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ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)

OFFICE OF THE DEPUTY GENERAL MANAGER (ELECT.), EHT (O&M) DIVISION, PARADEEP

AT-GRID COLONY, PO-PARADEEP GARH, DIST-JAGATSINGHPUR, PIN-754141

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OTCN/PDP-08/ 2025-26

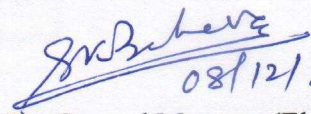
The Deputy General Manager (Elect.), E.H.T. (O&M) Division Paradeep invites sealed Tenders from reputed Bidders having valid PAN & GST Registration for the following work :

SL. NO	DESCRIPTION	COST OF TENDER PAPER	COMPLETION PERIOD
01	SUPPLY OF ONE NO. OF MAIN DCDB PANEL FOR 132/33KV GRID S/S PATTAMUNDAI UNDER EHT (O&M) DIVISION, PARADEEP.	Rs.2000/- +18% GST=2360.00 Estimated Cost Rs. 4,24,800.00	30 days from the Date of issue of the purchase order.

The tender specification can be obtained from the office of The DGM EHT (O&M) Division, Paradeep on payment of **Rs. 2000/-(Two Thousand only) + GST @ 18%(Non Refundable)** in shape of Bank Draft in favour of **EHT (O&M) CIRCLE OPTCL CUTTACK &** payable at **"CUTTACK"** on any working day from **Dt.08/12/2025 to Dt. 22/12/2025, up to 12.00pm.**

The Tender shall be received up to 01:00 PM of dated 22/12/2025 and will be opened at 02:45PM on the same date in the Office of the undersigned in the presence of the Bidders (or) their Authorized Representatives present if any. If any of the above date happens to be a holiday, the next working day will be the corresponding effective date. One Tender paper shall be issued to one Bidder. The price bid must be accompanied with **EMD of Rs. 4,248/-(Rupees Four Thousand Two Hundred Forty Eight) only** in shape of Bank Draft in favour of **EHT (O&M) CIRCLE OPTCL CUTTACK &** payable at **CUTTACK** along with Self Attested Copy of **PAN and GST Registration Certificate & Experience certificate in OPTCL or any other State /Central Govt. Transmission utility**, failing which the tender will be liable for rejection. If the last date of receipt or the date of opening of Tender falls in holiday, then the Tender paper will be received /opened in the next working day.

- Date of Sale of Tender Paper: **Dt.08/12/2025 to Dt. 22/12/2025, up to 12.00pm** (During Office Hours)
- Last Date of Receipt of Tender Paper: **01:00 PM on dated 22/12/2025.**
- Date of Opening of Price Bid of Tender Paper: **02:45PM on dated 22/12/2025.**
- The undersigned reserves the right to accept or reject all tenders without assigning any reason thereof. For details please visit our web site: www.optcl.co.in. Corrigendum if any will be published in the web site only.


08/12/2025
Dy. General Manager (Elect.)
EHT (O&M) Division, Paradeep

SECTION - IV

Technical Specification

1. Option for 3 modes viz. *Auto, Manual and Remote* to be made available in the DCDB panel.
2. Provision for Remote Closing and Tripping Operation of MCCBs of Incomer 1, 2 & Bus Coupler to be made available from SAS/SCADA HMI.
3. In Auto Mode: Auto-closing scheme of Bus Coupler MCCB to be included with following Logic:

Incomer-1	Incomer-2	Bus Coupler
ON	ON	OFF
ON	OFF	ON (Auto)
OFF	ON	ON (Auto)

4. Provision for U/V, O/V & E/F protection with annunciator & hooter should be available for each source.
5. **Provision for Ammeter, Voltmeter in each source with 4-20mA DC O/P port should be available.**
6. Voltage & Current transducer with 4-20mA DC O/P port to be present for remote SAS.
7. Total number of MCBs (32A, 2P) should be 20 Nos in each bus, i.e 40 Nos.
8. Fabrication Details :
Size: (H x W x D): 1775mm x 1150mm x 500mm
Mounting Channel: 75 x 40 x 5mm
9. (a) Type of Panel : Non – Draw out Type
: Compartmentalized Structure
: Construction Single Front
: Indoor
(b) Type of Mounting: Floor Mounting
9. Cable Entry: Bottom (Incoming/Outgoing)
10. Thickness of Sheet Steel: (a) Load bearing member – 2.0mm (CRCA)
(b) Non Load bearing member – 2.0mm (CRCA)
(c) Gland Plate – 3.0mm (CRCA)
11. Busbar : Copper Busbar – 25 X 10 sq. mm
12. Earth Busbar Size : Copper strip – 25 X 10 mm
13. Control wiring with flexible copper conductor PVC insulated wires 1.1kv grade, make- Polycab, Finolex, RR Kabel or equivalent.
(a) AC Voltage circuit : 2.5 sq. mm (Red, Yellow, Blue, Black)
(b) AC Current circuit : 2.5 sq. mm (Red, Yellow, Blue, Black)
(c) Earthing : 2.5 sq. mm (Green) for all components.
(d) DC Control circuit: 2.5 sq. mm (Grey)
(e) AC Control circuit: 2.5 sq. mm (Black)
14. Power wiring with flexible copper conductor PVC insulated wires 1.1kv grade
32A MCB- 6 mm² copper
Incomer - 35 mm² copper

List of Materials to be included in the DCDB Panel			
Sl. No.	Description of Material	Unit	Qty
1	100A, 25KA, 2P MCCB, 220V DC, with adjustable O/L & S/C With ROM, Spreader Link & Shunt Release. MAKE- SIEMENS/ABB/C&S	No.	2
2	100 A DP CONTACTOR 250 V DC MAKE- SIEMENS/ Schneider/ L&T	No.	3
3	MCB-32A-2P-DC-10KA MAKE- SIEMENS/ Legrand/ Schneider/ L&T	No.	40
4	SHUNT-100A/75mV +/-0.5% MAKE- Any Reputed Brand	Nos.	2
5	On Delay Timer 250V DC	Nos	3
6	DC AMMETER-0-100A/75mV-1.5-90D (96) Digital Type (MAKE-L&T/AE)	Nos.	2
7	DC VOLTMETER-0-350V-1.5-90D-(96) Digital Type (MAKE-L&T/AE)	Nos.	2
8	DC Transducer-Ammeter (4-20) mA of reputed make	Nos.	2
9	DC Transducer-Voltmeter (4-20) mA of reputed make	Nos.	2
10	MCB-6A-2P-250V DC MAKE- SIEMENS/Schneider/L&T/C&S	Nos.	5
11	On- Off- Trip Indicator, 250V DC-22.5MM Make-Any reputed Brand	Sets	3
12	DC E/F Relay-250VDC, AUX SUPPLY-240VAC Make-C&S Type-FB1-220	Nos.	2
13	DC UV Relay, 250v DC, AUX-230VAC Make-C&S, Type-FDC1-V5-U-H	Nos.	2
14	DC O/V Relay, 250V DC, AUX-230VAC Make-C&S, Type-FDC1-V5-O-H	Nos.	2
15	FACIA DISPLAY -6 WINDOW-75-275VDC/AC Make-MINILAC/ JVS	Nos.	2
16	HOOTER AUX SUPP-60 TO 275VAC/ 20-275VDC Reputed Make)	Nos.	2
17	AUXILARY CONTACTOR 2NO+2NC 250V DC coil Make-Siemens/L&T/C&S	Nos.	5
18	Start/ Stop Push Button	Sets.	3
19	Auto/ Manual Selector Switch	Nos.	3
20	Emergency Push Button	Nos.	2
21	LAMP-230VAC-LED-12W Make-Any reputed Brand	Nos.	2
22	PB-DOOR LAMP-NC- (REFRIG SWITCH) Make-Any reputed Brand	Nos.	1
23	SPACE HEATER-100W-230VAC Make-Any reputed Brand	Nos.	1
24	THERMOSTAT-(30-85) C-15A-250VAC Make-Any reputed Brand	Nos.	1