



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. 41/ 2022-23

The General Manager (Elect.), E.H.T. (O&M) Circle, Burla invites sealed Tenders in duplicate from contractors having Civil contractor's license (Class- B or C) and EHT/ HT Contractor's license or JV with Electrical Contractor license (EHT/ HT), PAN, GST Registration Certificate for **"Wire Mesh Fencing Work For 132KV and 33KV Switchyard (Only Front Side) at 132/33KV Grid Sub-Station, Barpali"** under E.H.T. (O&M) Division, Barpali.

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. 30.12.2022 (10:00Hr) to 15.01.2023 (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 16.01.2023 & will be opened at 15:30 Hr. on Dt.16.01.2023 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: 29/12/2022

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

Energy is precious. Save it.

TECHNICAL SPECIFICATION

Sl. No.	Description of Work	Unit	Quantity
1	Excavation and backfilling for foundation of equipment and column including supply of all materials, Labour and T& P and as per the instruction of Engineer In charge.		
i	For Fence Post = 35 Nos. x 0.8m x 0.8m x 1.075m	Cum	22.400
ii	For Brick Toe Wall up to a depth of 0.575m of width 0.8m = (90-35x0.8)x0.575x0.8	Cum	28.520
iii	For Pillars of 02 nos. Gate = 4 Nos. x 1.15m x 1.15m x 1.1m	Cum	5.819
iv	Total	Cum	56.739
a	Hard/ Dense Soil (50% of Total)	Cum	28.370
b	Soft/Disintegrated Rock (Not requiring blasting) (50% of Total)	Cum	28.370
2	Disposal of surplus excavated earth (after backfilling) at site for distance of 100 metres. {50% of (56.607 Cum)}	Per Cum / Mtr.	2836.950
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 columns, equipment structure, transformer and cable trench slab etc. as per IS:4156 including cost of taxes, royalties, lead lift, Labour and T&P With cost of cement and without steel.		
a	With ratio of concrete [1:3:6]		
i	For Fence Post = 35 Nos. x 0.5m x 0.5m x 0.075m	Cum	0.656
ii	For Brick Toe Wall (353.8m) = (90-35x0.4)x0.5x0.075	Cum	2.850
iii	Pillars of 02 nos. Gate = 4 Nos. x 1.15m x 1.15m x 0.1m	Cum	0.529
iv	PCC Area beyond wiremesh fencing =	Cum	
	Total	Cum	4.035
b	With M-150 grade concrete in ratio [1:1.5:3]		
i	For Fence Post = 35 Nos. x 0.4m x 0.4m x 1.2m	Cum	6.720
ii	For Pillar Gate = 4 Nos. x 1.0m x 1.0m x 0.3m	Cum	1.200
iii	For Pillar Gate = 4 Nos. x 0.45m x 0.45m x 3.2m	Cum	2.592
	Total	Cum	10.512
4	Brick Masonary in ratio 1:5 with supply of First class K.B. Bricks, good quality river sand, Labour & T&P With supply of cement .		
i	Toe Wall (1st Layer) =(90-35x0.4)m x 0.375m x 0.3m	Cum	8.550
ii	Toe Wall (2nd Layer) = (90-35x0.4)m x 0.250m x 0.400m	Cum	7.600
	Total	Cum	16.150
5	Cement Plastering with Mortar of 1:6 ratio with supply of all fine aggregates (good quality river sand), all labour and T&P with supply of cement.		
i	For Brick Toe Wall and pillar posts = 90m x (0.2+0.25+0.2)m	Sqm	58.500
ii	For Gate Pillars = 4 Nos. x 4 Sides x 2.2m x 0.4m	Sqm	14.080
	Total	Sqm	72.580

6	Supply of GI Wiremesh Net (Hot dip) 75mm x 75mm Square & 3.15 mm thick including cutting as per size & fitting on the erected GI angles (90m x 2m) around 11 KG per one wire mesh of 3mx2m size	MT	0.330
7	Fabrication (Cutting of different size angles/Flats, drilling of holes) including cost of consumable, Labour, T&P and other ancillary item With cost of steel		
i	GI pipe of size 50mm dia and 5mm thickness = 35 Nos. x 3.2m long each x 6.19 kg/metre length & 2% extra for lapping, wastage etc.	MT	0.707
ii	GI Angle of size 50 mm x 50 mm x 6 mm to be used in making frame of size 2 m x 3 m = 30 nos. gaps x 2x(2+3) m x 4.47kg per metre length & 2% extra for lapping, wastage etc.	MT	1.438
iii	GI flat of size 50 mm x 6 mm for fixing of wiremesh net on diagonal opposite sides = 30 nos. gaps x 3.6 m each x 2 x 2.4 kg per metre length & 2% extra for lapping, wastage etc.	MT	0.529
iv	GI flat of size 50 mm x 6 mm of 150mm length for fixing of wiremesh nets with the GI pipe posts. 30x4=120nos required	MT	0.044
v	MS Plates of size 160mmx160mmx6mm to be fixed at the bottom of the 30 nos of pipe posts.(density=7800kg/m3)	MT	0.037
	Total	MT	2.755
8	Supply of 12mm x 20mm GI nuts & bolts required for fixing the frame to erected GI angle & wiremesh	MT	
i	30 nos. frame x 16 nos. GI nuts & bolts per frame x 0.070 kg per nut & bolt	MT	0.034
9	Cutting, bending, binding, placing in position of steel rods for foundation concreting including cost of binding wire required for Pillars of Switchyard Gate.	MT	0.252
10	Fabrication (cutting of different size angles/Flats, drilling of holes) & fixing of 01 nos. Main gate (5m x 2m) of approximate wt 50kg alongwith 01 no. Wicket gate (2mx2m) GI Gate of approximate wt 20kg including supply of all required materials and applying two coats of paint over primer as per instruction of the Engineer in charge.	LS	1.000
11	Earthing riser- Connection of diff size GI Flats (50x6 mm) from earth mat to Fence Post), welding of diff size flats, application of two coats of bituminous Paint, wrapping of HT Tapes over it (With supply of Labour and T&P) using GI Flat of size 50x6 mm with supply of GI flat (90/5 +1)*2 & 2% extra for wastage.	Per Mtr.	38.76
12	Mobilization cost above 10 persons to the site beyond 30KMs bellow 100KMs.	Lot	1.00

Hsh
29/12/2022

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