                                                   |
|                                                                     |                                                | M/s Pankaj International Ltd, Ludhiana                | B-40/III, Phase V, Focal Point, Ludhiana-141010 (INDIA)                                                                             |                                               | 9463400401                       | <a href="mailto:sales@pankajinternational.com">sales@pankajinternational.com</a><br><a href="mailto:quality@pankajinternational.com">quality@pankajinternational.com</a><br><a href="mailto:madhur@pankajinternational.com">madhur@pankajinternational.com</a> |
|                                                                     |                                                | M/s Ravi Engineers Ltd, Punjab                        | Plot No.179-183, Focal Point, Industrial Area, Amritsar, Punjab-143001                                                              |                                               | 9814050801<br>9814111804         | <a href="mailto:satvram@raviengineers.net">satvram@raviengineers.net</a>                                                                                                                                                                                       |
|                                                                     |                                                | M/s Precision Industrial Fasteners, Ludhiana          | Hara Industrial Estate, Near Sukhmani Kanda, Sua Road, Indl. Area-C, Ludhiana-141014. Punjab, INDIA                                 | Mr. Vekkas Banssal Mr. Sanjay Bansal          | 9878500193<br>9878400193         | <a href="mailto:vekkas@pafnuts.com">vekkas@pafnuts.com</a> <a href="mailto:sanjay@pafnuts.com">sanjay@pafnuts.com</a><br><a href="mailto:vekkasbanssal@yahoo.in">vekkasbanssal@yahoo.in</a>                                                                    |
|                                                                     |                                                | M/s Deepak Fasteners Ltd, Ludhiana                    | 4th Floor, First Mall, Mall Road, Ludhiana - 141001 Punjab, India                                                                   |                                               |                                  | <a href="mailto:sales@deepakfasteners.com">sales@deepakfasteners.com</a>                                                                                                                                                                                       |
|                                                                     |                                                | M/s Fit Right Nut and Bolts Pvt Ltd., Maharashtra     | E-27, Additional Ambernath Industrial Area, Anand Nagar, MIDC, Ambernath, Maharashtra-421506                                        |                                               |                                  | <a href="mailto:sales@fitright.co.in">sales@fitright.co.in</a>                                                                                                                                                                                                 |



| Provisional Vendor List for New connection/Deposit works for TPSODL |                                                                                  |                                                   |                                                                                                                                    |                                                    |                                  | <br>TP SOUTHERN ODISHA<br>DISTRIBUTION LIMITED<br>(A Joint Venture of Tata Power and Government of Odisha) |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr. No                                                              | Description of Material/ Equipment                                               | Manufacturer Name                                 | Contact Address                                                                                                                    | Contact Person                                     | Contact No.                      | Email ID                                                                                                                                                                                      |
| 34                                                                  | GI Bolts & Nuts                                                                  | M/s Bharat Industries, Gujarat                    | 8-A National Highway, Mahendranagar Morbi - 363 642 , Gujarat (India)                                                              |                                                    | 9825334342                       | <a href="mailto:info@bharatindustries.co.in">info@bharatindustries.co.in</a>                                                                                                                  |
|                                                                     |                                                                                  | Karamtara Engineering Pvt Ltd.,Maharashtra        | Plot No. A-12, MIDC, Tarapur, District : Palghar,401506, INDIA                                                                     | Mr.D B Subramanian (Assistant Manager)             | 2240710000                       | <a href="mailto:Sales.Fasteners@karamtara.com">Sales.Fasteners@karamtara.com</a>                                                                                                              |
|                                                                     |                                                                                  | M/s Bolt Master India Pvt Ltd, Maharashtra        | D- 1, Laghu Udyog Kendra, I.B. Patel Road Goregaon East, Mumbai-400063, Maharashtra, India                                         | Mr.Chirag Gambhira (Business Development Director) | 9819057175                       |                                                                                                                                                                                               |
|                                                                     |                                                                                  | M/s J.C. Fasteners Ltd, Haryana                   | Rohtak, Haryana, India                                                                                                             | Mr.Siddharth Jain                                  | 9896671140                       | <a href="mailto:siddharthji@gmail.com">siddharthji@gmail.com</a>                                                                                                                              |
|                                                                     |                                                                                  | M/s Bharati Overseas Ltd, Ludhiana                | B-29/6 & 12, N.P.C Transport Lane, Sherpur Chowk, G.T. Road, Ludhiana - 141003 (INDIA)                                             | Mr. Anil Bharti Mr. Sanjeev Bharti                 | 99151 99884<br>99156 03388       | <a href="mailto:info@bhartioverseas.org">info@bhartioverseas.org</a><br><a href="mailto:admin@bhartioverseas.co.in">admin@bhartioverseas.co.in</a>                                            |
|                                                                     |                                                                                  | M/s Remax India Fasteners Industries Ltd,Ludhiana | D-62, Focal Point Rd, Phase V, Focal Point, Ludhiana, Punjab -141010                                                               | Mr.S. Parminder Singh Mr.S. Manpreet Singh         | 94170 57262<br>9501017262        | <a href="mailto:info@remaxbolts.com">info@remaxbolts.com</a> <a href="mailto:export@remaxbolts.com">export@remaxbolts.com</a>                                                                 |
|                                                                     |                                                                                  | M/s Forex Fasteners, Ludhiana                     | Forex Estate, Dehlon Road, Vill. Dhrour, Sahnewal, District Ludhiana-141120, Punjab, India                                         |                                                    | 9855037567                       | <a href="mailto:customercare@forex.co.in">customercare@forex.co.in</a>                                                                                                                        |
|                                                                     |                                                                                  | M/s Rahul Electricals,Howrah                      | P-85/22,Benaras Road,Belgachia,Howrah, West Bengal                                                                                 | Mr.Sachin Giri                                     | 7003284140<br>9836539130         | <a href="mailto:rahulelectricals40@gmail.com">rahulelectricals40@gmail.com</a>                                                                                                                |
|                                                                     |                                                                                  | M/s A V Forgings,Punjab                           | 230, Industrial Area, Phase- IX Mohali(Punjab), India                                                                              | Mr.Vikas Gupta Mr.Anil Goyal                       | 09815354249<br>09814115092       | <a href="mailto:sales@avforgings.com">sales@avforgings.com</a>                                                                                                                                |
|                                                                     |                                                                                  | M/s Anshika Fasteners,Maharashtra                 | 216/217 Wanadongri, MIDC Hingna Road, Nagpur, India 440016                                                                         |                                                    | 9765550134                       | <a href="mailto:info@anshikafasteners.com">info@anshikafasteners.com</a>                                                                                                                      |
|                                                                     |                                                                                  | M/s Durafast Automatives Pvt Ltd, Andhra Pradesh  | Plot No.31. Block-E,Autonagar, Visakhapatnam,Andhra Pradesh,India-530012                                                           |                                                    |                                  | <a href="mailto:rudra.sahoo@aster.in">rudra.sahoo@aster.in</a>                                                                                                                                |
|                                                                     |                                                                                  | M/s Paramhari Engineers Pvt Ltd,Maharashtra       | Plot No 6A,Vijay Nagar,Nagpur,Maharashtra-440013                                                                                   |                                                    |                                  | <a href="mailto:glaw@isuberoi.com">glaw@isuberoi.com</a>                                                                                                                                      |
|                                                                     |                                                                                  | M/s Turbo Industries Pvt Ltd,Ludhiana             | Industrial Area C, Dhandari Kalan, Surjit Cinema Road, Ludhiana-141010, Punjab, India                                              | Mr.Sanjeev Kumar (HOD Design & Works)              | 8048935178                       |                                                                                                                                                                                               |
|                                                                     |                                                                                  | M/s BAID ELECTRICALS                              | 32, EZRA STREET ,SOUTH BLOCK , 8TH FLOOR. ROOM NO. 812 A KOLKATA-700001                                                            | Mr. PRAVEEN KR. BAID                               | M- 09432210061<br>M- 09831483305 | <a href="mailto:Baid.Electricals@baidellectricals@yahoo.com">Baid.Electricals@baidellectricals@yahoo.com</a>                                                                                  |
|                                                                     |                                                                                  | M/s Roshan Impex,Ludhiana                         | Plot No. 30-31, Street No. 3, Oswal Agro Plot, GT Road, Ludhiana-141003 Punjab-INDIA                                               | Mr. Narinder Singh (Managing Director)             | 9876036600                       | <a href="mailto:md@roshanimpex.in">md@roshanimpex.in</a>                                                                                                                                      |
|                                                                     |                                                                                  | M/s Isitva (Fasteners) Pvt Ltd,Hyderabad          | Survey No.58, Keesara Road,Nagaram Village,Hyderabad-501 301                                                                       |                                                    | 040-27127766                     | <a href="mailto:info@isitva.in">info@isitva.in</a>                                                                                                                                            |
| 35                                                                  | GI Earth Wire                                                                    | M/s Aarti Steels Ltd. ,Cuttack                    | Ghantikhal ,Mahakalabasta,Athgarh,Cuttack (Orissa)                                                                                 |                                                    | 91-671-7161000                   | <a href="mailto:info@aartisteelsltd.com">info@aartisteelsltd.com</a>                                                                                                                          |
|                                                                     |                                                                                  | M/s Kritika Wires (P) Ltd.,Kolkata                | No.1A, Bonfield Lane, Bara bazaar,Mezanine Floor,Caning Street,Kolkata, West Bengal, 700001                                        |                                                    | 3322429581                       |                                                                                                                                                                                               |
|                                                                     |                                                                                  | M/s UIC Udyog Limited,Kolkata                     | Anandlok, Block- A, 1st Floor, 227, A.J.C. Bose Road, Kolkata - 700020,West Bengal, India.                                         |                                                    |                                  | <a href="mailto:info@uicwires.com">info@uicwires.com</a> , <a href="mailto:sales@uicwires.com">sales@uicwires.com</a>                                                                         |
|                                                                     |                                                                                  | M/s R K Wire Products Ltd, Kolkata                | Unit No-VII, 15th Floor,Tower-I, PS Srijan Corporate Park,Plot No G-2, Block-EP & GP, Sector-V, Salt Lake City, Kolkata - 700 091  | Mr. Indrajeet Banerjee                             | 9123380881                       | <a href="mailto:ib@rkwire.com">ib@rkwire.com</a> <a href="mailto:info@rkwire.com">info@rkwire.com</a>                                                                                         |
|                                                                     |                                                                                  | M/s Bajrang Wire Products(India) Pvt Ltd, Jaipur  | E - 762(A), Road No. 9F - 1, Vishwakarma Industrial Area, Jaipur - 302 013, INDIA                                                  | Mr.Gajendra Maheshwari<br>Mr.Ashish Maheshwari     | 9414050162<br>9414052722         | <a href="mailto:enquiry@bairangergroup.com">enquiry@bairangergroup.com</a>                                                                                                                    |
|                                                                     |                                                                                  | M/s Tata Iron & Steel Ltd,Jamshedpur              | 4, Armoury Road, Bistupur,Jamshedpur,Jharkhand                                                                                     |                                                    |                                  | <a href="mailto:ibmd.marketingcomm@tatasteel.com">ibmd.marketingcomm@tatasteel.com</a>                                                                                                        |
|                                                                     |                                                                                  | M/s Usha Martin Industries Ltd,Kolkata            | 2A, Shakespeare Sarani,'Mangal Kalash',Kolkata                                                                                     |                                                    |                                  | <a href="mailto:marketing-east@ushamartin.com">marketing-east@ushamartin.com</a>                                                                                                              |
|                                                                     |                                                                                  | M/s Jainco Transmission Ltd, Howrah               | Jalan Complex, Gate No. 1, Lane No. 7, NH-6, Howrah, West Bengal                                                                   | Mr.Pratul Ghosh                                    | 9831607956                       | <a href="mailto:engg@jainco.net">engg@jainco.net</a>                                                                                                                                          |
| 36                                                                  | LT ABC Accesories, IPC (Insulated Piercing connector, Suspension, Dead end etc.) | M/s Jainco Transmission Ltd, Howrah               | Jalan Complex, Gate No. 1, Lane No. 7, NH-6, Howrah, West Bengal                                                                   | Mr.Pratul Ghosh                                    | 9831607956                       | <a href="mailto:engg@jainco.net">engg@jainco.net</a>                                                                                                                                          |
|                                                                     |                                                                                  | M/s Raychem RPG Pvt Ltd.,Gujarat (IPC Only)       | Kanjari,Jyoti Compound,Near Halol GIDC,Panchmahal,Gujarat                                                                          | Mr.Rahul Biswas Mr.Mehul Patel                     | 9771427299<br>9724304622         | <a href="mailto:rahul_biswas@raychemrpg.com">rahul_biswas@raychemrpg.com</a>                                                                                                                  |
|                                                                     |                                                                                  | M/s SICAME India Connectors Pvt Ltd,Tamilnadu     | 473/1(96),Sirkundram Village,Chengalpet Taluk,Kanchipuram,Sirkundram,Tamilnadu-603108                                              | Mr.Mahesh Kumar                                    | 9818156021                       | <a href="mailto:mahesh.gurjar@sicame.in">mahesh.gurjar@sicame.in</a>                                                                                                                          |
|                                                                     |                                                                                  | IAC Electricals Pvt. Ltd.                         | 701 Central plaza, 2/6 south Sarat Bose road, Kolkata-700020                                                                       | Maidul Islam Khan<br>Priyanka Sarkar               | 9734889136<br>6292286358         | <a href="mailto:maidul@iacelectricals.com">maidul@iacelectricals.com</a><br><a href="mailto:mkt.cr@iacelectricals.com">mkt.cr@iacelectricals.com</a>                                          |
| 37                                                                  | Fire Fighting Equipment                                                          | MINIMAX ,Gujarat                                  | Gunnebo India Private Ltd.Plot No. 1302-1306, GIDC Industrial Estate,Panchmahal, Halol - 389350, Gujarat,India                     |                                                    |                                  | <a href="mailto:info@minimax.co.in">info@minimax.co.in</a>                                                                                                                                    |
|                                                                     |                                                                                  | M/s Kanadia Fyr Fyter Pvt Ltd,Gujarat             | A-110, Kanara Business Centre, B/H. Everest Garden, Apartment Laxmi Nagar, Ghatkopar East, Sihor, Bhavnagar-334240, Gujarat, India | Mr.Akash Bhatt                                     | 9376717299                       |                                                                                                                                                                                               |
|                                                                     |                                                                                  | M/s Ceasefire Industries Pvt Ltd,Noida            | Plot No 4, 2nd Floor, Noida-Greater Noida Expy, Sector 135, Noida, Uttar Pradesh- 201304                                           |                                                    | 9540666666                       | <a href="mailto:response@ceasefire.in">response@ceasefire.in</a>                                                                                                                              |
|                                                                     |                                                                                  | M/s Aska Equipments Pvt Ltd,New Delhi             | R-482,New Rajendra Nagar,Gangaram Hospital Square,Shankar Road,New Delhi-110060                                                    |                                                    |                                  | <a href="mailto:sales@askagroup.com">sales@askagroup.com</a>                                                                                                                                  |
|                                                                     |                                                                                  | M/s Nitin Fire Protection Industries Ltd,Mumbai   | 501 Delta,Technology Street,Hiranandani Powai,Mumbai,INDIA : 400076                                                                |                                                    |                                  | <a href="mailto:nitinfire@vsnl.com">nitinfire@vsnl.com</a>                                                                                                                                    |

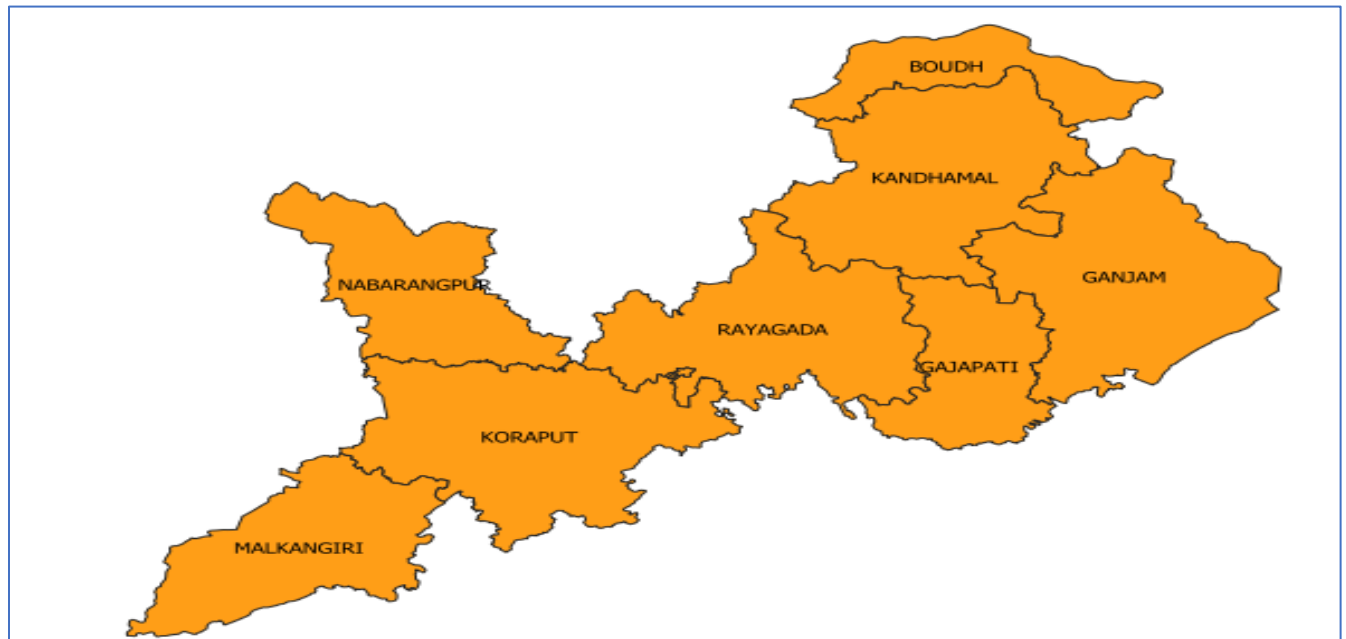




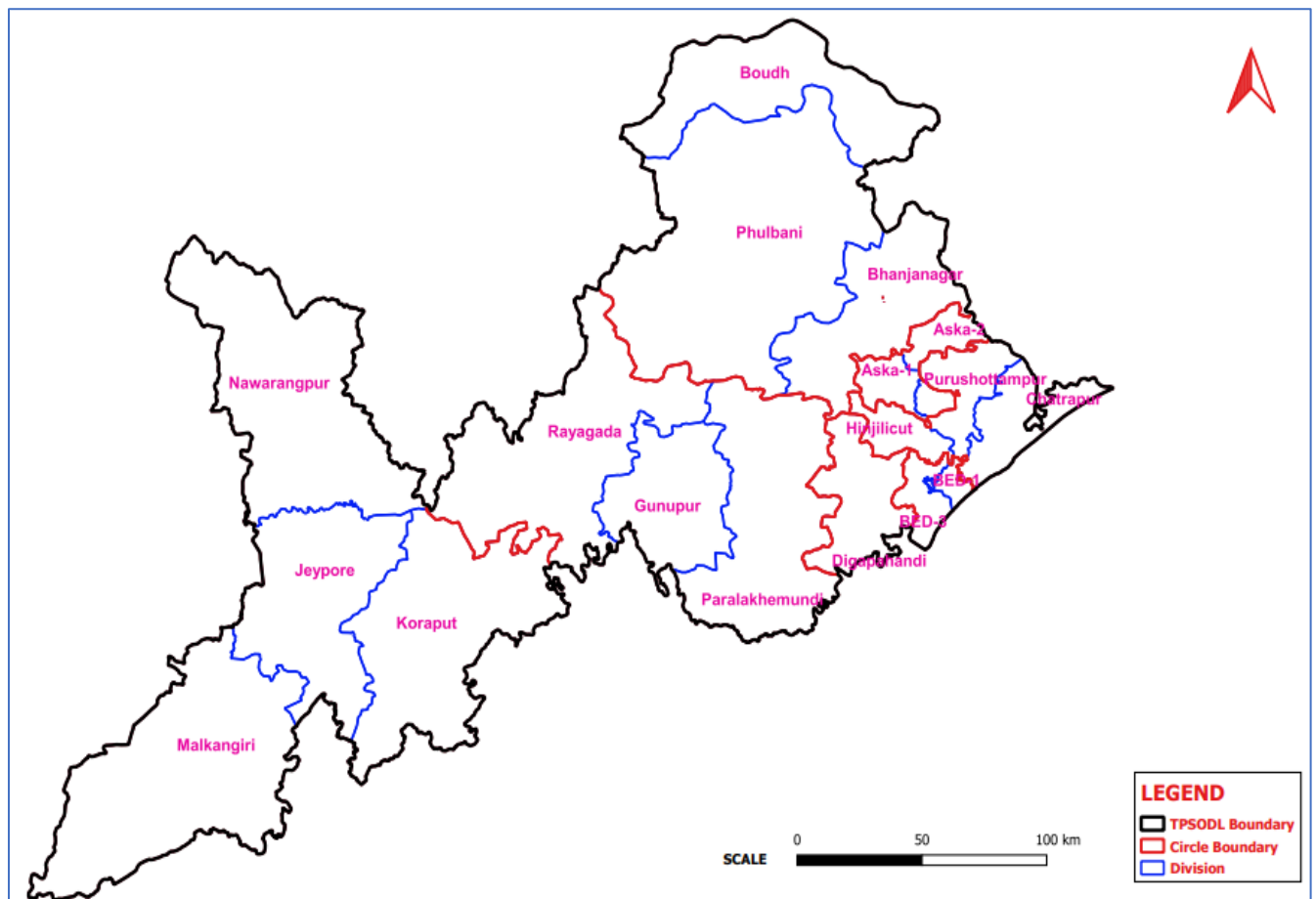
| Provisional Vendor List for New connection/Deposit works for TPSODL |                                                                                       |                                                   |                                                                                                                    |                                                  |                                         | <br>TP SOUTHERN ODISHA<br>DISTRIBUTION LIMITED<br>(A Joint Venture of Tata Power and Government of Odisha)                                                          |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr. No                                                              | Description of Material/ Equipment                                                    | Manufacturer Name                                 | Contact Address                                                                                                    | Contact Person                                   | Contact No.                             | Email ID                                                                                                                                                                                                                                               |
|                                                                     |                                                                                       | M/s Safex Fire Services Ltd,Mumbai                | A-202, Dhanraj Industrial Estate, Dhanraj Mill Compound, S. J. Road,Lower Parel (w), MUMBAI 400 013 INDIA          |                                                  |                                         | <a href="mailto:tejas@safexfire.com">tejas@safexfire.com</a>                                                                                                                                                                                           |
|                                                                     |                                                                                       | M/s The Zenith Engineers Ltd,West Bengal          | Karbala , Sonarpur, Vivekanand College, Narendrapur, Kolkata-700103, West Bengal, India                            | Mr. Subir Ghosh                                  | 08068441113<br>Dial(425) connected      |                                                                                                                                                                                                                                                        |
| 38                                                                  | Bird Cap                                                                              | M/s.3M Electro & Communication India Pvt Ltd,Pune | 145,Mumbai-Pune Road,Pimpri,Pune,Maharashtra                                                                       | Mr.Sujit Kumar Nayak Mr.Abhijit Bhagwat          | 9830662725<br>9850667259                | <a href="mailto:arbhagwat@mmm.com">arbhagwat@mmm.com</a> <a href="mailto:sknayak@mmm.com">sknayak@mmm.com</a>                                                                                                                                          |
|                                                                     |                                                                                       | M/s Raychem RPG Pvt Ltd.,Gujarat                  | Kanjari,Jyoti Compound,Nr Halol GIDC,Panchmahal,Gujarat                                                            | Mr.Rahul Biswas<br>Mr.Mehul Patel                | 9771427299<br>9724304622                | <a href="mailto:rahul_biswas@raychemrpg.com">rahul_biswas@raychemrpg.com</a>                                                                                                                                                                           |
| 39                                                                  | Bird Guard                                                                            | M/s Asian Loto Corporation Ltd, Haryana           | C-3,1st Floor,Arya Samaj Road,Nehru Ground,N.I.T,Faridabad-121001                                                  | Mr.Dipak Arora                                   | 9811320275<br>9599057159                | <a href="mailto:asianloto@asianloto.com">asianloto@asianloto.com</a><br><a href="mailto:sales@asianloto.com">sales@asianloto.com</a>                                                                                                                   |
|                                                                     |                                                                                       | M/s Mangal Enterprises Pvt Ltd, Delhi             | 1743/46, 1st Floor,Electrical Market,Bhagirath Palace,Chandini Chowk,Delhi-110006                                  | Mr.Bhuwan Pandey                                 | 8800702333                              | <a href="mailto:mangalenterprises2011@gmail.com">mangalenterprises2011@gmail.com</a>                                                                                                                                                                   |
|                                                                     |                                                                                       | M/s Namdhari Industrial Traders Pvt Ltd,Ludhiana  | Latton Dana,Chandigarh Road,Ludhiana-141003                                                                        | Mr.Gurjeet Singh                                 | 9814100398<br>9592000398                | <a href="mailto:namdhari_ind_traders@yahoo.com">namdhari_ind_traders@yahoo.com</a><br><a href="mailto:sales@namdharindtraders.com">sales@namdharindtraders.com</a>                                                                                     |
|                                                                     |                                                                                       | M/s Aishani Electronics Pvt. Ltd.                 | Office and Factory : J-488 MIDC Bhosari   Pune-411026   Maharashtra.                                               | Mr. Rohit Bhutoria                               | 9370146046                              | <a href="mailto:aishanielectronics@yahoo.com">aishanielectronics@yahoo.com</a>                                                                                                                                                                         |
|                                                                     |                                                                                       | M/s Rahul Powertech Engineers Pvt Ltd,Rajasthan   | A-807,Phase-2,Industrial Area,Bhilwadi,Alwar,Rajasthan                                                             | Mr.Yogendra Jain                                 | 9350863924<br>9810437369                |                                                                                                                                                                                                                                                        |
| 40                                                                  | Fuse wire                                                                             | M/s Perfect Sales corporation                     | Perfect Sales Corp., Plot. No-12, Sec-IIIC, IIE Pantnagar, SIDCUL, Rudrapur, Uttrakhand-263153                     | Mr. Yashpal Gugnani                              | 9810084903                              | <a href="mailto:info@perfectcpt.com">info@perfectcpt.com</a>                                                                                                                                                                                           |
|                                                                     |                                                                                       | M/s Ripkons Tradewings                            | Pocket- N1, Plot No.79, Sec-5 DSIDC, Bawana Industrial Area, Delhi-110039                                          | Mr. Nilesh Hirani                                | 9810764004                              | <a href="mailto:hiranineesh@yahoo.co.in">hiranineesh@yahoo.co.in</a>                                                                                                                                                                                   |
| 41                                                                  | Connectors & Lugs<br>(Tech. specification to be<br>superseed if MAKE is<br>specified) | M/s AXIS Electrical Components (I) Pvt. Ltd       | 149-BCD, Kandivali Co - op Industrial Estate, Charkop, Kandivali West, Mumbai-400067, Maharashtra, India.          | Mr. Jyoti Mhatre                                 | M: +91 7304445295<br>T: +91 22 67756027 | <a href="mailto:jyoti.m@axis-india.com">jyoti.m@axis-india.com</a>                                                                                                                                                                                     |
|                                                                     |                                                                                       | M/s Dowell's Cable Accessories                    | Polycab-Dowell's Unit-7, Village-vaseti, Taluka-Halol, District- Panchmahal                                        |                                                  | 0265-415-7234                           | <a href="mailto:enquiry@polycab.com">enquiry@polycab.com</a><br><a href="mailto:contactus.dowells@polycab.com">contactus.dowells@polycab.com</a>                                                                                                       |
|                                                                     |                                                                                       | M/s Jainco Transmission Ltd, Howrah               | Jalan Complex, Gate No. 1, Lane No. 7, NH-6, Howrah, West Bengal                                                   | Mr. Koustav Das                                  | 7278791702<br>9831022022                | <a href="mailto:info@jainco.net">info@jainco.net</a>                                                                                                                                                                                                   |
|                                                                     |                                                                                       | M/s Pioneer Power                                 | Laxmi Industrial Estate,Penkar Pada Road,Mera Road , Thane,Mumbai-401104                                           | Mr. Ravi Baranwal                                | 7977346826                              | <a href="mailto:info@pioneerpowers.com">info@pioneerpowers.com</a>                                                                                                                                                                                     |
|                                                                     |                                                                                       | M/s Braco Electricals                             | 010, Midas, Saar Plaza Complex, Next to Chakala Metro Station Gate # 3, J.B. Nagar, Andheri – EAST, MUMBAI 400 059 | Rameez Khan                                      | 9987233420                              | <a href="mailto:sales@braco.in">sales@braco.in</a>                                                                                                                                                                                                     |
|                                                                     |                                                                                       | M/s R G Electricals                               |                                                                                                                    | Mr Rama Chandra Senapati                         | 9937035447 / 9938648380                 | <a href="mailto:rgelectricals.enggudvyog@gmail.com">rgelectricals.enggudvyog@gmail.com</a>                                                                                                                                                             |
|                                                                     |                                                                                       | M/s Paragon                                       | W-57(B), MIDC, AMBAD, NASHIK-422010                                                                                | Mr. Sanjivani Kulkarni<br>MR SANDEEP CHANDWADKAR | 9890121230<br>9423554777<br>9890121230  | <a href="mailto:paragon_lugs&lt;paragon.lugs@gmail.com&gt;">paragon_lugs&lt;paragon.lugs@gmail.com&gt;</a><br><a href="mailto:paragon.lugs@gmail.com">paragon.lugs@gmail.com</a><br><a href="mailto:sandeep.lugs@gmail.com">sandeep.lugs@gmail.com</a> |
|                                                                     |                                                                                       | M/s Ravi Industries                               | SECTOR-53,PHASE-3,KUNDLI,SONIPAT HARYANA-131028                                                                    | Ms. Vijeta Hans                                  | 9560019276                              | <a href="mailto:tendermarketing1@deegeelitecables.com">tendermarketing1@deegeelitecables.com</a>                                                                                                                                                       |
|                                                                     |                                                                                       | M/s Anish Electricals                             | SHOP NO. 38, GROUND FLOOR,54 EZRA STREET,KOLKATA,West Bengal-700001                                                | Mr. Jigar Thakrar                                | 9051961610<br>033- 40240289             | <a href="mailto:info@anishlectricals.com">info@anishlectricals.com</a><br><a href="mailto:jigar@anishlectricals.com">jigar@anishlectricals.com</a>                                                                                                     |



District map where TPSODL supplies power is given below.



Administrative map of TPSODL is given below:



| Sr No | Circle    | Division            | Sub-Division     | Section Name       |
|-------|-----------|---------------------|------------------|--------------------|
| 1     | Aska      | Aska (AED-I)        | Aska             | No.-I Aska         |
| 2     |           |                     |                  | Balisira           |
| 3     |           |                     |                  | Dharakote          |
| 4     |           |                     | Nuagam           | Nuagaon-I          |
| 5     |           |                     |                  | Nuagaon-II         |
| 6     |           | K.S. Nagar (AED-II) | K.S. Nagar       | K.S. Nagar         |
| 7     |           |                     |                  | Budhamba           |
| 8     |           |                     | Buguda           | Buguda             |
| 9     |           |                     |                  | Balipadar          |
| 10    |           | Digapahandi (GSED)  | Digapahandi      | Digapahandi        |
| 11    |           |                     |                  | Pudamari           |
| 12    |           |                     |                  | Bomkei             |
| 13    |           |                     | Chikiti          | CHIKITI            |
| 14    |           |                     |                  | PATRAPUR           |
| 15    |           |                     |                  | SURANGI            |
| 16    |           |                     |                  | NUAPADA            |
| 17    | Berhampur | Chatrapur (GNED)    | Chatrapur        | No.-I, Chhatrapur  |
| 18    |           |                     |                  | No.-II, Chhatrapur |
| 19    |           |                     | Rambha           | Ganjam             |
| 20    |           |                     |                  | Rambha             |
| 21    |           |                     |                  | Malud              |
| 22    |           |                     | Khalikote        | Khalikote          |
| 23    |           |                     |                  | Keshpur            |
| 24    |           | Purusotampur (PSED) | Kodala           | Kodala             |
| 25    |           |                     |                  | Beguniapada        |
| 26    |           |                     | Purusotampur     | Purusotampur       |
| 27    |           |                     |                  | Taratarini         |
| 28    |           |                     | Polasara         | Polasara           |
| 29    |           |                     |                  | Chirikipada        |
| 30    |           | Hinjilicut (HED)    | Hinjilicut       | HINJILICUT         |
| 31    |           |                     |                  | KANCHURU           |
| 32    |           |                     |                  | PITALA             |
| 33    |           |                     | Sheragada        | SHERAGADA          |
| 34    |           |                     |                  | KONKARADA          |
| 35    |           |                     |                  | PATTAPUR           |
| 36    |           | Bhanjanagar (BNED)  | No.1,Bhanjanagar | TILISINGI          |
| 37    |           |                     |                  | E S O-I            |
| 38    |           |                     |                  | BHEJIPUT           |
| 39    |           |                     | No.2,Bhanjanagar | E S O-II           |
| 40    |           |                     |                  | K B PUR            |
| 41    |           |                     |                  | KANTEIPALLY        |
| 42    |           |                     | Sorada           | Sorada             |
| 43    |           |                     |                  | Badagad            |
| 44    |           |                     | Bellaguntha      | J N PRASAD         |
| 45    |           |                     |                  | BELAGUNTHA         |
| 46    |           |                     |                  | Phulbani           |

|    |                  |                |                 |                  |               |
|----|------------------|----------------|-----------------|------------------|---------------|
| 47 | Bhanjanagar      | Phulbani (PED) | Phulbani        | Phiringia        |               |
| 48 |                  |                |                 | Khajuripada      |               |
| 49 |                  |                | Balliguda       | BALLIGUDA        |               |
| 50 |                  |                |                 | TUMUDIBANDHA     |               |
| 51 |                  |                |                 | DARINGIBADI      |               |
| 52 |                  |                | G. Udayagiri    | G. Udayagiri     |               |
| 53 |                  |                |                 | Tikabali         |               |
| 54 |                  |                |                 | Raikia           |               |
| 55 |                  |                | Boudh (BOED)    | Boudh            | Boudh         |
| 56 |                  |                |                 |                  | Purunakatak   |
| 57 |                  | Manmunda       |                 | Manmunda         |               |
| 58 |                  |                |                 | Baunsuni         |               |
| 59 |                  | City Circle    | BED1            | Medical          | Medical       |
| 60 |                  |                |                 | Medical          | Ambapua       |
| 61 | Industrial       |                |                 | City Hospital    |               |
| 62 |                  |                |                 | Lanjipali        |               |
| 63 | Gopalpur         |                |                 | Gopalpur         |               |
| 64 | Gopalpur         |                |                 | Bhanja Vihar     |               |
| 65 | Gopalpur         |                |                 | Narendrapur      |               |
| 66 | BED2             |                |                 | SDO-1            | Aska Road     |
| 67 |                  |                | Old Berhampur   |                  |               |
| 68 |                  |                | Gate Bazar      |                  |               |
| 69 |                  |                | SDO-3           | Gosaninuagan     |               |
| 70 |                  |                |                 | Gandhinagar      |               |
| 71 | BED3             |                | SDO-4           | Kukudakhandi     |               |
| 72 |                  |                |                 | N.K. Nagar/Lathi |               |
| 73 |                  |                |                 | Lochapada        |               |
| 74 |                  |                | Kanisi          | KANISI           |               |
| 75 |                  |                |                 | JAGAPUR          |               |
| 76 |                  |                |                 | GOLANTHARA       |               |
| 77 |                  |                |                 | Jeypore          | Jeypore (JED) |
| 78 | JYP NO.3         |                |                 |                  |               |
| 79 | B P GUDA         |                |                 |                  |               |
| 80 | JESD-2 Jeypore   | JYP NO.1       |                 |                  |               |
| 81 |                  | KUNDRA         |                 |                  |               |
| 82 |                  | RANDHAPALLI    |                 |                  |               |
| 83 | Boriguma         | BORIGUMA       |                 |                  |               |
| 84 |                  | KOTPAD         |                 |                  |               |
| 85 |                  | B.SINGIPUR     |                 |                  |               |
| 86 | Malkangiri (MED) | Malkangiri     | MALKANGIRI      |                  |               |
| 87 |                  |                | KALIMELA        |                  |               |
| 88 |                  | Balimela       | Balimela        |                  |               |
| 89 |                  |                | Mathili         |                  |               |
| 90 |                  | Koraput        | No-I, Koraput   |                  |               |
| 91 |                  |                | No.-II, Koraput |                  |               |
| 92 |                  | Sunabeda       | SUNABEDA        |                  |               |
| 93 |                  |                | SIMILIGUDA      |                  |               |

|     |          |                       |                |                         |
|-----|----------|-----------------------|----------------|-------------------------|
| 94  |          | Koraput(KED)          | Sunabeda       | PATTANGI                |
| 95  |          |                       |                | NANDAPUR                |
| 96  |          |                       |                | LAXMIPUR                |
| 97  |          |                       |                | BANDHUGAON              |
| 98  |          |                       |                | KAKIRIGUMA              |
| 99  |          | Nawarangpur (NED)     | Nawarangpur    | N G PUR Urban           |
| 100 |          |                       |                | NABARANGPUR<br>RURAL    |
| 101 |          |                       |                | T KHUNTI                |
| 102 |          |                       | Papadahandi    | PAPADAHANDI             |
| 103 |          |                       |                | DABUGAON                |
| 104 |          |                       |                | KOSAGUMUDA              |
| 105 |          |                       | Umarkote       | UMERKOTE                |
| 106 |          |                       |                | RAIGHAR                 |
| 107 |          |                       |                | JHARIGAM                |
| 108 |          |                       |                | CHANDAHANDI             |
| 109 | Rayagada | Paralakhemundi (PKED) | Paralakhemundi | Paralakhemundi<br>Town  |
| 110 |          |                       |                | Paralakhemundi<br>Rural |
| 111 |          |                       | Upalada        | Upalada                 |
| 112 |          |                       |                | Garabandha              |
| 113 |          |                       |                | Raigada                 |
| 114 |          |                       | Kasinagar      | Kasinagar               |
| 115 |          |                       |                | Gumma                   |
| 116 |          |                       |                | Mohana                  |
| 117 |          |                       | Mohana         | Chandragiri             |
| 118 |          |                       |                | Adava                   |
| 119 |          |                       |                | R. Udaygiri             |
| 120 |          |                       | R. Udaygiri    | Khajuripada             |
| 121 |          | Rayagada (RED)        | Rayagada       | RAYAGADA-1              |
| 122 |          |                       |                | RAYAGADA-2              |
| 123 |          |                       |                | RAYAGADA RURAL          |
| 124 |          |                       |                | J.K.PUR                 |
| 125 |          |                       | Therubali      | THERUBALI               |
| 126 |          |                       |                | SIKARPAI                |
| 127 |          |                       |                | KASIPUR                 |
| 128 |          |                       | Bisama Cuttack | Bisama Cuttack          |
| 129 |          |                       |                | Muniguda                |
| 130 |          | Gunupur (GED)         | Gunupur        | Gunupur Town            |
| 131 |          |                       |                | Gunupur Rural           |
| 132 |          |                       | Gumuda         | GUMUDA                  |
| 133 |          |                       |                | PADMAPUR                |
| 134 |          |                       |                | GUDARI                  |
| 135 |          |                       |                | RAMNAGUDA               |

| Tender No:-TPSODL/OT/2025-26/ 2500001007                                                                           |                                                                                                   |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Package Name:- Rate Contract for System Improvement Works under the Elephant Corridor Program, on 'turnkey' basis. |                                                                                                   |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                              |
| Reply to Techno Commercial Pre Bid Query                                                                           |                                                                                                   |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                              |
| Sr. No.                                                                                                            | Detailed Reference to TPSODL Technical Document. Please specify Document No / Clause No / Page No | Description as per Bid Document                                                                                                                                                                                                      | Remarks - Query / Clarification                                                                                                                                                                                                                                                                     | TPSODL Response                                                                                                                                                                              |
| 1                                                                                                                  | 2                                                                                                 | 3                                                                                                                                                                                                                                    | 4                                                                                                                                                                                                                                                                                                   | 5                                                                                                                                                                                            |
| 1                                                                                                                  | 1.7 (i) Qualification Criteria                                                                    | 11kV and 33kV Electrical Distribution works (including overhead line of minimum 80 Ckt. Kms) on EPC Contract / Turnkey Contract basis of cumulative value of Rs 60 Cr. in last three financial years                                 | Kindly allow last 05 financial years in place of 03 financial years                                                                                                                                                                                                                                 | OK, Accepted                                                                                                                                                                                 |
| 2                                                                                                                  | 7.1 (IV)-Guarantee Period / Warranty Period:                                                      | 60 months from the date of commissioning as certified by EIC. (This clause shall supersede the warranty clause mentioned in technical specification).                                                                                | Major / Key items it may be considered for warranty period as mentioned in the tender document but for Non Key items, it could not possible to provide warranty period of 60 month from OEM/Manufacturer                                                                                            | It is a trunky contract, Tender conditions to be complied.                                                                                                                                   |
| 3                                                                                                                  | Electrical inspection by Electrical Inspection, Goo after completion of work                      | All statutory charges towards inspection shall be within scope of the contractor. i.e Statutory fees as applicable regarding Electrical Inspection for entire scope of work                                                          | Kindly allow as per ODSSP- IV project Inspection Clause.                                                                                                                                                                                                                                            | This is a separate tender with specific term and condition. No change, Tender conditions to be complied.                                                                                     |
| 4                                                                                                                  | Annexure-II, Scope of Work                                                                        | Note - Before execution of the work, TPSODL must intimate the concerned DFO/DFO (wild life) and get the clearance from them to start the work in corridors under their jurisdiction and BA shall assist TPSODL for the same.         | All clearance (Forest//Wildlife) should be in account of TPSODL Scope. And associated statutory charges (towards Deforestation, Plantation etc -towards compensatory afforestation and land transfer) should be in the Scope of TPSODL<br>Need more clarification from your end.                    | Tender conditions to be complied.                                                                                                                                                            |
| 5                                                                                                                  | Tech. Spec.                                                                                       | High Density Polyethylene (HDPE) pipe 160mm diameter, PE 80-PN9                                                                                                                                                                      | PE 80 PN 9 TS required, PE 80 PN 8 TS available. Kindly advice which will be applicable                                                                                                                                                                                                             | TS to be followed                                                                                                                                                                            |
| 6                                                                                                                  | BOQ (Supply)                                                                                      | FRP CROSS ARM 1070MM 415V                                                                                                                                                                                                            | Approved vendor name required                                                                                                                                                                                                                                                                       | EPP Composites Pvt Ltd, RMC Switchgears Ltd                                                                                                                                                  |
| 7                                                                                                                  | Due Date Extn.                                                                                    | Extension of due date of Bid Submission from 18-08-2025                                                                                                                                                                              | Kindly extend the due date of bid submission at least 07-10 days from its existing due date as so many holidays are ensuing in this week and most of the vendors unable to give us their rates. Kindly allow us few days extension to enable us to participate above tender with competitive rates. | Please refer Corrigendum-1 and it is extended up to 25.08.2025                                                                                                                               |
| 8                                                                                                                  | Annexure - I under bottom of page 20                                                              | TPSODL reserve the right to consider / avail only supply or service/erection from the bidder based on requirements                                                                                                                   | Kindly give us clear information / instruction regarding supply of materials and erection/service on which TPSODL has reserve the materials                                                                                                                                                         | It is intended to award/execute the work on trunky basis. However in case of any delay attribute to bidder, TPSODL reserves the right to deliver on behalf of Bidder at their RISK and COST. |
| 9                                                                                                                  | 7.1 (II)-Price Variation                                                                          | The Contract price comprising of Supply, Installation, Testing and Commissioning shall remain FIRM during the entire Contract period                                                                                                 | Kindly allow Price Variation Clause                                                                                                                                                                                                                                                                 | It is a turnkey contract. Hence, no change. Tender conditions to be complied.                                                                                                                |
| 10                                                                                                                 | 7.1 (III)-Performance Guarantee (CPBG):                                                           | Three percent (3%) of the Rate Contract Price (including GST) But, validity for period of 72 months from the date of award of Rate Contract. Additionally, claim period shall be 12 months from the date of Bank Guarantee Validity. | Though, Rate contract will remain valid for a period of 12 months from date of award of work, CPBG seeking validity upto 72 months + Claim Period another 12 Months which is resonally excess. Request you to kindly reduce additional period i.e. 12 months mentioned in the tender documents.     | This CPBG is for contract performance as well as the equipment / service warranty. So the validity of CPBG is 72 months.                                                                     |
| 11                                                                                                                 |                                                                                                   | For Supply: -<br>10% in Advance against ABG<br>50% after Supply of Materials<br>25% after Commissioning/Erection/Work completion certificate<br>15% after Post Completion of HOTO by DFO / Concerned Govt. Department                | Kindly allow payment terms 30% after Commissioning / Erection / Work completion instead of 25% after supply of materials.                                                                                                                                                                           | No Change, Tender conditions to be complied.                                                                                                                                                 |

|    |                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 12 | 7.2-Payment Terms                                                                                                                                                                            | For ITC: -<br>10% in Advance against ABG<br>25% after actual executed works towards RA1<br>25% after actual executed works towards RA2<br>25% after Commissioning/Erection/Work completion certificate<br>15% after Post Completion of HOTO by DFO / Concerned Govt. Department | More Clarity required in ITC (In 2nd & 3rd Succession) which are<br>25% after actual works towards RA1<br>25% after actual works towards RA2<br>Kindly advice above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Maximum Two Number of RA bills shall be submitted by BA against the each RO</b>                                             |
| 13 | Clause No. 4, 3 / Page No. 4 of Tender Specification No. TPU-D-ENG-EHV-10062 for 33kV MVCC Specification, Dtd 17.10.2024                                                                     | AAAC AL59                                                                                                                                                                                                                                                                       | We will supply AAAC AL-7 type conductor for 11kV 100 Sq.mm & 33kV 160 Sq.mm. Kindly consider our request on this, as this is a proven product supplied in India and Globally. Also we would like to highlight Raychem RPG have supplied more than 8000KMs of covered conductor in India itself including Tata Power Odisha of 1200KMs. Further we wish to highlight there is no much technical benefits of shifting to AL-59 type conductor (High Ampacity & Less Mechanical Strength).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>TS to be followed (TPU-D-ENG-EHV-10062 for 33 KV Covered conductor and TPU-D-ENG-HV-20068 for 11 KV covered conductor )</b> |
| 14 | Clause No. 4, 8 / Page No. 4 of Tender Specification No. TPU-D-ENG-HV-20068 for 11kV MVCC Specification, Dtd. 17.10.2024 & TPU-D-ENG-EHV-10062 for 33kV MVCC Specification, Dtd 17.10.2024   | Longitudinal water sealing                                                                                                                                                                                                                                                      | We are requesting TPSODL to consider the previous specifications for longitudinal water sealing (ENG-HV-2006 for 11kV MVCC Specification, Dtd. 10.12.2022 & ENG-EHV-1009 for 33kV MVCC Specification, Dtd. 10.12.2022.), where it was mentioned - The Stranded Conductor shall be longitudinally water tight by means of a water blocking material incorporated during the extrusion process. The use of grease/water swell able tape / water swell able powder etc. is not permitted. The water blocking material shall be stable at maximum operating conductor temperature of 90 Deg. Cent. The water blocking compound shall be compatible with the conductor material as well as the semi conducting screen layer above it and not adversely affect its electrical or mechanical properties. As the revised specification dilutes the water blocking property, which is an important / critical aspect of covered conductor's long term performance and reliability. | <b>TS to be followed (TPU-D-ENG-EHV-10062 for 33 KV Covered conductor and TPU-D-ENG-HV-20068 for 11 KV covered conductor )</b> |
| 15 | Clause No. 5B, 2a / Page No. 5 of Tender Specification No. TPU-D-ENG-HV-20068 for 11kV MVCC Specification, Dtd. 17.10.2024 & TPU-D-ENG-EHV-10062 for 33kV MVCC Specification, Dtd 17.10.2024 | Insulation Screen                                                                                                                                                                                                                                                               | We wish to highlight, no standard calls for 0.5 mm thickness of semiconductor screen. However as per EN-50397-1 - 2020 it clearly specify the overall thickness for 11kV Covered Conductor is 2.6 mm & for 33kV it is 3.93 mm.<br><br>The function of the conductor screen is to even out the electrical stress on the insulation. For this purpose, a thickness of 0.3 mm is more than sufficient, which we have achieved and hence type tested.<br><br>Increasing the thickness to 0.5 mm would only worsen the product by adding unnecessary weight, without offering any additional technical benefit.                                                                                                                                                                                                                                                                                                                                                                | <b>TS to be followed (TPU-D-ENG-EHV-10062 for 33 KV Covered conductor and TPU-D-ENG-HV-20068 for 11 KV covered conductor )</b> |
| 16 | Clause No. 12 / Page No. 10 of Tender Specification No. TPU-D-ENG-HV-20068 for 11kV MVCC Specification, Dtd. 17.10.2024 & TPU-D-ENG-EHV-10062 for 33kV MVCC Specification, Dtd 17.10.2024    | Packing                                                                                                                                                                                                                                                                         | We are requesting TPSODL to consider packing as per previous specification of 11kV & 33kV covered conductor. (ENG-HV-2006 for 11kV MVCC Specification, Dtd. 10.12.2022 & ENG-EHV-1009 for 33kV MVCC Specification, Dtd. 10.12.2022.) - Wooden / Steel Drum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>TS to be followed (TPU-D-ENG-EHV-10062 for 33 KV Covered conductor and TPU-D-ENG-HV-20068 for 11 KV covered conductor )</b> |

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| 17 | Clause No. 5A /13 Page No. 5 of Tender Specification No. TPU-D-ENG-HV-20068 for 11kV MVCC Specification, Dtd. 17.10.2024 & TPU-D-ENG-EHV-10062 for 33kV MVCC Specification, Dtd 17.10.2024 | Lay Ratio                                                                                                                                       | Lay Ratio Test is not applicable as per EN - 50397-1 of Covered Conductor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>TS to be followed (TPU-D-ENG-EHV-10062 for 33 KV Covered conductor and TPU-D-ENG-HV-20068 for 11 KV covered conductor )</b> |
| 18 | Raychem RPG Observation / Suggestion                                                                                                                                                       |                                                                                                                                                 | Since this tender calls for Elephant Corridor project, where safety & reliability plays a very pivotal role to safeguard the life of wildlife animals from any type of electrocution, and covered conductor is one of the key product. Hence proper installation will play a major role along with the supply. We therefore request TPSODL to have a thought on this & advise the respective EPCs to use covered conductor from reputed OEMs including installation from them. This will help TPSODL to held OEM to take complete accountability and reliability of the network. Also, TPSODL can impose an additional warranty directly from the OEM on behalf of the EPCs, who are participating in the tender. | <b>Tender conditions to be complied.</b>                                                                                       |
| 19 | BOQ SL. No - 28                                                                                                                                                                            | High Density Polyethylene (HDPE) pipe 160mm diameter, PE 80- <b>PN9</b>                                                                         | Nominal Pressure rating is PN9 or PN8. Because in technical specification it is mentioned PN8 for 160mm dia HDPE Pipe. Please clarify.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>TS to be followed</b>                                                                                                       |
| 20 | BOQ SL. No - 42                                                                                                                                                                            | STEEL STRAP SIZE 20 MMX50 M LONG                                                                                                                | please provide thickness of STEEL STRAP. Technical specification not available .Please provide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Refer clause 5.4 of TS ENG-LV-3003</b>                                                                                      |
| 21 | BOQ SL. No - 43                                                                                                                                                                            | BUCKLES FOR STEEL STRAP (1 EA = 100 NOS)                                                                                                        | Technical specification not available .Please provide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>TS has already been uploaded in portal ,Refer TS ENG-LV-3003</b>                                                            |
| 22 | BOQ SL. No - 83                                                                                                                                                                            | Anticlimbing device Pole Spike                                                                                                                  | Technical specification not available .Please provide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Refer TS ENG-GEN-Anticlimbing device(GI Barbed Wire</b>                                                                     |
| 23 | BOQ SL. No - 22                                                                                                                                                                            | 3CX400 mm2 33KV XLPE Cable (Armoured), A2XWY                                                                                                    | Technical specification not available .Please provide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Please refer TPU-D-ENG-EHV-10059</b>                                                                                        |
| 24 | BOQ SL. No - 119                                                                                                                                                                           | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                                                                        | Are both the items are same. Please clarify.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Both are same</b>                                                                                                           |
| 25 | BOQ SL. No - 120                                                                                                                                                                           | LA 12KV 10KA M-OXIDE GAPLESS POLYMER15KV                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                |
| 26 | BOQ SL. No - 125                                                                                                                                                                           | Supply, Installation & commissioning of Aniders                                                                                                 | Technical specification not available .Please provide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Please refer Corrigendum-2</b>                                                                                              |
| 27 | <b>PART B: Erection of Materials</b>                                                                                                                                                       |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                |
| 28 | BOQ SL. No - 40                                                                                                                                                                            | BOARD DANGER 400/440 VOLT                                                                                                                       | Against the item Unit is mentioned in Kg. Please confirm whether unit is in <b>Kg or No.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Please refer Corrigendum-2</b>                                                                                              |
| 29 | <b>PART B: Civil &amp; Services</b>                                                                                                                                                        |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                |
| 30 | BOQ SL. No - 16                                                                                                                                                                            | Sundries (LDPE Tape, etc)                                                                                                                       | Please provide specification and length of the LDPE Tape.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Drawings of LDPE tape is enclosed. Please refer. Length shall be as per site requirement.</b>                               |
| 31 | BOQ SL. No - 17                                                                                                                                                                            | BA will provide necessary Manpower,FRP Fencing & Ms Material for construction boundary wall fencing as per TPSODL Drawing, specification & GTP. | Please provide drawing of boundary wall fencing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Please refer Corrigendum-2</b>                                                                                              |
| 32 | BOQ SL. No - 26                                                                                                                                                                            | Survey of incremental/delta network and assets changes of 11kV network and updation in GESW databas                                             | Against the item Unit is mentioned in <b>No.</b> We are unable understand the description of the item and unit. Please clarify in this regard.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>The cost will attribute to GIS mapping activities for bringing network changes of executed scheme into GIS system.</b>      |
| 33 | BOQ SL. No - 27                                                                                                                                                                            | Survey of incremental/delta network and assets changes of 11kV network and updation in GESW databas(RMU)                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                |
| 34 | BOQ SL. No - 29                                                                                                                                                                            | Survey of incremental/delta network and assets changes of 33kV network and updation in GESW databas                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                |
| 35 | BOQ SL. No - 31                                                                                                                                                                            | BA will provide necessary Manpower,civil material & Ms Material for construction of Brick boundary wall fencing 3MX3M.                          | Please provide detaied drawing with foundation details.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Please refer Corrigendum-2</b>                                                                                              |



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| 36 |                                                           | Completion Period                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Please specify the completion period.                                                                                                                                                                                                      | Delivery period for specific work shall be mentioned in Firm Work Release Order OR will have to complete the different works in same Release order as per mutually agreed schedule.                                       |
| 37 | 7.0 Post Award Contract Administration (Page no: 14/37).  | Award of Contract:<br>Rate contract will remain valid for a period of 12 months from date of award of work. However, delivery period for specific work shall be mentioned in Firm Work Release Order OR will have to complete the different works in same Release order as per mutually agreed schedule.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1) Is RC shall be issued for Total contract Value?<br>2) Is RO shall be issued on Total RC Value or LOT wise or Division wise?<br>3) What is the Time duration for release of RO for entire/total scope of work.<br><b>Please Confirm.</b> | RC Shall be issued LOT wise. However, delivery period for specific work shall be mentioned in Firm Work Release Order OR will have to complete the different works in same Release order as per mutually agreed schedule. |
| 38 | III. Performance Guarantee: (Page no: 14/37).             | Performance Guarantee:<br>The Contract Performance Bank Guarantee (CPBG) amount shall be equal to Three percent (3%) of the Rate Contract Price (including GST). Bank Guarantee shall be valid for period of 72 months from the date of award of Rate Contract. Additionally, claim period shall be 12 months from the date of Bank Guarantee Validity. In case the contract price gets revised, BA shall submit the amended Bank Guarantee to that effect. The aforesaid CPBG shall be returned to the Contractor after successful completion of the guaranteed obligations under the contract.                                                                                                                                                                                          | <b>Please consider the below:</b><br>Bank Guarantee shall be valid for period of 24 months from the date of award of Rate Contract. Additionally, claim period shall be 3 months from the date of Bank Guarantee Validity.                 | <b>Please refer response of SI no-10</b>                                                                                                                                                                                  |
| 39 | IV. Guarantee Period / Warranty Period: (Page no: 15/37.) | Guarantee Period / Warranty Period:<br>The materials to be supplied by the BA shall be guaranteed for satisfactory operation against defects in design and workmanship for a period of 60 months from the date of commissioning as certified by EIC. (This clause shall supersede the warranty clause mentioned in technical specification).                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Please Consider the followings:</b><br>The Guarantee / Warranty period shall be for a period of 12 months from the date of commissioning as certified by EIC.                                                                           | <b>No change, Tender conditions to be complied.</b>                                                                                                                                                                       |
| 40 | 16. TAKING OVER (Page no: 27/37).                         | 16. TAKING OVER<br>Upon successful completion of all the tests to be performed at site on equipment / materials supplied, erected and commissioned by the BA, the supply engineer shall issue to the BA a taking over certificate as a proof of the final acceptance of the equipment / materials on a written request within 10 days of commercial operation. Such certificate shall not be unreasonably withheld nor will the engineer delay the issuance thereof on account of minor omission or defects, which do not affect the commercial operation and / or cause any serious to the equipment/material. The conditional Taking over Certificate can be issued if any minor omission or defects pointed by the Engineer-in-Charge/Supervising Officer/Electrical Inspector. The BA | Upon successful completion and commission of the materials, erection, civil works for individual scope as defined in Division wise instead of total scope of work.                                                                         | <b>No Change, Tender conditions to be complied.</b>                                                                                                                                                                       |
| 41 | 20. ROW Issues: (Page no: 28/37).                         | 20. ROW Issues:<br>Any ROW issue arise during execution shall be resolved by the BA. However, TPSODL shall extend all sort of cooperation (if required) to resolve the same.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | The RROW issue arising during execution of work, not in the scope of the bidder i.e. that is financial implication if any.                                                                                                                 | <b>No Change, Tender conditions to be complied.</b>                                                                                                                                                                       |

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| 42 |                                     | <b>Vendor List:</b><br>35. All GI Channel, angle, flat, V-Cross arm & clamp, pole clamp<br>(MAKE- SAIL, JINDAL, RINL & TATA ONLY) | Please Consider: Any reputed make of rerolling materials acceptable.                                                                                                                                                                                                                                                                                                                        | <b>Tender specification to be complied.</b>                                                                                                                                                                                                                                                                                      |
| 43 |                                     | <b>Vendor List:</b><br>41. Steel Structure                                                                                        | Please Consider: Any reputed make of rerolling materials acceptable.                                                                                                                                                                                                                                                                                                                        | <b>Tender specification to be complied.</b>                                                                                                                                                                                                                                                                                      |
| 44 | 7.2 Payment Terms (Page no: 16/37). | 7.2 Payment Terms                                                                                                                 | Please consider the followings:<br>1. For Supply:<br>i) 10% advance against RC.<br>ii) 50% against dispatch documents.<br>iii) 30% against Receipt of Materials at site.<br>iv) 5% against completion of Erection.<br>v) 5% against after commissioning.<br>2. For ITC<br>i) 10% Advance against RC.<br>ii) 85% against completion of erection/execution.<br>iii) 5% against commissioning. | <b>No Change, Tender conditions to be complied.</b>                                                                                                                                                                                                                                                                              |
| 45 |                                     | Drawings                                                                                                                          | Please provide/share the SLD, GA and Civil drawings i.e boundary wall, Foundation od pole etc.                                                                                                                                                                                                                                                                                              | <b>Please refer Corrigendum-2</b>                                                                                                                                                                                                                                                                                                |
| 46 |                                     | Technical Specification                                                                                                           | Please provide/share the Technical Specification of <b>Civil Works and Aniders.</b>                                                                                                                                                                                                                                                                                                         | <b>Please refer Corrigendum-2</b>                                                                                                                                                                                                                                                                                                |
| 47 |                                     | BoQ                                                                                                                               | Touch proof cable termination kit (indoor type) for RMU not available in your BoQ. We understand that it is not required.<br><b>Please Confirm</b>                                                                                                                                                                                                                                          | <b>Its an integral part of RMU. Please refer Clause No. 5.6.5 of specification TPU-D-ENG-HV-20054. If clearance between bushing and body is less than 65 mm than touch free terminations to be provided.If Min. clearance in-between phase to phase bushings (center to center) &lt; 95mm, screened boots shall be provided.</b> |
| 48 |                                     |                                                                                                                                   | Estimate price is without GST or With GST                                                                                                                                                                                                                                                                                                                                                   | <b>The estimated price is All inclusive.</b>                                                                                                                                                                                                                                                                                     |