

# ଓଡ଼ିଶା ବିଦ୍ୟୁତ୍ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲି.ଓ.



**ODISHA POWER TRANSMISSION CORPORATION LTD.**

(A Government of ODISHA Under Taking)

Regd. Office: Janpath, Bhubaneswar-751022, Odisha

OFFICE OF THE GENERAL MANAGER: ELECT.

EHT (O&M) CIRCLE: CHAINPAL, AT/PO: CHAINPAL COLONY,  
DIST: ANGUL (ODISHA), Pin-759104, [Email-ehm.cle.chp@optcl.co.in](mailto:ehm.cle.chp@optcl.co.in)  
CIN:U40102OR2004SGC007553/ GSTIN:21AAACO7873L1Z6

NO.EHT (O&M)/CPL/2019-20/461

/Dt.09-08-2019

## **CORRIGENDUM-01**

### **e-Tender Specification No: CHP-07/2019-20**

The above Tender Specification No. CHP-07/2019-20 for Supply of ACDB panel box for control room of 400kv Grid S/S Meramundali under EHT (O&M) Division, Meramundali is modified as follows:-

#### **Part-I(Section-II) General Term & Condition of Contract**

- 1) OPTCL will procure 02nos. of Control panel. So the Estimate amount for Two nos. of ACDB panel Box including accessories, wiring packing & forwarding is Rs.36,25,942.00/- including all Taxes & Duties.
- 2) Clause 29.K : Submission of sample may be excluded rather the bidder may be submitted the schematic drawing with equipment details e.g. make, rating, model, etc.

#### **Annexure-IV**

Sl. No. B-11, 12& 13 here by replaced by **Numerical Relay** with U/V, 3p Inst. /Definite Time O/C, Non-Directional Inst. E/F Protection-02 Nos. for each panel.Make- Siemens/C&S/ any reputed brand.

Sl. No. B15- In addition to Minilec, Allan make may be provided.

Sl. No. 1 to 5 (With each TP 200A & 125A MCCB and each TP 63A & 32A MCB suitable Link for Neutral has to be provided.

Revised BOQ and Technical specification is attached in Page-2 & 3.

Yours Faithfully,

**S/d**

General Manager (Elect.)  
EHT (O&M) Circle, Chainpal

<b>BOQ of 01 No. ACDB PANEL</b>				
<b>Sl. No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	
<b>A</b>	<b>EB Supply Incoming Feeder:</b>			
1	1250A, 50 KA 3P EDO ACB	1	No.	
2	UV Coil(220V DC)	1	No.	
3	1250 / 5A CT	4	Nos.	
4	6A SP MCB	6	Nos.	
5	32A NEUTRAL LINK	2	Nos.	
<b>B</b>	<b>DG SUPPLY INCOMING FEEDER:</b>			
1	800A, 50KA 3P EDO ACB	1	No.	
2	UV Coil(220V DC)	1	No.	
<b>C</b>	<b>BUS COUPLER FEEDER:</b>			
1	800A, 50KA 4P EDO ACB	1	No.	
2	UV Coil(220V DC)	1	No.	
<b>D</b>	<b>OUTGOING FEEDER:</b>			
<b>D.1</b>	<b>200A MCCB O/G FEEDER-10 Nos.</b>			
1	200A 36 KA TP MCCB with Thermal Magnetic Release with Neutral Link of suitable rating.	10	Nos.	
<b>D.2</b>	<b>125A MCCB O/G FEEDER-8 Nos.</b>			
1	125A 36 KA TP MCCB with Thermal Magnetic Release with Neutral Link of suitable rating.	8	Nos.	
<b>D.3</b>	<b>63A MCB O/G FEEDER-10 Nos.</b>			
1	63A 10KA TP MCB with Neutral Link of suitable rating.	10	Nos.	
<b>D.4</b>	<b>32A MCB O/G FEEDER-10 Nos.</b>			
1	32A 10KA TP MCB with Neutral Link of suitable rating.	10	Nos.	

### **TECHNICAL SPECIFICATION OF ACDB PANEL**

#### **1. FABRICATION DETAILS:-**

Material of sheet metal : Cold Rolled and Cold Annealed (CRCA)  
Sheet Thickness : 1.6mm (16SWG) for main frames (CRCA)  
: 1.6mm (16SWG) for partitions/covers (CRCA)  
: 2mm (14SWG) for Doors/Base plates (CRCA)  
Cable Entry : Top Entry as shown in the drawings.  
Gland plate : 3.00mm (12SWG) CRCA thick removable gland plate  
Tolerance : + 0.15mm

#### **2. DESIGN DETAILS:-**

Design of Panels : Non Draw out type (Fixed) design.  
Type of construction : Modular type (Projected Core)  
Operation : Single Front (Front Bus bars& Rear cable Chamber)  
Nature of installation : Indoor  
Mounting : Floor mounting as shown in drawing.  
Rated Voltage : 415V  $\pm$  10%, 3ph, 4Wire, TPN (Neutral will be 50% capacity of Ph.)  
Rated Frequency : 50Hz  $\pm$  5%  
Degree of protection : Dust & Vermin Proof, IP-52  
Gasket : Good quality Gasket for Doors and Covers will be provided  
Base Frame : 75mm X 40mm ISMC

### **3. BUSBAR DETAILS:-**

Material of conductor	: Hard drawn high conductivity Electrolytic Grade (E91E) AL. as per IS 5082
Current Density	: 0.8A/Sq.mm FOR MAIN BUSBAR
Fault Level	: 50KA/1sec
Busbar insulation/colour Coding	: PVC Heat shrinkable sleeves with R, Y,B& N colour coding.
Busbar supports	: Non Hygroscopic SMC supports
Busbar clearances	: Phase to Phase -25.4mm min. : Phase to Neutral-19mm min.
Sizes of Busbars (Main)	: HBBC & VBBC - 2R X 80 X 10 mm for Ph. - 1R X 80 X 10mm for Ne.

### **BUSBAR O/G FEEDERS:-**

: FOR 800A	- 2R X 50 X 10 Sq. mm for Ph. -1R X 50 X 10 Sq. mm for N.
: FOR 200A	- 1R X 25 X 10 Sq. mm for Ph. -1R X 25 X 6 Sq. mm for N.
: FOR 125A	- 1R X 25 X 6 Sq. mm for Ph. -1R X 25 X 3Sq. mm for N.
: FOR 63A	-16 Sq. mm CU FLEXIBLE CABLE.
: FOR 32A	- 6 Sq. mm CU FLEXIBLE CABLE.

### **4. PAINTING DETAILS:-**

BS Grey shade Texture Finish Polyester/TGIC based powder coated paint with surface treatment by shot blasting or phosphating as per IS 13871: 1993 with present amendments.

### **5. WIRING (650V/1100V GRADE):-**

Control wiring	: 1.5sq. mm PVC, multi-strand, flexible copper wire for control circuits.
CT wiring	: 2.5 sq. mm PVC, multi-strand, flexible copper wire for CT's

### **5A. COLOUR CODING:-**

Control wiring	: GREY
CT wiring	: RED, YELLOW, BLUE, BLACK

Yours Faithfully,

**S/d**

General Manager (Elect.)  
EHT (O&M) Circle, Chainpal