

Ref: TPCODL/P&S/1000000152/2021-22 (Open tender Regarding RATE CONTRACT FOR SUPPLY OF LTDB (GI) ENCLOSURE FOR 25KVA, 63KVA,100KVA 11/0.4KV DT S/s.)

Sub: **Corrigendum – II**

- i) Amendments for Extension of Bid submission date:
- ii) Pre-bid Reply of the above mentioned tender is followed by time extension.

Existing Tender Submission Dates in <u>Corrigendum-I</u>	Amended as Extension of Tender submission dates
Last date and Time of receipt of Bids 03.01.2022 upto 15.00 Hrs.	Last date and Time of receipt of Bids 06.01.2022 upto 15.00 Hrs.

All other terms and conditions of the above open tender remain unaltered.

By Order,
Chief (Procurement & Stores)

**REPLY ON PRE-BID QUERIES FOR OPEN TENDER (TPCODL/P&S/1000000152/2021-22) RC for supply of LTDBs(GI) for
25,63,100KVA DT S/s**

Sr. No.	Items	Description	Clarification	TPCODL Response
1	2	3	4	5
1	Enclosures Materials	SMC (as per Drawing) OR GI (3mm thick) (as per GTP)	Please confirm which would be used	GI -For Non load bearing area - 2mm & load bearing area- 3mm
2	MCCB Release	T.M Based with OL / SC Release (GTP SL no. 26) OR M.P Based with OL , SC ,EF Release (As per tech spec . GTP SL no . 27)	Please confirm	TM Based with O/L & SC.The MCCB rating shall be 10KA short circuit capacity for 1Sec for 25KVA, 63KVA & 100KVA
3	Paint Shade	Off White (as per drawing) OR RAL -7032 (As per Tech Spec. GTP SI. no. 3)	Please confirm (NOTE : No paint required in GI Sheet)	RAL 7032
4	HRC Fuse	Havells are approved for MCCB, So, can we use HRC Fuse of Havells???	Please Confirm	Yes with DN type

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Sr. No.	Detailed Reference to Tata Power Tender Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPCODL Response
1	2	3	4	5
1	<u>NIT Page Number Page 4 of 23, Clause Number 1.7 (Qualification Criteria) of point number b.</u>	The bidder should have supplied GI Enclosure / polycarbonate / SMC type minimum 1000 nos. of LTDB Box/Meter Boxes / Bus-bar Boxes during the last 5 years. Copy of work order / completion certificate to be submitted in this regard.	Please also mention MSGI Enclosure in this clause.	This shall be ok for tender participation only . However as per tender spec the Enclosure will be GI Enclosure as per our requirement.
2	<u>NIT Page Number Page 4 of 23, Clause Number 1.7 (Qualification Criteria) of point number b.</u>	Bidders must have full testing facilities for acceptance and routine test as per relevant IS/IEC. The above material will be type tested from CPRI/ERDA as per IS/IEC. Type Test report validity should not exceeded more than 5 Years from the date of testing Bidder must submit undertaking in this regard.	Validity of Type Test is 10 years instead of 5 years as per the CEA Guidelines (CEA Guidelince Attached).	Accepted
Page No.	Para	prebid-Query	Request for amendment	TPCODL Response

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1	Scope	LT Distribution box to be Fabricated out of 2mm GI Sheet	2mm CRCA may be used instead of GI because GI shall be removed in 7 Tank Process.	Requirement is GI
2	General Constructions	Triple Pole MCCB on Incoming Circuit	Plz Clarify	Three Pole
3	Description of Material and Enclosure	4 Pole MCCB on incoming circuit		
2	Incoming Circuit	MCCB	Plz clarify the features of MCCB with Breaking Capacity	10KA Breaking capacity for all the three sizes 25KVA, 63KVA,100KVA
2	Outgoing Circuit	Metering Terminal shall be provided by bidder	Plz clarify and provide the specification or drawings of the same.	Bidder has to provide CT and CTTB,Meter in Scope if TPCODL,Necessary partition in Bidders scope
2	Outgoing Circuit	The bidder has to supply the base mounted current transformers	Tape wound CT may be used	This shall be as per Tender Specification
3	Bus Bar Connections	Phase Bus Bar and droppers shall be of Electrolytic Alluminium with purity 99.5%	Plz Claify which material to be used. (Alluminium or Copper)	Electrolytic Alluminium with purity 99.5%
3	Bus Bar Connections	The box shall have provision of Bus Bar of Electrolytic Alluminium/Copper		

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3	Description of Material and Enclosure	Degree of Protection Shall be IP-55	If Louvers required then Degree of Protection IP-33 may prevail.	IP 55 is required. Vendor has to submit Type Test for the same as well
3	Description of Material and Enclosure	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.	This shall be as per Tender Clause. Hinges shall be stainless type
5	Type Test on Complete Unit	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.	Requirement is GI sheet
7	Tender Sample	Bidder shall submit the sample of material with the offer	Recently we have got the purchase order after factory inspection. Plz confirm we need to submit the sample with tender. Size of boxes are too big. Plz confirm	Not required
7	Spare, Accessories & Tools	Bidder shall provide a list of recommended spares with quantity and unit prices for 5 years of operation after commissioning	Plz Clarify	
100KVA	Material of Box	GI	CRCA may be used. Plz confirm	GI sheet to be used with 90GSM
100KVA	Colour of Box	RAL 7032	RAL 7032 is Siemens Grey. Plz confirm	RAL 7032
100KVA	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 :3mm Non Load Bearing :2mm
100KVA	Bus bar Mounting Insulators	Epoxy Insulator	DMC D3 Grade insulator may be used in place of Epoxy Insulator. Plz confirm	Epoxy Insulator

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Sr. No.	Clause No of TS	Page No in TS	Requirement as per TS	Technical Comment	TPCODL Response
1	5.2.3	29	Meter size 400mm x 400mm x 150mm.	As per last tender, TPCODL confirmed that meter size is 300x250mm in pre-bid meeting. If meter size is 400x400mm, then it has no sufficient space in box size 800x1000x300mm to maintain adequate clearances for 25KVA LTDB and it is ok for 63/100 KVA LTDB. Plz clarify	Meter size 400X400X150. Supplier may design own box & take approval from TPCODL during detail engineering
2			Metering Terminal Block shall be provided by bidder.	We cannot provide Metering Terminal Block, it is generally given by Meter Manufacturer. Plz clarify	CT & CTTB in scope of Bidder
3	5.4	30	Distribution cabinets are to be outdoor type and to be fabricated out of 2 mm GI Sheet steel.	We request you to please convert into SMC from GI to reduce overall cost. Please refer Annexure-1 for the more details. In Year 2017 we had supplied the similar type of 63KVA LTDB in SMC to CESU. Boxes are accepted and performing well in site. Please refer Annexure-2 for Approval from Previous supplies made to CESU. Request you to please accept SMC LTDBs. Request you to please accept the same.	Requirement for the tender is GI based enclosure
4	19.11 (b) for 25KVA LTDB	36	1) Suitable for I/C cable -4C x 35Sqmm -1 No., 2) 6 Nos. O/G PVC glands suitable for 27mm Cable dia entry hole at bottom side.	It should have 1 No gland for I/C and 2 Nos. gland for O/G. Please Clarify it	This shall be as per Tender Specification
5	19.26 for all LTDBs		40 Amp MCCB, 36KA TP MCCB - 01 Nos No with Thermal Magnetic release.	Please confirm whether F/E Protection is required or not	

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6	19.27 for all LTDBs	37, 39 & 41	ABB, Siemens, L&T, EATON, Schneider, Legrand. MCCB , Havells Should have integrated OL , SC & E/F Protection.	Please Clarify it	Not Required.Only Overload & short circuit protection to be considered
7	7 & 8	32 & 33	Type Test Report	We will provide type test reports for 25,63 & 100 KVA LTDB after getting order and before supply. Hence we request you to please consider us for the same. Request you to please accept the same.	The type test report will be required before inspection call
8	3.3	46	Primary Conductor (Bus Bar of required current carrying capacity) will pass through Ring type CT. Proper marking will be provided for current direction identification. Inner diameter (I.D.) of CT will be minimum 45mm or as per size of bus bar for all ratings of CT & will increase as per the current rating of CTs. Secondary Terminals S1 & S2 will be clearly marked.	For 25KVA LTDB, Ring Type CT 50/5A, ID-45mm is not available with any manufacture due to huge cost effective and unfeasibility Please refer Annexure-3 & Annexure-4 for the detailed confirmation from CT Manufacturer. Also it requires huge volumetric space to accommodate; hence there is no sufficient space to accommodate in this box (box size – 800x1000x300mm). That’s why 50/5A Wound Primary (Bar Type) CT is generally used due to low cost & feasibility. So request you to please accept 50/5A Wound Primary CT for 25KVA LTDB. For 63KVA Ring Type CT 100/5A , ID-45 mm (min.) is not required, ID-30 mm (min.) is sufficient for 25x6 sq mm bus bar to pass inside the CTs. So request you to please accept ID-30 mm (min.) for 63KVA LTDB to reduce cost. For 100KVA Ring Type CT 200/5A , ID-45 mm (min.) is not required, ID-35 mm (min.) is sufficient for 25x8 sq mm bus bar to pass inside the CTs. So request you to please accept ID-35 mm (min.) for 100KVA LTDB to reduce cost. Request you to Please accept the same	Necessary Clearance to be maintained as per relevant IEC guidelines

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SR. NO.	TENDER BOQ REFERENCE NUMBER	TENDER DESCRIPTION	SUBHEAD OF TENDER DESCRIPTION	QUERY	TPCODL Response
GUARANTEED TECHNICAL PARTICULARS FOR LTDB 25 KVA DISTRIBUTION TRANSFORMER					
1	TEED TECHNICAL PARTICULARS (PAGE - 36, 37 / 243)	L PARTICULARS FOR LTDB 25 KVA DISTRIBUTION TRANSFORMER	No. of connections on each bus bar (ITEM NO-16)-Each phase bus bar 01 no. Incomer and 02 nos outgoings circuit	PLEASE CLARIFY QUANTITY OF INCOMER FEEDER, WE ASSUME 3 NO. INCOMER FEEDER	This shall be as per Tender Specification
				PLEASE CLARIFY QUANTITY OF OUTGOING FEEDER, WE ASSUME 6 NO. INCOMER FEEDER	As per GTP
2			Sealing arrangement (ITEM NO-21)-Hole for Wire Sealing	PLEASE CLARIFY WIRE SEALING TERM.	Sealing to ensure IP55
3			Incoming arrangement (ITEM NO-26)-40 Amp MCCB, 36KA TP MCCB -01 Nos No with Thermal Magnetic release	PLEASE CLARIFY MCCB RELEASE AND QUANTITY.	As per GTP
4			Make of MCCB (ITEM NO-27)-ABB, Siemens, L&T, EATON, Schneider, Legrand. MCCB , Havells Should have integrated OL , SC & E/F Protection	PLEASE CLARIFY MCCB RELEASE AND QUANTITY.	As per GTP
5			Outgoing arrangement (ITEM NO-28)-25 Amp HRC Fuse (06 Nos)- L&T, Siemens, EATON	PLEASE CLARIFY HRC FUSE QUANTITY AND WHETHER TO CONSIDER FUSE BASE OR NOT.	Fuse to be considered
6		Provision of LT switch & socket (ITEM NO-31)-1 set of light, socket & switch is provided for availing power auxiliary single phase supply of 16Amp.	PLEASE CLARIFY SCOPE OF LIGHT, SOCKET & SWITCH. WHETHER THESE TO CONSIDER OR NOT.	Not Required	

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7	19. GUARAN	GUARANTEED TECHNICA	Provision of Space for Energy Meter (ITEM NO-32)- To be provided by Bidder	PLEASE CLARIFY WHETHER ENERGY METER TO CONSIDER OR NOT.	Energymeter not in Scope
8			Provision of Space for CT (ITEM NO-33)- To be provided by Bidder	PLEASE CLARIFY WHETHER CT TO CONSIDER OR NOT.	CT in scope of Bidder
9			Provision of LED Indication on Incoming supply R,Y, B with Fuse protection (ITEM NO-34)- To be provided by Bidder	PLEASE CLARIFY WHETHER RYB WITH FUSE TO CONSIDER OR NOT.	To be considered
10			Provision of NO & NC Contact for status monitoring of MCCB (ITEM NO-35)- To be provided by Bidder	PLEASE CLARIFY WHETHER NO & NC TO CONSIDER OR NOT.	Not Required
GUARANTEED TECHNICAL PARTICULARS FOR LTDB 63 KVA DISTRIBUTION TRANSFORMER					
1	243)	TRANSFORMER	No. of connections on each bus bar (ITEM NO-16)- Each phase bus bar 01 no. Incomer and 02 nos outgoings circuit	PLEASE CLARIFY QUANTITY OF INCOMER FEEDER, WE ASSUME 3 NO. INCOMER FEEDER	As per GTP
				PLEASE CLARIFY QUANTITY OF OUTGOING FEEDER, WE ASSUME 6 NO. INCOMER FEEDER	As per GTP
2			Sealing arrangement (ITEM NO-21)- Hole for Wire Sealing	PLEASE CLARIFY WIRE SEALING TERM.	To maintain IP55
3			Incoming arrangement (ITEM NO-26)- 100 Amp MCCB, 36KA TP MCCB -01 Nos No with Thermal Magnetic release	PLEASE CLARIFY MCCB RELEASE AND QUANTITY.	As per GTP

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4	19. GUARANTEED TECHNICAL PARTICULARS (PAGE - 38, 39 /)	GUARANTEED TECHNICAL PARTICULARS FOR LTDB 63 KVA DISTRIBUTION	Make of MCCB (ITEM NO-27)- ABB, Siemens, L&T, EATON, Schneider, Legrand. MCCB , Havells Should have integrated OL , SC & E/F Protection	PLEASE CLARIFY MCCB RELEASE AND QUANTITY.	As per GTP
5			Outgoing arrangement (ITEM NO-28)-100 Amp HRC Fuse (03 Nos), 63 Amp HRC Fuse (03 Nos). L&T, Siemens, eaton.	PLEASE CLARIFY HRC FUSE QUANTITY AND WHETHER TO CONSIDER FUSE BASE OR NOT. ALSO PLEASE CLARIFY INCOMING AND OUTGOING ARE OF SAME RATING I.E. 100A IS THIS OK.	As per Tender Specs
6			Provision of LT switch & socket (ITEM NO-31)-1 set of light, socket & switch is provided for availing power auxiliary single phase supply of 16Amp.	PLEASE CLARIFY SCOPE OF LIGHT, SOCKET & SWITCH. WHETHER THESE TO CONSIDER OR NOT.	Not Required
7			Provision of Space for Energy Meter (ITEM NO-32)-To be provided by Bidder	PLEASE CLARIFY WHETHER ENERGY METER TO CONSIDER OR NOT.	Not in Scope
8			Provision of Space for CT (ITEM NO-33)-To be provided by Bidder	PLEASE CLARIFY WHETHER CT TO CONSIDER OR NOT.	In Scope of Bidder
9			Provision of LED Indication on Incoming supply R,Y, B with Fuse protection (ITEM NO-34)- To be provided by Bidder	PLEASE CLARIFY WHETHER RYB WITH FUSE TO CONSIDER OR NOT.	To be considered
10			Provision of NO & NC Contact for status monitoring of MCCB (ITEM NO-35)-To be provided by Bidder	PLEASE CLARIFY WHETHER NO & NC TO CONSIDER OR NOT.	Not required

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GUARANTEED TECHNICAL PARTICULARS FOR LTDB 100 KVA DISTRIBUTION TRANSFORMER					
1	NICAL PARTICULARS (PAGE - 40, 41 / 243)	ARS FOR LTDB 100 KVA DISTRIBUTION TRANSFORMER	No. of connections on each bus bar (ITEM NO-16)-Each phase bus bar 01 no. Incomer and 02 nos outgoing circuit	PLEASE CLARIFY QUANTITY OF INCOMER FEEDER, WE ASSUME 3 NO. INCOMER FEEDER	As per GTP
				PLEASE CLARIFY QUANTITY OF OUTGOING FEEDER, WE ASSUME 6 NO. INCOMER FEEDER	As per GTP
2			Sealing arrangement (ITEM NO-21)-Hole for Wire Sealing	PLEASE CLARIFY WIRE SEALING TERM.	So as to maintain IP55
3			Incoming arrangement (ITEM NO-26)-For 100 KVA : 160 Amp 36KA TP MCCB -01 No with Thermal Magnetic release	PLEASE CLARIFY MCCB RELEASE AND QUANTITY.	As per GTP
4			Make of MCCB (ITEM NO-27)- ABB, Siemens, L&T, EATON, Schneider, Legrand. MCCB , Havells Should have integrated OL , SC & E/F Protection	PLEASE CLARIFY MCCB RELEASE AND QUANTITY.	As per GTP
5	Outgoing arrangement (ITEM NO-28)-For 100 KVA : 160Amp HRC Fuse base (03 Nos) and 100Amp HRC Fuse base (03 Nos). HRC Fuse make- L&T, Siemens, EATON	PLEASE CLARIFY HRC FUSE QUANTITY AND WHETHER TO CONSIDER FUSE BASE OR NOT. ALSO PLEASE CLARIFY INCOMING AND OUTGOING ARE OF SAME RATING I.E. 160A IS THIS OK.	Fuse to be considered		

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6	19. GUARANTEED TECHNICAL	GUARANTEED TECHNICAL PARTICULAR	Provision of LT switch & socket (ITEM NO-31)-1 set of light, socket & switch is provided for availing power auxiliary single phase supply of 16Amp.	PLEASE CLARIFY SCOPE OF LIGHT, SOCKET & SWITCH. WHETHER THESE TO CONSIDER OR NOT.	Not Required
7			Provision of Space for Energy Meter (ITEM NO-32)-To be provided by Bidder	PLEASE CLARIFY WHETHER ENERGY METER TO CONSIDER OR NOT.	Energymeter not in Scope
8			Provision of Space for CT (ITEM NO-33)-To be provided by Bidder	PLEASE CLARIFY WHETHER CT TO CONSIDER OR NOT.	CT in scope of Bidder
9			Provision of LED Indication on Incoming supply R,Y, B with Fuse protection (ITEM NO-34)-To be provided by Bidder	PLEASE CLARIFY WHETHER RYB WITH FUSE TO CONSIDER OR NOT.	To be considered
10			Provision of NO & NC Contact for status monitoring of MCCB (ITEM NO-35)-To be provided by Bidder	PLEASE CLARIFY WHETHER NO & NC TO CONSIDER OR NOT.	Not Required