

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 02 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK TO CATER POWER SUPPLY TO OUT POST BUILDING AT DANGARBHEJA IN THE DISTRICT OF NABARANGAPUR.

BID REF NO.- 44/PM/ELECT/OPHWC/2026-27

NAME & ADDRESS OF THE FIRM					
SCHEDULE OF WORKS					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	CONSTRUCTION OF 11 KV LINE .				
1	WPB Pole 160x152 11Mtr long (30.44Kg per Meter) GI with base Plate & Stiffner (10.74Kg)	Nos	2	27300.82	54601.64
2	9Mtr long 300 Kg PSC Pole	No	3	3630.00	10890.00
3	RCC Base Plate for support	No	3	341.59	1024.78
4	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.31	74.00	96.94
5	11 KV V Cross Arm (10.2Kg each)	No	3	851.00	2553.00
6	GI Back Clamp for 11KV V cross Arm	No	3	140.00	420.00
7	11 KV F clamp GI 2.9 kg	No	3	135.00	405.00
8	11 KV Disc insulator 70KN polymer	Nos	18	146.19	2631.36
9	H W fittings 70 KN (3bolted)	Set	18	412.00	7416.00
10	11 KV 5 KN Pin insulator polymer	Nos	15	140.00	2100.00
11	55mm2 AAAC Conductor	Km	0.34	43360.00	14742.40
12	HT stay set (complete)	Set	3	1434.00	4302.00
13	Stay insulator	No	3	19.00	57.00
14	Stay Clamp	Pair	3	260.00	780.00
15	7/10 SWG GI stay wire	Kg	30	77.00	2310.00
16	GI Nut , Bolt & Washer of different sizes	Kg	5	74.00	370.00
17	100x50x6 mm M/S channel for Top Channel (1.2mx8pcs) & (0.206 Mtrx8 pcs) (9.2Kg/mtr) + Galvanisation charges..	Kg	103.48	78.00	8071.44
18	Wedge connector for 55 mm2 Conductor	Nos	18	100.00	1800.00
19	75x40x6 mm MS Channel of 2.2 Mtr long 4Nos for providing support for guarding at road crossing @6.8Kg/mtr.	Kg	59.84	111.00	6642.24
20	No-6 GI wire (Dia 4.8mm), 40Kg for 1no guarding	Kg	40	111.00	4440.00
21	Eye Hook	No	4	88.80	355.19
22	8 SWG GI wire for Cross lacing & Earthing for Guarding Channel	Kg	12	111.00	1332.00
23	GI pipe Earthing 40mm dia medium gauge 3mtr long for XLPE cable & LA	No	2	1554.00	3108.00

24	25x4 mm GI Flat for earthing of XLPE Cable	Kg	20	111.00	2220.00
25	Earthing for support (Coil type)	Nos	5	164.00	820.00
26	Danger Board	No	5	180.00	900.00
27	Back Clamp for Danger board	No.	1.5	72.00	108.00
28	GI barbed wire/Anticlimbing device spike type	kg	15	74.00	1110.00
29	Back Clamp for ACD	pair	6.02	72.00	433.44
30	Fish plate for Supporting LA(50x8mm of Flat,0.97kg/mtr & 0.28Mtr Long for each)	Kg	2.17	72.00	156.24
31	Black paint	Ltr	2.50	212.77	531.92
32	Yellow Paint	Ltr	5	212.77	1063.86
33	Sundries	Ls	1	1000.00	1000.00
	Total Rs.				1,38,792.45
	A. Sub total				1,38,792.45
B	Stock, Storage & Insurance @ 3% of A				4,163.77
C	Sub Total (C=A+B)				1,42,956.22
D	Contingency @3% of C				4,288.69
E	T & P 2% of C				2,859.12
F	Transportation @ 7.5% of C				10,721.72
G	Erection Charges for PSC Pole @ 20%				2,243.34
H	Erection Charges of DTR and Joist Poles @ 5%				2,811.98
I	Erection Charges of other @ 10%				7,549.98
J	Sub Total Rs.				1,73,431.05
H	Total				1,73,431.05
34	Concreting of support with C.C 1:1:5:3 @ 0.375Cum	No.	2	2991.98	5983.97
35	Couping with C.C. 1;1:5:3: for Poles=0.1125	No.	5	748.00	3740.00
36	Survey of incremental/delta network and asset changes of HT network and updatation in GESW database.	Km	0.11	9,633.00	1091.42
37	Cement Concreting for stud pole/stay anchor plate with C.C.1:2:4 .	No	3	1,300.00	3900.00
38	Material for earthing including masonry work for earth pit, and cement plate cover including salt, charcoal etc.	No	2	1,600.00	3200.00
	Total Material + Services Cost (J+K)				1,91,346.44
II	Construction of 3 Ph 5 W LT AB Cable (3x50+1x35+1x16 sq.mm.)=0.07 Km				
1	8 Mtr. Long 300 KG PSC Pole	No	2	2390.00	4780.00
2	RCC Base plate for PSC Pole	No	2	341.59	683.19
3	3x50+1x35+1x16 mm2 LT XLPE AB cable	Km	0.07	186000.00	13020.00
4	Pole Clamp For Eye hook for XLPE AB Cable.	No	2	240.00	480.00
5	Eye Hook for XLPE Aerial cable	No	2	75.00	150.00
6	Dead End Clamp	No	2	217.00	434.00
7	Suspension Clamp with Eye Hook for ABC	No	2	140.00	280.00
8	Piercing Connector	Nos	5	118.40	591.99
9	Earthing for support (Coil type)	No	2	164.00	328.00
10	No. 6 GI wire for earthing	Kg	0.52	74.00	38.48
11	LT Stay Set (Complete)	Set	1	736.00	736.00
12	L.T Stay Insulator	No	1	19.00	19.00
13	L.T Stay Clamp	No	1	350.00	350.00
14	7/12 SWG Stay Wire	Kg	8	79.00	632.00
15	GI Nut , Bolt & Washer of different sizes	Kg	2	74.00	148.00
16	Danger Board	No	2	180.00	360.00
17	Back Clamp for Danger board	Kg	0.60	74.00	44.40
18	GI barbed wire/Anticlimbing device spike type	Kg	6	74.00	444.00
19	Back Clamp for ACD	Kg	2.41	74.00	178.34
20	Black paint	Ltr	1	212.77	212.77
21	Yellow paint	Ltr	2	212.77	425.54

22	Sundries	Ls	1	500.00	500.00
A	Total Rs.				24,835.71
	A. Sub total				24,835.71
B	Stock, Storage & Insurance @ 3% of A				745.07
C	Sub Total (C=A+B)				25,580.78
D	Contingency @3% of C				767.42
E	T & P 2% of C				511.62
F	Transportation @ 7.5% of C				1,918.56
G	Erection Charges for PSC Pole @ 20%				984.68
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				2,065.74
J	Sub Total Rs.				31,828.80
H	Total				31,828.80
23	Concreting of support C.C. 1:1:5:3, 0.375Cum	No.	2	2493.32	4986.64
24	Couping with 1:1:5:3 for Poles=0.1125 Cum	No	2	748.00	1496.00
25	Survey of incremental/delta network and asset changes of LT network and updatation in GESW database.	Km	0.07	9,633.00	674.31
26	Cement Concreting for stay anchor plate with C.C. 1:2:4, 0.2Cum @ 6177.92/- (L)	No.	1	1300.00	1300.00
					40285.75
	Service Connection				
1	No-8 SWG 4.06 mm dia GI wire	Kg	3	111.00	333.00
2	100 AMP Kit Kat fuse	Nos	3	348.00	1044.00
3	Al. binding wire	Kg	0.2	621.60	124.32
4	Sundries	No	1	300.00	300.00
	A. Sub total				1,801.32
B	Stock, Storage & Insurance @ 3% of A				54.04
C	Sub Total (C=A+B)				1,855.36
D	Contingency @3% of C				55.66
E	T & P 2% of C				37.11
F	Transportation @ 7.5% of C				139.15
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				185.54
J	Sub Total Rs.				2,272.82
H	Total				2,272.82
III	Installation of 25 KVA 11/0.4KV Sub Station - 1 No.				
1	9 Mtr Long 300 Kg PSC Pole	No	2	3,630.00	7260.00
2	RCC Base plate for PSC Pole	No	2	341.59	683.19
3	Pressure Channel 100x50x6mm of 2.8Mtr Long 02 Nos	Kg	51.52	78.00	4018.56
4	Transformer mounting channel of 100x50x6mm,2.8mtr long 2nos. (9.2kg/Mtr)	Kg	51.52	78.00	4018.56
5	AB Sw.and HG Fuse. Mounting Channel 75x40x6mm GI	kg	76.16	78.00	5940.48
6	Cantilever Channel for supporting HG Fuse 75x40x6mm MS Angle 1.5mtr Long 2Nos (6.8Kg/mtr)	Kg	20.4	78.00	1591.20
7	Back Clamp for Supporting Cantilever Channel for HG Fuse	No	2	140.00	280.00
8	Angle for cantilever arrangement for HG fuse 50x50x6mm 1.5 mtr long each,2Nos (4.5kg/mtr) with Galvanisation charges	Kg	18	78.00	1404.00
9	Back Clamp for Cantilever Angle	Nos	4	140.00	560.00
10	Transformer belting 50x50x6mm, angle 3.5 long2nos (4.5kg/mtr.) with side angle total(7mtr)	Kg	31.5	78.00	2457.00

11	Angle for Mounting of LTDB box 50x50x6 mm 3mtr long each ,(4.5kg/Mtr) with Galvanized charges.	Kg	13.5	78.00	1053.00
12	Channel for AB switch Handle 75x40x6mm, 1Mtr Long 1 No (6.8Kg/mtr) with Galvanized charges.	Kg	6.8	78.00	530.40
13	Back Clamp for Supporting AB switch Handle Channel.	No	1	140.00	140.00
14	55 Sq. mm AAAC Conductor	Km	0.04	43360.00	1734.40
15	11 KV Disc insulator 70KN Polymer	Nos	3	146.19	438.56
16	H W fittings 70 KN (3bolted)	Set	3	412.00	1236.00
17	11KV 5KN Pin insulator polymer	Nos	3	140.00	420.00
18	11KV AB switch 3pole, 200A	Set	1	9080.00	9080.00
19	11KV HG Fuse 3Pole, 200A	Set	1	6,037.00	6037.00
20	11KV Lighting arrestor 9KV, 5KA	Nos	3	1450.40	4351.19
21	LT Distribution Box (GI) with MCCB, Aluminium Busbar of Single Bay with Kit kat fuse for 25KVA S/S	Nos	1	26,720.00	26720.00
22	25 KVA , 11/0.4 KV(AL) Transformer BIS Energy Level-II	No	1	71785	71785.00
23	1.1 KV Al 1Cx 70 sq. mm Un-armoured Cable	Mtr	24	88.00	2112.00
24	GI Pipe for earthing 40mm dia 3mtr long	No	7	1,300.00	9100.00
25	Earthing for support (Coil type)	No	2	164.00	328.00
26	No 6 GI Wire for earthing	Kg	0.52	74.00	38.48
27	GI Flat (25x6mm) for Neutral & body earthing of DTR	Kg	80	72.00	5760.00
28	GI Nut, Bolt & washers of different sizes	Kg	25	74.00	1850.00
29	Danger Board	Nos	2	180.00	360.00
30	Back clamp for danger board	Kg	0.60	135.00	81.25
31	GI barbed wire/Anticlimbing device	kg	6	74.00	444.00
32	Back Clamp for ACD	Kg	2.41	74.00	178.34
33	Fish Plate for LA Fixing (50x8mm of Flat ,0.97kg/Mtr & 0.28 mtr Long for each)	Kg	3.26	74.00	241.24
34	HT Stay Set (Complete)	Set	2	1434.00	2868.00
35	HT Stay Insulator type-C	No.	2	19.00	38.00
36	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	260.00	520.00
37	7/10 SWG Stay Wire	KG	20	77.00	1540.00
38	Black colour paint	Ltr	1	212.77	212.77
39	Yellow paint	Ltr	2	212.77	425.54
40	Sundries	LS	1	1,000.00	1000.00
A	Total Rs.				1,78,836.16
	A. Sub total				1,78,836.16
B	Stock, Storage & Insurance @ 3% of A				5,365.08
C	Sub Total (C=A+B)				1,84,201.24
D	Contingency @3% of C				5,526.04
E	T & P 2% of C				3,684.02
F	Transportation @ 7.5% of C				13,815.09
G	Erection Charges for PSC Pole @ 20%				1,495.56
H	Erection Charges of DTR and Joist Poles @ 5%				3,696.93
I	Erection Charges of other @ 10%				10,278.49
J	Sub Total Rs.				2,22,697.38
H	Total				2,22,697.38
41	Concreting of support with C.C 1:1:5:3 @ 0.375Cum	No.	2	2,493.32	4,986.64
42	Couping with C.C. 1;1:5:3: for Poles=0.1125 cum	Nos	2	748.00	1,496.00

43	Material for earthing including masonry work for earth pit, and cement plate cover including salt, charcoal etc.	Nos	7	1600.00	11,200.00
44	Survey and digitization of new DSS & its internal attributes.	Nos	1	6,883.00	6,883.00
45	Cement Concreting for stud pole/stay anchor plate with C.C.1:2:4 as per TPSODL Specification and drawing=0.2cum .	No	2	1,300.00	2,600.00
	S. Total Amount				2,49,863.02
IV	Construction of barbed wire fencing with sand and metal spreading for distribution.				
46	RCC Pillar of 6ft Long	No	10	450.00	4500.00
47	Cooping of pillar with C.C. 1:3:6 using 40mm HBG metal size 15"x15"x18"=0.0663cum @4158.84	Nos	10	276.00	2760.00
48	GI Barbed wire @6.044mtr/kg 6Nos run=40ftx6=240ft=73.152mtr=12.10kg	Kg	12.1	80.00	968.00
49	MS Grill gate 1.5mtr(h)x1.5mtr(w), made of 35x35x6mm Angle and 25x6mm flat. (Angle for out side boarder with horizontal & vertical crossing for i) 35x35x6mm MS Angle=1.5mtrx4=6mtr@3kg/mtr=18kg@ Rs 65/kg=Rs1170/- ii)25x6mm flat=1.5mtrx8x2=24mtr @1.2kg/mtr =28.8Kg @Rs75=Rs2160/- iii) Painting of gate with 2Coat-Rs200/-(LS)	Nos	1	3530.00	3530.00
50	Filling sand @Rs 431.60/cmt for (8ftx12ft x1/2ft) =48Cft=1.359 Cmt.	Ls	1	587.00	587.00
51	40mm size HBG metal @Rs.981.36/Cmt for (8ftx12ftx1/4ft)=24Cft=0.679 Cmt.	Ls	1	667.00	667.00
52	Sundries	Ls	1	300.00	300.00
					263175.02
	Sub Total Rs.				₹ 4,97,080.03
	Cess @ 1%				₹ 4,970.80
	Total Estimated Cost				₹ 5,02,050.83
	Total Estimated Cost in Figures				₹ 5,02,051.00
EXCESS ☐	LESS ☐ (Please Tick)	In Figure _____ %			
		In word _____ %			
Quoted Amount in Figure					
Quoted Amount in word					

N:B- The Estimated cost is exclusive of GST .

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect)

Sd/-
Dy. Manager (Elect)

Sd/-
Project Manager (Elect)