

## FORMAT B.1

Format for Technical Pre-Bid Queries

Tender No TPSODL/OT/2022-23/048

Package Name **Rate Contract for Supply of LT Distribution with MCCB and HRC Fuse at various locations of TPSODL**

Bidder :

**Note :** The said format to be used only for Technical Pre-Bid Query. Any Commercial Query has to be strictly in Format B2 Format for Commercial Pre-Bid Query and sent separately

Format to be used for query regarding Technical Pre-Qualification Requirement, Safety Pre-Qualification Requirement, Technical Set of Document

**Pre-Bid Query has to be sent in editable Excel file format only****Pre-Bid Query has to be sent through e-mail in TPSODL E-Tender System**

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	<b>Note - Please Refer the revised Specification attached in the corrigendum</b>			
<b>BA shall ensure to provide the 2.5 mm acrylic sheet along with the all Distribution boxes</b>				
1	Clause no.5.2 OUT GOING CIRCUIT & point no.2 HRC fuse base	Under clause no 5 it is mentioned: The DB shall have provision of 3Ph Energy Meter. & Under clause no. 5.2 (2) fixing provision for Three phase Tri-Vector Energy meter & suitable rating CTs is asked to provide.	Kindly confirm the requirement. Which items are to be supply along DB & mounting arrangement space is to be provided for which items.	<b>Energy Meter is not in the scope of bidder. BA has to provide the provisions of Installation of Meters</b>
2	Clause no 5.2 (2) HRC fuse base (page no 24 of 219)	Metering terminal block shall be provided by bidder. Suitable arrangements to be given to physically isolate meter from bus bar area	Pls provide Terminal Block details. Pls describe/provide arrangement to be provided for isolating meter from bus bar.	<b>Will be shared during Detailed Engineering</b>
3	Clause no 5.4 Description of Materials/Enclosure (page no 25 of 219). Specification of 25,63 & 100kva LTDB.	Enclosure shall be 2mm GI sheet steel	2mm Thk. Sheet enclosure for 25,63 & 100kVA LTDB. Kindly acknowledge.	<b>Load Bearing Side-3mm and Non Load Bearing Side-2mm (Upto 100 kVA LTDB) &amp; Load Bearing Side-4mm and Non Load Bearing Side-3mm ( For 250 &amp; above rating kVA LTDB)</b>
4	Clause no 5.4 Description of Materials/Enclosure (page no 46 of 219). Specification of 250 & 500kva LTDB.	Enclosure shall be 3mm GI sheet steel	3mm Thk. Sheet enclosure for 250 & 500kVA LTDB. Kindly acknowledge.	
5	Tender Doc. No. ENG-LV-040 Specification of 25kva, 63kva & 100kva panel	Under sr. no.28 Outgoing arrangement along with L&T, Siemens & EATON HRC fuse manufacturers names are mentioned.	For HRC Fuse Havells name is to be included. Kindly confirm.	<b>Havells make shall also be acceptable subject to submission of all the type test reports</b>
6	Clause no.19. GTP for 250kva LTDB	Sr. no.1 Material of box is Galvanised Iron & Colour is RAL 7032	Material is Galvanised in addition to RAL-7032 paint is also asked to provide.Does both the options i.e. Galvanisation & Painting is to be done.Kindly confirm.	<b>specification to be complied</b>
7	Page no.111 clause no.9.4	it is mentioned Business associates in MSME category are exempted from submitting the tender fee & are eligible to concessional EMD at 50% of the EMD otherwise applicable.	This MSME benefit should be applicable for PAN india MSME units. Our request is to plss do grant MSME benefit of EMD concession to PAN india MSME units. Kindly confirm.	<b>EMD shall be exempted for MSME registered in the State of Odisha</b>
8	General	General	Shall bidder quot for specific line wise item bid? Kindly confirm	<b>Yes, Can be Quote</b>
	Specification no.ENG-LV-040			

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
9	Clause No.5.4, Description of Materials/ Enclosures	These Distribution cabinets are to be outdoor type and to be fabricated out of 2 mm GI Sheet steel.	As per GTP Load Bearing Side-3mm & Non Load Bearing Side- 2mm	<b>Load Bearing Side-3mm and Non Load Bearing Side-2mm (Upto 100 kVA LTDB) &amp; Load Bearing Side-4mm and Non Load Bearing Side-3mm ( For 250 &amp; above rating kVA LTDB)</b>
	GTP for 25KVA / 63KVA & 100KVA	Point No. 27, MCCB Should have integrated OL , SC & E/F Protection	Thermal Magnetic or Microprocessor Based MCCB , Please Clarify. If Thermal Magnetic MCCB then E/F Protection shall be Manual Type with CBCT and EFR Device.	<b>Thermal Magnetic release in line with technical specification</b>
	GTP for 25KVA / 63KVA & 100KVA	Point No. 27 & 28, Make of HRC Fuse	Please Consider C&S and Havells also.	<b>Havells make shall also be acceptable subject to submission of all the type test reports</b>
	GTP for 25KVA / 63KVA & 100KVA	Point No. 35, Provision of NO & NC Contact for status monitoring of MCCB	Please Clarify.	<b>BA has to provide NO &amp; NC Auxiliary contacts with MCCB.</b>
	GTP for 25KVA / 63KVA & 100KVA	Point No. 06, Stainless Steel Hinges required	Can we use MS Hinges or GI Hinges	<b>Specification to be complied</b>
	GTP for 25KVA / 63KVA & 100KVA	Point No. 30, Suitable cable glands of heavy duty, double compression type shall be provided at the bottom of the box.	Gland shall be in Bidder Scope or Purchaser Scope . PG Gland or Metal Gland	<b>Refer the technical sepcification</b>
	Drawing		Please provide the inside view of distribution boxes.	<b>All the inside requirement are mentioned in the technical specification</b>
	Specification no.ENG-ELC-052			
10	Clause No.5.4, Description of Materials/ Enclosures	These Distribution cabinets are to be outdoor type and to be fabricated out of 3 mm GI Sheet steel.	As per GTP Load Bearing Side-4 mm & Non Load Bearing Side- 3mm	<b>Load Bearing Side-3mm and Non Load Bearing Side-2mm (Upto 100 kVA LTDB) &amp; Load Bearing Side-4mm and Non Load Bearing Side-3mm ( For 250 &amp; above rating kVA LTDB)</b>
	Clause No.5.4, Description of Materials/ Enclosures	Hinges shall be stainless type	Can we use MS Hinges or GI Hinges	<b>Specification to be complied</b>
	Make of MCCB	ABB, Siemens, L&T, EATON, Schneider, Legrand.MCCB Should have integrated OL,SC & E/F Protection	Thermal Magnetic or Microprocessor Based MCCB , Please Clarify. If Thermal Magnetic MCCB then E/F Protection shall be Manual Type with CBCT and EFR Device. Please Consider C&S and Havells also.	<b>Thermal Magnetic release in line with technical specification</b>
	Make of HRC Fuses	Fuse make- L&T, Siemens, EATON,ABB,	Please Consider C&S and Havells also.	<b>Havells make shall also be acceptable subject to submission of all the type test reports</b>
11	CI -25 GTP- for 25KVA Panel/ sl no-28/Page 32	25A HRC fuses	Havells Brand to be approved	<b>Havells make shall also be acceptable subject to submission of all the type test reports</b>
12	CI -25 GTP- for 63KVA Panel/ sl no-28/Page 34	100A HRC fuses	Havells Brand to be approved	
13	CI -27 GTP- for100KVA Panel/ page no -36	Make of MCCB	Havells Brand to be approved	
14	CI -27 GTP- for100KVA Panel/ page no -36	160A HRC Fuses	Havells Brand to be approved	
15	CI -19 GTP- for 250KVA Panel/ page no -52/ cl no 27	Make of MCCB	Havells Brand to be approved	
16	CI -19 GTP- for 250KVA Panel/ page no -52/ cl no 28	HRC Fuse make	Havells Brand to be approved	
17	CI -19 GTP- for 500 KVA Panel/ page no -54/ cl no 27	Make of MCCB	Havells Brand to be approved	
18	CI -19 GTP- for 500 KVA Panel/ page no -54/ cl no 28	HRC Fuse make	Havells Brand to be approved	

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
19	Scope of 25 KVA, 63 KVA & 100 KVA LTDB	LT Distribution box to be Fabricated out of 2mm GI Steel Sheet	In 7-tank process coating of GI shall be removed so we request you to please use CRCA sheet with powder coated after 7 tank process	<b>Load Bearing Side-3mm and Non Load Bearing Side-2mm (Upto 100 kVA LTDB) &amp; Load Bearing Side-4mm and Non Load Bearing Side-3mm ( For 250 &amp; above rating kVA LTDB)</b> <b>Specification to be complied with the sheet thickness as above</b>
20	Outgoing Circuit Page 3 of 21	6 Nos x25Amp HRC Fuse	in 25Amp DIN Type HRC Fuse not available. Cylindrical Type fuse shall be provided	<b>Specification to be complied</b>
21	Description of Material/Enclosure Page 4 of 21	Distribution Box mounting arrangement would be DP Structure Plinth Mounted / Pole Mounted	Plz Clarify	<b>Plinth Mounted - 250 kVA &amp; Above &amp; Pole Mounted - Below 250 kVA</b>
22	Description of Material/Enclosure Page 4 of 21	The Box shall have double door with Self Locking Arrangement	All lock arrangement required. Plz clarify	<b>All lock arrangement as per the specification is required</b>
23	Locking Arrangement to the Box Page 5 of 21	Padlock Arrangement required panel lock required at top & bottom Key way hole with cover also required		
24	Description of Material/Enclosure Page 5 of 21	Degree of Protection -IP55		
25	Description of Material/Enclosure Page 5 of 21	Hinges shall be stainless type	MS hinges may be used because SS hinges get not welded properly with MS Sheet because the property of MS and SS are different.	<b>Specification to be complied</b>
26	Locking Arrangement to the Box Page 5 of 21	Nut, Bolt & Washer shall be SS, Zinc Plated or Galvanized	Plz confirm	<b>Specification to be complied</b>
	Locking Arrangement to the Box Page 5 of 21	The Bus Bar shall be conveniently placed to provide adequate clearance from the body of the box conforming to I.E rules applicable for L.T supply with provisions for one bus arrangement with <b>4 Pole MCCB</b> for all capacities of LTDBs and 2 Nos of outgoing feeder.	Plz confirm, 3Pole or 4Pole shall be used	<b>3 POLE</b>
27	Type Test page 6 of 21	CPRI/ERDA/ NABL Accredited Lab/other certified agency	Plz confirm	<b>CPRI/ERDA Only</b>
	Type Test on Complete Unit page 6 of 21	Zinc Coating Thickness /Mass of uniformity Zinc Coating as per IS 4759/6745	on CRCA Sheet, powder coating shall be used. Plz Clarify this test will be applicable on which material.	<b>Specification to be complied</b>
	On MCCB, Acceptance Test	Temperature Rise Test & Time Current Characteristics Test	Facility not available. These test should be carried out at the premises of MCCB Manufacturers	<b>Type test and factory acceptance test to be furnished</b>
	Guarantee page 7 of 21	48 months from the date of commissioning or 60 months from the date of last supplies	Plz confirm	<b>54 months from the date of commissioning or 60 months from the date of last supplies Whichever is earlier</b>
	Guarantee Period 79 of 219	12 months from the date of commissioning or 24 months from the date of last supplies		
	Tender Sample Page 8 of 21	Bidder shall submit the sample with tender	Recently we have got the purchase order from TPCODL after factory inspection. Plz confirm we need to submit the sample with tender. Size of boxes are too big. Plz confirm	<b>BA has to submit the Sample at the Premanufacturing Stage</b>
	Drawing & Document Page 8 of 21	Bidder shall furnish two (2) soft copies (CD) and four (4) hard copies nicely.....	Plz Confirm	<b>Specification to be complied</b>
	Colour of Box in GTP Page 9 of 21	RAL-7032	RAL 7032 is Siemens Grey. Plz confirm	<b>Confirmed</b>

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
28	Thickness of Box - Load bearing Side - 3mm and non load bearing side is 2mm	in specifications, the thickness of box is 2mm	Plz Confirm	Load Bearing Side-3mm and Non Load Bearing Side-2mm (Upto 100 kVA LTDB) & Load Bearing Side-4mm and Non Load Bearing Side-3mm ( For 250 & above rating kVA LTDB)
	Make of MCCB for all LTDBs	ABB, Siemens, L&T, EATON, Schneider, Legrand & Havells. MCCB should have OL, SC & E/F Protection	Please add HPL and New Era Switchgears make for better competition and please also clarify that MCCB should have OL, SC & Protection or Thermal Magnetic Release as per GTP Sr. No. 27	Specification to be complied
	Make of HRC Fuse Base and Link	L&T, Siemens & Eaton	Plz add HPL and Havells	Havells make shall also be acceptable subject to submission of all the type test reports
	Glands Sr No.30 of GTP	Heavy Duty Double Compression gland required but in 250 KVA & 500 KVA LTDB only gland plate required and holes shall be done at site as per requirement	Plz confirm	Refer the technical sepcification
	TS of 250 & 500 KVA Page 4 of 20	2amp mcb shall be provided for isolation purpose	Plz suggest us for the connection, how this mcb will operate	Will be finalised during detailed Engineering As per requirement
	TS of 250 & 500 KVA Page 4 of 20 Enclosure 5.4	All GI Sheets and Supports shall be Hot Dip Galvanised.	Hot Dip galvanized or powder coated, plz confirm	Specification to be complied
	TS of 250 & 500 KVA Page 5 of 20 Painting	Colour Shade Light Grey - RAL 7032	RAL 7032 is Siemens Grey. Plz confirm	Confirmed
	TS of 250 & 500 KVA Page 7 of 20 Guarantee	108 months from the date of commissioning or 120 months from the date of last supplies	48 months from the date of commissioning or 60 months from the date of last supplies shall be considered. Plz confirm	54 months from the date of commissioning or 60 months from the date of last supplies Whichever is earlier
	Thickness of Box - Load bearing Side - 4mm and non load bearing side is 3mm	in specifications, the thickness of box is 3mm	Plz Confirm	Load Bearing Side-3mm and Non Load Bearing Side-2mm (Upto 100 kVA LTDB) & Load Bearing Side-4mm and Non Load Bearing Side-3mm ( For 250 & above rating kVA LTDB)
	GTP page no 10 of 20 Sr. No.11	Removable glands plate required	one gland plate or how many glands plate required without holes. Plz confirm	Will be finalised during detailed Engineering As per requirement
Make of MCCB for 250 & 500 KVA	ABB, Siemens, L&T, EATON, Schneider, Legrand. MCCB should have OL, SC & E/F Protect	Please add HPL, Havells and New Era Switchgears make for better competition and please also clarify that MCCB should have OL, SC & Protection or Thermal Magnetic Release as per GTP Sr. No. 27	Havells make shall also be acceptable subject to submission of all the type test reports	
29	Document Title - Specification of 25KVA, 63KVA & 100KVA Panel of GI Sheet Steel with MCCBs and HRC fuse  Sl. No. 01 - "Scope" of Technical Doc No END-LV-040 eff date 16.03.2022 (page 23 of 219 of Tender Documents)	This Specification covers the design, manufacture, testing at works and supply of L.T Distribution Boxes to be outdoor type and to be fabricated out of 2mm GI sheet steel for controlling the L.T. feeders from the L.T. side of Distribution for Feeders upto 100KVA. The system shall be A.C. 3 phase, 4 wires, 433 V, 50 HZ with effectively grounded neutral.	We request you to please consider SMC type Outdoor Type LT Distribution Boxes	Specification to be complied
30	Document Title - Specification of 25KVA, 63KVA & 100KVA Panel of GI Sheet Steel with MCCBs and HRC fuse  Sl. No.07 - "Tests" of Technical Doc No END-LV-040 eff date 16.03.2022 (page 27 of 219 of Tender Documents)	All these Type Test should be conducted at CPRI/ERDA	All these Type Test should be conducted at CPRI/ERDA/Any NABL Accredited lab (i.e. CIPET/NTH etc)	CPRI/ERDA Only

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
31	Document Title - Specification of 25KVA, 63KVA & 100KVA Panel of GI Sheet Steel with MCCBs and HRC fuse Sl. No.08 - "TypeTestsCertificates" of Technical Doc No END-LV-040 eff date 16.03.2022 (page 28 of 219 of Tender Documents)	The Bidder shall furnish the type test certificates of the LTDB for the tests as mentioned above as per the corresponding standards. All the tests shall be conducted at CPRI/ERDA as per the relevant standards. Type tests should have been conducted in certified Test laboratories during the period not exceeding 5 years from the date of opening the bid	The Bidder shall furnish the type test certificates of the LTDB for the tests as mentioned above as per the corresponding standards. All the tests shall be conducted at CPRI/ERDA/Any NABL Accredited Lab (i.e. CIPET/NTH) as per the relevant standards. Type tests should have been conducted in certified Test laboratories during the period not exceeding 7 years from the date of opening the bid	<b>CPRI/ERDA Type test reports shall be acceptable. Validity shall be acceptable as per technical specification</b>
32	Document Title - Specification of 25KVA, 63KVA & 100KVA Panel of GI Sheet Steel with MCCBs and HRC fuse Sl. No. 11 - "Guarantee" of Technical Doc No END-LV-040 eff date 16.03.2022 (page 28 of 219 of Tender Documents)	Bidder shall stand guarantee towards design, materials, workmanship & quality of process/ manufacturing of items under the 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 Purchaser up to a period of 48 months from the date of commissioning or 60 months from the date of last supplies made under the contract, whichever is later.	For Enclosure - We request you to please consider Guarantee of a period of 60 months for SMC Enclosure and 36 months for GI Enclosure from the date of last supplies made under the contract, whichever is later. For Switchgear Items - We request you to please consider Guarantee of a period of 12 months from the date of commissioning or 18 months from the date of supply, whichever is later. Extended Special Warranty till 36 Months can be provided if TPSODL accepts the same at an extra cost.	<b>54 months from the date of commissioning or 60 months from the date of last supplies Whichever is earlier</b>
33	Document Title - Specification of 25KVA, 63KVA & 100KVA Panel of GI Sheet Steel with MCCBs and HRC fuse Sl. No. 13 - "Sample" of Technical Doc No END-LV-040 eff date 16.03.2022 (page 29 of 219 Of Tender Documents)	Bidder shall submit the sample of material with the offer (in case of first supply to TPSODL).	Requesting to waive off tender sample submission and instead issue for sample submission from successful bidder	<b>BA has to submit the sample at the Premanufacturing Stage</b>
34	Document Title - Speciation for LT LTDB 250KVA and 500KVA GI Enclosure Sl. No. 1 - "Scope" of Technical Doc No ENG-ELC-052 eff date 13.05.2022 (page 44 of 219 Of Tender Documents)	This Specification covers the design, manufacture, testing at works and supply of L.T Distribution Boxes made out of GI for controlling the L.T. feeders from the L.T. side of Distribution for Feeders . The system shall be A.C. 3 phase, 4 wires, 433 V, 50 HZ with effectively grounded neutral.	We request you to please consider SMC type Outdoor Type LT Distribution Boxes	<b>Specification to be complied</b>
35	Document Title - Speciation for LT LTDB 250KVA and 500KVA GI Enclosure Sl. No.07 - "Tests" of Technical Doc No ENG-ELC-052 eff date 13.05.2022 (page 48 of 219 Of Tender Documents)	All these Type Test should be conducted at CPRI/ERDA	All these Type Test should be conducted at CPRI/ERDA/Any NABL Accredited Lab (i.e. CIPET/NTH etc)	<b>CPRI/ERDA Only</b>

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
36	Document Title - Speciation for LT LTDB 250KVA and 500KVA GI Enclosure Sl. No.08 - "Type Tests Certificates" of Technical Doc No ENG-ELC-052 eff date 13.05.2022 (page 49 of 219 Of Tender Documents)	The Bidder shall furnish the type test certificates of the LTDB for the tests as mentioned above as per the corresponding standards. All the tests shall be conducted at CPRI/ERDA as per the relevant standards. Type tests should have been conducted in certified Test laboratories during the period not exceeding 5 years from the date of opening the bid.	The Bidder shall furnish the type test certificates of the LTDB for the tests as mentioned above as per the corresponding standards. All the tests shall be conducted at CPRI/ERDA/Any NABL Accredited Lab (i.e. CIPET/NTH) as per the relevant standards. Type tests should have been conducted in certified Test laboratories during the period not exceeding 7 years from the date of opening the bid	<b>CPRI/ERDA Type test reports shall be acceptable. Validity shall be acceptable as per technical specification.</b>
37	Document Title - Speciation for LT LTDB 250KVA and 500KVA GI Enclosure Sl. No.11 - "Guarantee" of Technical Doc No ENG-ELC-052 eff date 13.05.2022 (page 49 of 219 Of Tender Documents)	Bidder shall stand guarantee towards design, materials, workmanship & quality of process/ manufacturing of items under the 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 Purchaser up to a period of 108 months from the date of commissioning or 120 months from the date of last supplies made under the contract, whichever is later.	For Enclosure - We request you to please consider Guarantee of a period of 60 months for SMC Enclosure and 36 months for GI Enclosure from the date of last supplies made under the contract, whichever is later. For Switchgear Items - We request you to please consider Guarantee of a period of 12 months from the date of commissioning or 18 months from the date of supply, whichever is later. Extended Special Warranty till 36 Months can be provided if TPSODL accepts the same at an extra cost.	<b>54 months from the date of commissioning or 60 months from the date of last supplies Whichever is earlier</b>
38	Document Title - Speciation for LT LTDB 250KVA and 500KVA GI Enclosure Sl. No.13 - "Tender Sample" of Technical Doc No ENG-ELC-052 eff date 13.05.2022 (page 50 of 219 Of Tender Documents)	Bidder shall submit the sample of material with the offer (in case of first supply to TPSODL).	Requesting to waive off tender sample submission and instead issue for sample submission from successful bidder	<b>BA has to submit the Sample at the Premanufacturing Stage</b>
39	Clause No. 7.1 (Special Conditions of Contract) & 7.2 (Drawing Submission & Approval) - (Page 13 of 219)	BA shall submit GTP / Drawing within 2 weeks from the issuance of the rate contract. In case BA does not get the necessary approvals for issuance of manufacturing clearances / CAT-A within mentioned / mutually agreed timelines, then TPSODL reserve the right to cancel the issued rate contract/release order and also reserve the right to forfeit EMD / PBG.	The Similar SMC LTDB's (63 to 500 KVA) are supplied to CESU for R-APDRP Scheme and are approved. The approved copies are hereby attached as Annexure 1. We thus request you to please consider using SMC as base material for the LTDB's	<b>Specification to be complied</b>
40	Clause no. 5.1 (Page 24)	The MCCB should be front operated triple pole type with Thermal overloading facility.	Request you to please confirm whether earth fault protection (E/F protection) is required or not.	<b>E/F Protection is required in line with technical specification</b>
	Sr. No. 26 (Page 32) of GTP for 25KVA LTDB	40 Amp MCCB, 36KA TP MCCB -01 Nos with Thermal Magnetic release		
	Sr. No. 27 (Page 32) of GTP for 25KVA LTDB	ABB, Siemens, L&T, EATON, Schneider, Legrand. MCCB , Havells Should have integrated OL , SC & E/F Protection		
41	Sr. No. 28 (Page 32) of GTP for 25KVA LTDB	HRC Fuse make- L&T, Siemens, EATON	Request you to please consider Havells Make HRC Fuse also, like as MCCB.	<b>Havells make shall also be acceptable subject to submission of all the type test reports</b>
42	Clause no. 5.1 (Page 24)	The MCCB should be front operated triple pole type with Thermal overloading facility.	Request you to please confirm whether earth fault protection (E/F protection) is required or not	<b>E/F Protection is required in line with technical specification</b>
	Sr. No. 26 (Page 34) of GTP for 63KVA LTDB	100 Amp MCCB, 36KA TP MCCB -01 Nos with Thermal Magnetic release		

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
	Sr. No. 27 (Page 34) of GTP for 63KVA LTDB	ABB, Siemens, L&T, EATON, Schneider, Legrand. MCCB , Havells Should have integrated OL , SC & E/F Protection	protection ( E/F protection) is required or not.	Specification
43	Sr. No. 28 (Page 34) of GTP for 63KVA LTDB	HRC Fuse make- L&T, Siemens, EATON	Request you to please consider Havells Make HRC Fuse also, like as MCCB.	<b>Havells make shall also be acceptable subject to submission of all the type test reports</b>
44	Clause no. 5.1 (Page 24)	The MCCB should be front operated triple pole type with Thermal overloading facility.	Request you to please confirm whether earth fault protection ( E/F protection) is required or not.	<b>E/F Protection is required in line with technical specification</b>
	Sr. No. 26 (Page 36) of GTP for 100KVA LTDB	160 Amp MCCB, 36KA TP MCCB -01 Nos with Thermal Magnetic release	Also request you to please consider Havells Make MCCB, like as 25KVA & 63KVA LTDB.	
	Sr. No. 27 (Page 36) of GTP for 100KVA LTDB	ABB, Siemens, L&T, EATON, Schneider, Legrand. MCCB Should have integrated OL , SC & E/F Protection		
45	Sr. No. 28 (Page 36) of GTP for 100KVA LTDB	HRC Fuse make- L&T, Siemens, EATON	Request you to please consider Havells Make HRC Fuse also, like as MCCB of 25KVA & 63KVA LTDB.	<b>Havells make shall also be acceptable subject to submission of all the type test reports</b>
46	Clause no. 5.1 (Page 45)	MCCB should electrically open during fault. The MCCB should be front operated triple pole type.	40kA is not a standard capacity of MCCB. So request you to please consider it as 40kA (min.).	<b>E/F Protection is required in line with technical specification</b>
	Sr. No. 26 (Page 53) of GTP for 250KVA LTDB	630 Amp 40KA TP MCCB- 01 Nos	Request you to please confirm whether earth fault protection ( E/F protection) is required or not.	
	Sr. No. 27 (Page 53) of GTP for 250KVA LTDB	ABB, Siemens, L&T, EATON, Schneider, Legrand. MCCB Should have integrated OL, SC & E/F Protection	Also request you to please consider Havells Make MCCB, like as 25KVA & 63KVA LTDB.	
47	Sr. No. 28 (Page 53) of GTP for 250KVA LTDB	HRC Fuse make- L&T, Siemens, EATON, ABB,	Request you to please consider Havells Make HRC Fuse also, like as MCCB of 25KVA & 63KVA LTDB.	<b>Havells make shall also be acceptable subject to submission of all the type test reports</b>
48	Clause no. 5.1 (Page 45)	MCCB should electrically open during fault. The MCCB should be front operated triple pole type.	As discussed with our MCCB makers, they confirmed that kA rating is generally more than 50kA for above 630A MCCB. So request you to please consider it as 50kA (min.).	<b>Min KA rating of MCCBs shall be as per technical specification &amp; E/F Protection is required in line with technical specification</b>
	Sr. No. 26 (Page 55) of GTP for 500KVA LTDB	800 Amp 50KA TP MCCB-01No.	Request you to please confirm whether earth fault protection ( E/F protection) is required or not.	
	Sr. No. 27 (Page 55) of GTP for 500KVA LTDB	ABB, Siemens, L&T, EATON, Schneider, Legrand. MCCB Should have integrated OL , SC & E/F Protection		
49	Sr. No. 28 (Page 55) of GTP for 500KVA LTDB	HRC Fuse make- L&T, Siemens, EATON	Request you to please consider Havells Make HRC Fuse also, like as MCCB of 25KVA & 63KVA LTDB.	<b>Havells make shall also be acceptable subject to submission of all the type test reports</b>
50	Sr. No. 25 (Page 32) of GTP for 25KVA LTDB	2 Nos. M8x40 mm earthing bolt with nut & washer required.	Request you to please confirm whether M8x40 mm bolt or M6x35 mm bolt is required.	<b>Specification to be complied</b>
	Sr. No. 25 (Page 34) of GTP for 63KVA LTDB	2 Nos. M8x40 mm earthing bolt with nut & washer required.		
	Sr. No. 25 (Page 36) of GTP for 100KVA LTDB	2 Nos. M6x35 mm earthing bolt with nut & washer required.		
	Sr. No. 25 (Page 53) of GTP for 250KVA LTDB	2 Nos. M6x35 mm earthing bolt with nut & washer required.		
	Sr. No. 25 (Page 55) of GTP for 500KVA LTDB	2 Nos. M8x40 mm earthing bolt with nut & washer required.		
	Clause no. 5.2 (Sr. No. -3) , Page 45	Meter size 400mm x 400mm x 150mm		
51	Clause no. 5.2 (Sr. No. -3) , Page 45	Metering Compartment Size: (in mm ) : 450 X 350 X 250	Meter size 400mm x 400mm x 150mm is not possible to assemble in 450x350x250 mm box. Please confirm the exact meter size. If meter size is 400x400x150mm, then it will not be fitted in 800x1000x300 mm box to maintain all clearances for 25KVA LTDB.	<b>Metering Compartment Size: (in mm ) : 450 X 350 X 250</b>

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
52	Annexure-2 (Page No. - 60)	Resin Cast Ring Type CT - 50/5,100/5A, 200/5A, 400/5A, 800/5A, 1000/5A, 1500/5A	<p>It not feasible to manufacture 50/5A (ID-45 mm) in reasonable size &amp; cost. For such low ratio, wound primary CTs are generally used. Please refer to Annexure-2 &amp; Annexure-3 for the reference.</p> <p>So request you to please consider 50/5A wound Primary CT instead of Ring Type.</p> <p>There are mentioned in technical specification that Resin Cast Ring Type CT are 50/5,100/5A, 200/5A, 400/5A, 800/5A, 1000/5A, 1500/5A. But as per current rating of transformer, it should the below. Please confirm the same.</p> <ol style="list-style-type: none"> <li>1. 50/5A for 25KVA LTDB,</li> <li>2. 100/5A for 63KVA LTDB,</li> <li>3. 200/5A for 100KVA LTDB,</li> <li>4. 600/5A for 250KVA LTDB,</li> <li>5. 800/5A for 500KVA LTDB,</li> </ol>	<p><b>BA has to supply the CTs in line with the technical specification with the following ratings-</b></p> <ol style="list-style-type: none"> <li><b>1. 50/5A for 25KVA LTDB</b></li> <li><b>2. 150/5A for 63KVA LTDB</b></li> <li><b>3. 200/5A for 100KVA LTDB,</b></li> <li><b>4. 500/5A for 250KVA LTDB,</b></li> <li><b>5. 800/5A for 500KVA LTDB,</b></li> </ol>