

**Corrigendum No. – I**

**30-05-2022**

**Tender Enquiry No- TPSODL/OT/2022-23/015**

**Tender Subject –** Rate Contract for Supply of CRP and VCB as per TPSODL Specification.

**1.3: Revised Calendar of Event shall be as follows:**

(a)	Date of sale/ availability of tender documents from TPSODL Website	From 28.04.2022 onwards
(b)	Last Date of receipt of Tender Fee	01.06.2022 18:00 Hrs
(c)	Last Date of receipt of pre-bid queries, if any	03.06.2022 18:00 Hrs
(d)	Date and Time of Pre-Bid Meeting	NA
(e)	Last Date of Posting Consolidated replies to all the pre-bid queries as received	03.06.2022 18:00 Hrs
(f)	Last date and time of receipt of Bids	10.06.2022 18:00 Hrs
(g)	Date & Time of opening technical bids & EMD	10.06..2022; 18:00 Hrs Onwards

**-Revised Schedule of Items shall be as follows:**

**Annexure- I**

LOT- A (For CRP, MFM & Relays Only)								
S No.	Item Description	UOM	HSN/ SAC	Quantity	Unit Price (Rs.)	GST @18%	Unit Price- All Inclusive (Rs.)	BOQ Prices- All Inclusive (Rs.)
1	Supply of Control Relay Panel with Trf diff + inbuilt O/C & EF relay for 33KV Side + O/C + E/F for 11KV Side (PTR 33 kV Bay & 11 kV Incomer in one panel of 800mm)	EA		99				
2	Supply of Control Relay Panel with O/C relay for 33kV I/C/ -O/G (Two bays in a panel of 800mm) (Dual Feeder Panel)	EA		31				

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LOT- B (For VCB Only)								
S No.	Item Description	UOM	HSN/ SAC	Quantity (EA)	Unit Price (Rs.)	GST @18%	All Inclusive Unit Price (Rs.)	All Inclusive BOQ Prices (Rs.)
1	Supply of 33 KV Outdoor VCB- 1250 A with structure as per TPSODL Specification	EA		59				
2	Supply of 11 KV Outdoor VCB- 1250 A with structure as per TPSODL Specification	EA		78				
3	ITC of 33 KV Outdoor VCB- 1250 A with structure as per TPSODL Specification	EA		59				
4	ITC of 11 KV Outdoor VCB- 1250 A with structure as per TPSODL Specification	EA		78				
<b>All Inclusive Total BOQ (Rs.)</b>								<b>-</b>

**-Scope of Work for ITC of CRP and VCB shall be as follows:**

**Scope of Work for ITC of CRP**

1. BA shall deliver, unload & shift the panels inside control room of respective PSS and install the panels inside control room under supervision of STS coordinator from TPSODL.
2. BA shall install the control cable trays in trench inside control room under supervision from TPSODL, for control cables to be laid from outdoor equipment as well as for aux supply cables from ACDB and DCDB to C&R panels. Maximum no of panels in one PSS shall not be more than 15 panels.
3. Extending auxiliary AC/DC power supply by proper cable laying in the cable trays provided to C&R panel inside control room with cabling, termination and wiring including proper dressing of wiring.
4. Bidder to supply as well as lay the aux supply cables from existing ACDB and DCDB to new C&R panels inside control room area to be covered of max 20mx20m.
5. Testing and commissioning of Control and Relay panel comprising of numerical relays and multi-function meters, with complete cable terminations from CT, PT and breaker control cables. Blocking of all the cable openings on the bottom plate of panel for rodent and vermin proofing to be ensured. This activity to be done under supervision of OEM of Numerical Relays.
6. Earthing to be extended from each C&R panel to the station earthing pit by the bidder.
7. Testing includes primary injection and secondary injection (having three phase double Source arrangement) in the relays and meters. All required testing equipment would be

provided by the bidder. This shall be carried out under supervision of OEM of numerical relay.

8. Cable laying & termination at both ends from CT secondary terminal box, PT secondary terminal box & Breaker control cabinet in outdoor switchyard to C&R panels inside control room is in the bidder's scope.
9. Point to point as well as configuration logic testing from equipment end terminals to CRP end terminals is in the bidder's scope.
10. Handing over of required ICD/SCD files for relays and required inputs from meters for RTU integration is in bidder's scope.
11. Submission of detailed test report after successful completion of the respective Sub Station job and obtain clearance from TPSODL authority.
12. Any Miscellaneous activities required for commissioning and SCADA integration is in bidder's scope.

#### **Scope of Work- ITC of VCB**

S NO	Nature of Work	Job Description
1	Installation	Shifting of VCB and CT/PT structure from Store to different locations.
		Unloading of VCB and CT/PT Structure at site.
		Foundation of VCB and CT/PT with Structure
		Erection of VCB and CT/PT with Structure
		Fabrication of VCB Structure (As per alignment with CT/PT Structure)
2	Commissioning	Control Cable laying from CRP to VCB and CT/PT
		Termination of control cables in VCB and CRP panels (Including glands and lugs) with scheme checking
		CT wiring between CT and CRP/VCB panels. CT junction box installation
		PT wiring between PT and CRP/VCB panels
		Commissioning Checks for Interlocks (Closing/Tripping/Protection Trip /Antidumping Circuit check/Trip Pre & Post supervision Checking) and Relay setting.
		Earthing of VCB, CT and PT structure with flats and new pit erection. Earth pit testing (Earth Pit Values within 2 ohm)
3	Testing	Testing of VCB (IR, Timing, Contact Resistance measurement, Close & Trip Coil etc.)
		Testing of CT (IR, Primary and Secondary injection, etc)
		Testing of PT (IR measurement, etc)

#### **Scope of Work- ITC of MFM & Relays**

-MFM and Relays shall be installed in the existing panel and necessary commissioning and testing shall be done by BA.

#### **Revised Payment Terms**

**Supply-** 80% Payment shall be made within 45 days of submission of error free invoice upon successful supply of the equipment, duly certified from authorized person from TPSODL.

20% payment shall be released within 45 days of submission of error free invoice upon after successful integration and commissioning of the equipment by TPSODL.

*Payment shall be released provided the following documents are also submitted along with the invoice –*

- 1. Tax Invoice with all details mentioned clearly e.g., GST No, HSN Code, Material description, invoice amount, other details along with LR, etc.*
- 2. E- Invoice only in case of turnover is more than Rs. 20 Cr.*
- 3. Requisite PBG as per tender*
- 4. Manufacturer's /Contractor's Guarantee Certificate of Quality*
- 5. MDCC Copy.*

**ITC-** 100% Payment for Service Works shall be released within 30 days post successful commissioning & testing of the equipment after duly certified from authorized person from TPSODL.

*Payment shall be released provided the following documents are also submitted along with the invoice –*

- 1. Tax Invoice with all details mentioned clearly e.g., GST No, HSN Code, Material description, invoice amount, other details, etc.*
- 2. Manufacturer's/ Contractor's guarantee certificate of Quality.*
- 3. Submission of certificate on measurement book by Project Manager that materials under consideration have been erected, tested and commissioned as per technical specification, scope of work & approved drawings.*

### **Revised Delivery/ Service Terms**

Delivery shall be made within 60 days for CRP & VCB, post issuance of Release Order by TSPODL/ CAT-A approval, whichever is later.

Delivery shall be made within 60 days for MFM & Relays, post issuance of Release Order by TSPODL/ CAT-A approval, whichever is later.

BA shall start installation work within 7 days post confirmation from TPSODL. Installation & Commissioning has to be completed successfully including complete handing over to TPSODL at the earliest, not exceeding 90 days from the supply of equipment. BA shall execute the work in close coordination and guidance and TPSODL EIC.

**Rest other terms & Condition of tender shall remain unchanged.**

Regards,

**Sumit Kumar | Contracts**

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*Note-This document does not require signature*