



ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡ.
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: BURLA,

AT/PO – BURLA, DIST.: SAMBALPUR – 768017

TELE/FAX: (0663) 2430160, e-mail: ehm.cle.brl@optcl.co.in

CIN: U40102OR2004SGC007553

OPEN TENDER CALL NOTICE NO. 19/ 2022-23

The General Manager (Elect.), E.H.T. (O&M) Circle, Burla invites sealed Tenders in duplicate from contractors having valid HT Contractor License, PAN, GST Registration Certificate for “**Erection of 250KVA 33/0.4KV Station Transformer including construction of plinth foundation, supply of materials and erection of the structure, equipment and transformer at 220/33KV Grid Sub-Station, Bonai**” under E.H.T. (O&M) Division, Rourkela.

The tender specification can be obtained from the office of The G.M. E.H.T. (O&M) CIRCLE, BURLA on payment of **Rs. 4000/- (Four Thousand only) + GST @ 18% (Non Refundable)** in shape of Cash/Bank Draft in favor of EHT (O&M) CIRCLE, BURLA payable at BURLA, Sambalpur from **Dt. 02.09.2022 (10:00Hr) to 16.09.2022 (17:00Hr)**. In case the B.D made any other nationalized bank payable at any clearing branch at Burla will be allowed, But the bidders have to deposit the collection fee (Bank transaction fee) along with the paper cost. The collection fee & Paper cost is Nonrefundable. Additional amount of Rs.100/- (One Hundred only) may be paid extra for postal delivery of the tender specification. The undersigned shall not be held responsible for any postal delay.

The Tender shall be received Up to 13:00 Hr of dated 17.09.2022 & will be opened at 15:30 Hr. on Dt.17.09.2022 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. E.M.D -NIL (Bid security declaration to be furnished in lieu of EMD) along with Self Attested Copy of PAN Card and GST Registration Certificate failing which the tender will be liable for rejection.

The bidder should superscribe only the “Tender Call Notice No. & Date of Opening of the tender on the body of the Sealed Envelope”. Bidder should not write their name or any other information on the body of the sealed envelope. Super scribing any other information on the body of the envelop. Conditional tender, Incomplete tender, Telegraphic / Fax / E-mail (etc.) Tenders & Tenders not accompanied with bid security declaration will be rejected. The authority reserves all rights to reject any, all or part of the Tender, alter/modify the requirement/ delete any part of the tender without assigning any reason thereof.

N.B:- Tender Paper must be purchased from this office only within stipulated period. No other mode like downloaded paper from website will be accepted.

Handwritten signature and date: 17/09/2022

**GENERAL MANAGER
E.H.T. (O&M) Circle, Burla**

Energy is precious. Save it.

TECHNICAL SPECIFICATION FOR ERECTION OF 250KVA 33/0.4KV STATION TRANSFORMER INCLUDING CONSTRUCTION OF PLINTH FOUNDATION, SUPPLY OF MATERIALS AND ERECTION OF THE STRUCTURE, EQUIPMENT AND TRANSFORMER AT 220/33KV GRID SUB-STATION, BONAI.

PART-A (Civil Work for Foundation of Station Transformer)			
Sl. No.	Description of Work/ material	Unit	Qty.
1	Excavation & Back Filling for foundation of equipment including supply of all material, labour and T&P and as per the instruction of EIC.		
1.1	<i>In first depth (upto 1.5 m) for Hard/Dense Soil</i>	Cum	3.47
2	Supply & spreading of loose fine, clear good quality river sand/crusher dust in switchyard, including stacking for measurement with supply of all labour and T&P	Cum	0.30
3	Foundation and reinforcement Supply of all materials, good quality planks, ballas, shuttering plates for centering, shuttering, supply of good quality 20 mm machine broken granite chips, good quality river sand and concreting, curing for foundation of coloumns, quipment structure, tranformer and cable trench slabs etc. as per IS 4156 including cost of taxes, royalties, lead lift, labour and T & P		
3.1	<i>With M-150 grade concrete in ratio (1:2:4) with cost of cement and without steel.</i>	cum	0.75
4	Cutting, bending, binding, placing in position of steel rods for foundation concreting including cost of binding wire.		
4.1	<i>With supply of all size of rod (TATA/RINL/SAIL Make)</i>	MT	0.02
5	Brick Mansonary in ratio 1:5 with supply of First class K.B.Bricks, good quality river sand, labour and T&P		
5.1	<i>With supply of cement</i>	Cum	4.91
6	Cement Plastering with Mortar of 1:6 ratio with supply of all fine ggregates (good quality river sand), all labour and T&P.		
6.1	<i>With supply of cement</i>	sqm	7.20
7	Pipe Earthing including excavation of earth, treatment of benotnate coumpound, back filling with borrowed earth, termination to earth mat riser by nut bolting, apply of paint where necessary with supply of all labour and T&P as per ISS-3043		
7.1	<i>With cost of earthing pipe (50 mm dia 3050 mm length medium guage) and (50x6 mm) G.I. Flat</i>	Per set	6.00
8	Supply & spreading of 20 mm size hard grantite machine broken metal in switchyard, including stacking for measurement with supply of all labour and T&P	Cum	0.51
11	Mobilization cost of above 10 persons to site movement beyond 200 km to 300 km	lots	1.00

PART-B (Material Req. for Erection and Commissioning of Station Transformer)			
Sl. No.	Description	Unit	Qty.
1	A.B Double Break Rotating Switch with Operating Handle (Beam/Channel Mounted) 36 kV, 400/200 A, 3 Pole	Set	1
2	Metal Oxide Surge Arrestor 36 kV, 10kA, Class III	Nos.	3
3	H/G Fuse	Set	1

	36 kV, 3 Pole		
4	R _S Joist Pole/H - Pole (150 x 150 mm), 9 m long, 2 Nos. (37 kg/m)	kg	666
5	Mounting Channel for 33 kV SA (100 mm x 50 mm x 6 mm), 3 m long, 2 Nos. (9.2 kg/m)	kg	55.20
6	Mounting Channel for AB Switch & HG Fuse (75 mm x 40 mm x 6 mm), 3 m long, 4 Nos. (6.8 kg/m)	kg	81.60
7	Cantilever Channel for Supporting HG Fuse (75 mm x 40 mm x 6 mm), 1 m long, 2 Nos. (4.5 kg/m)	kg	9.00
8	Angle for Cantilever Arrangement for Supporting HG Fuse (75 mm x 40 mm x 6 mm), 1 m long, 2 Nos. (4.5 kg/m)	kg	9.00
9	MS Nut, Bolt & Washer	kg	20.00
10	Outdoor Kiosk (LT Distribution cum Fuse Box) made out of 3 mm thick CRCA steel duly galvanized having gland plates or better quality with 3 nos. cut out (1000 A) at the incoming side, 1 no of 3- ϕ SFU (500 A) at the outgoing side with suitable bus bar arrangement for termination of incoming cable from transformer & outgoing cable to ACDB incl. supply of LT switchgears.	Set	1

PART-C (Erection of Structure, Equipments and Transformer)

Sl. No.	Description	Unit	Qty.
1	Erection of Superstructure : Supply of all labour, T&P and erection of columns, beam and equipment supporting structure.	Per MT	0.821
2	Erection of 36 kV LA (Beam Mounted)	No.	3
3	Erection of 36 kV Double Break A.B Rotating Switch with Operating Handle ; 3- ϕ (Beam Mounted)	Set	1
4	Erection of 36 kV H/G Fuse ; 3 Pole (Beam Mounted)	Set	1
5	Erection of Transformers <i>Dragging of transformer from site store to the plinth and vice-versa with supply of all labour, T&P</i>	Mtr.	200
6	Erection of Station TRF. - 33/0.4 kV (250kVA)	Per Trf.	1
7	Oil Filtration of the transformer incl. suply of filter machine, pipes, T&P, consumable and labour as req.	Per Trf.	1.00
8	Laying of LT Aluminium Power Armoured/Unarmoured cable including fixing of cable trays with terminal connections both at equipment and panels with supply and fixing of lugs, glands with crimping and clamps made of aluminium, fixing of cables on the trays with bolts and nuts, supply and fixing of PVC bend and pipes (where required)/excavation and laying under ground where required) 3.5C x 95 sqmm	Per Mtr. Run	250.00