



Corrigendum- II

TPNODL / OT / 2021-22 / 183 Dtd.14.02.2022

Rate Contract for Manufacture & Supply of 440 V & 230 V ACDB and 48 V DCDB

Dated 15th March, 2022

Following changes in Calendar of Events in page no 6 of tender document is made;

• **1.3 Revised Calendar of Events:**

(e)	Last date and time of receipt of Bids	21.03.2022 up to 15:00 Hrs
(f)	Date & Time of opening technical bids & EMD	21.03.2022 up to 15:30 Hrs
(g)	Date & Time of opening of Price of qualified bids	Will be notified to the successful bidders through our website / e-mail.

Note :- In the event of last date specified for submission of bids and date of opening of bids is declared as a closed holiday for TPNODL, the last date of submission of bids and date of opening of bids will be the following working day at appointed times.

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

Yours faithfully,

-sd-

**HoD-Contracts
TPNODL, Balasore**

FORMAT F.1

Format for Query / Clarification / Deviation (QCD)

Tender No.: TPNODL / OT / 2021-22 / 183 Dtd.14.02.2022

Package Name: RATE CONTRACT FOR MANUFACTURE & SUPPLY OF 440V & 230V ACDB AND 48V DCDB

Note : The said format to be used only for any Pre-bid Query / Clarification/ Deviation on any of the Tender documents

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPNODL Response
1	2	3	4	5
1	Annexure-I, Page No. 20, Sr. No-2	Rate contract for manufacture & supply of 230V ACDB	Please provide BOM for 230V ACDB	Anexure 1 attached
2	Technical specification of AC & DC Distribution board, Clause No.-15, Page no. 28 of 35	Incomer - 1: 250 Amp MCCB, 50KA, provision of O/C & E/F, UV relay	Clarify type of Protection Relays, Numerical type or electro mechanical type to be consider?	Electro mechanical
3	Technical specification of AC & DC Distribution board, Clause No.-15, Page no. 35 of 28	a) Incomer - 1: 250 Amp MCCB, 50KA, provision of O/C & E/F, UV relay Outgoing Feeders: 1) 63 Amp MCB: 2 Nos, 2) 32 Amp MCB: 5 Nos 3) 16 Amp MCB: 5 Nos, 4) 100 Amp MCCB: 1 No	Specify Release and Pole of MCCB/MCB for incoming & outgoing Feeders for ACDB and other panels also.	Incoming MCCB will be Thermal Magnetic based OL / SC releaseand 2 pole (For 230V), Shunt Release and 4 pole (For 440V)
4	Technical specification of AC & DC Distribution board, Clause No.-4.1, Page no. 20 of 28	Sheet steel for fabrication of the panels shall be a minimum of 3 mm thick for load bearing including gland plate & all other shall be 2.5 mm thick.	Clarify thickness of enclosure, it is 3mm or 2.5mm thick ?	3mm
5	Standard technical specification of AC & DC Distribution board, Clause No.-5.1, Page no. 23 of 28	The switch boards shall comprise a non/draw out type panels placed side by side to form a continuous unit with access door for each panel at the rear 3 mm sheet shall be used for fabrication of the panels.		3mm
6	Standard technical specification of AC & DC Distribution board, Clause No.-6.2, Page no. 25 of 28	415V, 250A, P2 duty 20 kA, 50 Hz MCCB	Clarify Fault level of MCCB & Bus bar for ACDB and for all other panels also.	20KAmp for 3 second
7	Technical specification of AC & DC Distribution board, Clause No.-15, Page no. 28 of 35	Incomer - 1: 250 Amp MCCB, 50KA		20KAmp for 3 second
8	Technical specification of AC & DC Distribution board		Please provide list of make for switchgears, Relays etc., same is not provided with Tender.	Any reputed vendor
9	440 volt ACDB		The outgoing MCCB will be SP or DP	DP
10	440 volt ACDB		incoming MCCB will be Thermal Magnetic based OL / SC release	incoming MCCB will be Thermal Magnetic based OL / SC release
11	230 volt ACDB		It will be required for lightning purpose or not	Yes
12	230 volt ACDB		Whether it will be used in indoor or outdoor!!!!!!	Both
13	230 volt ACDB		Incoming 32 amp MCCB will be TP or DP & outgoing 16 AMP will be TP or SP ??	Incoming DP(Phase & neutral) & Outgoing SP(Phase & neutral to be combined)
14	48 volt DCDB		Incoming 50 amp DC MCCB will be SP or TP & outgoing MCCB will be SP or TP ????	DP(Positive & negative)
15	1.7/B/PG NO 8	Bidder must be an OEM of ACDB / DCDB with manufacturing / Assembly in India	Pls clarify.	Yes
16	5.2/BUS BAR/PG NO 39	The bus bars shall be of E.G. copper/aluminum alloy.	Pls confirm whether to consider Aluminium OR copper.	Copper
17	15.1/A/INCOMER ACDB/PG NO 50	250 Amp MCCB, 50KA, provision of O/C & E/F	MCCB KA rating Shall be 20KA OR 50KA.	50KA
18	6.2/ACDB / INCOMER / PG NO 40	415V, 250A, P2 duty 20 kA, 50 Hz MCCB having 4 NO and With over load & over current & earth fault protection.	MCCB KA rating Shall be 20KA OR 50KA.	50KA
19	15.1/ACDB / PG NO 50	Outgoing Feeders: 1) 63 Amp MCB: 2 Nos, 2) 32 Amp MCB: 5 Nos, 3) 16 Amp MCB: 5 Nos 4) 100 Amp MCCB: 1 No	Outgoing MCCB pole & KA rating not provided.MCB pole details not provided.Pls confirm.	incoming MCCB will be Thermal Magnetic based OL / SC releaseand 2 pole (For 230V), Shunt Release and 4 pole (For 440V), Outgoing MCCB pole of DP 20KA
20	15.5/B/48V DCDB/PG NO 50	Incomer: 50 Amp DC MCCB:	MCCB KA rating ,thermal magnetic details not provided.Pls confirm.	incoming MCCB will be Thermal Magnetic based OL / SC releaseand 2 pole (For 230V) 50Amp

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPNODL Response
21	230V ACDB PANEL		Incoming & Outgoing details not provided.	a) Incomer - 1: 250 Amp MCCB, 50KA, provision of O/C & E/F, UV relay Outgoing Feeders: 1) 63Amp MCB: 2 Nos, 2) 32 Amp MCB: 5 Nos 3) 16 Amp MCB: 5 Nos 4) 100 Amp MCCB: 1 No incoming MCCB will be Thermal Magnetic based OL / SC release and 2 pole (For 230V), Shunt Release and 4 pole (For 440V)
22	9.13/SPARES/PG NO / 48		Please provide list of recommended spares.	1) 63Amp MCB: 1No, 2) 32Amp MCB: 1No 3) 16Amp MCB: 1No, 4) 100Amp MCCB: 1No
23	APPROVED MAKE LIST OF SWITCHGEARS		Please provide list of approved make of switchgears.	Any reputed vendor
24	Panel construction		Panel shall be CRCA , 3MM -body/ gland plate , 2.5mm - Partition/cover/doors.Pls confirm .	3mm body.
25	ACDB & DCDB		ACDB & DCDB shall be Indoor , IP52.Pls confirm.	For indoor & outdoor both.
26	Extension	10-Mar-22		Extended up to 21st March 2022

Annexure-1 (BOM for 230V ACDB)

	Incomer	Quantity
1	250A TP 50KA MCCB with o/c, s/c, e/f, microprocessor based	1
2	Spreader terminals for 250A TP MCCB	1
3	Rotary operating handle for 250A MCCB (Extended)	1
4	Auxiliary connector 2 NO+ 2NC, coil voltage 230V AC	1
5	Auxiliary + alarm contact block for 250A MCCB	1
6	Under voltage released for MCCB 250 TP MCCB 230V AC	1
7	20 Fuse base	6
8	6 A fuse link	6
9	Toggle switch	3
10	LED type indicator red,yellow, blue 230V AC	3
11	LED type indicator red,green, amber 230V AC	3
12	Analog meter 400/5 Amp, class 1.0	1
13	Ammeter selector switch	1
14	Analog volt meter 0-500 V AC	1
15	Voltmeter selector switch	1
16	CT's 400/5A class 1.0,15 VA	3
17	Annunciator 4 window 230V Ac	1
18	hopoter 230V AC	1
19	Neutral link	3
20	Control connctor 2.5 sqmm	8
	Outgoing	
1	16A DP MCB C curve	5
2	32A FP MCB C curve	1
3	32A DP MCB C Curve	10
4	63A FP MCB C curve	2
5	100A TP MCCB 25KA, With 0/L & S/C	1
6	Spreader terminals for 100A MCCB	1
7	Rotary operating handle for 100A MCCB	1
8	Control connector 4 sqmm	12
9	Control connector 6 sqmm	15
10	Control connector 16 sqmm	10
	MISC.	
1	Space heater 230V AC	2
2	Thermostat	2
3	Illumination lamp 230V AC	2
4	Door limit switch	3
5	20 Fuse Base	4
6	6A Fuse Link	4