

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 :- 06 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 50X2 CAPACITY ADDITIONAL WARD, DINING HALL AT SUB-JAIL, NABARANGPUR IN THE DISTRICT OF NABARANGPUR.

BID REF NO.- 105/PM/ELECT/OPHWC/2023-24

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-I	Erection of LT 3ph 5 W line using 3x95+1x70+1x16 sqmm XLPE AB Cable=0.22 Km With 4 Nos. LT Intermediate Pole.				
1	8 Mtr. Long 200 KG PSC pole	No	4	2600.00	10400.00
2	Base plate	No	4	340.00	1360.00
3	3x95+1x70+1x16 sqmm XLPE AB Cable	Mtr.	220.00	315.90	69498.00
4	Pole clamp with I hook	No	4	260.00	1040.00
5	Suspension clamp with I Hook	No	4	442.00	1768.00
6	Dead end clamp Eye Hook	No	4	84.50	338.00
7	Piercing connector	No	4	104.00	416.00
8	Neutral connector	No	4	42.90	171.60
9	Earthing support coil type	No	4	215.80	863.20
10	L.T Stay set (Complete)	Set	2	676.00	1352.00
11	L.T Stay Insulator	No.	2	39.00	78.00
12	L.T Stay Clamp(1.4 K.g/Pair)	Pair	2	143.00	286.00
13	7/12 SWG Stay Wire	Kg	16	97.50	1560.00
14	GI Nuts and Bolts of assorted size	Kg	5	101.40	507.00
15	Sundries	LS	1	500.00	500.00
	A.Sub Total Rs.				90,137.80
B	Stock,storage and insurance (@3% on A)				2704.13
C	TOTAL RS.				92841.93
D	T&P @ 2% of C				1856.84
E	Contingency @ 3% of C				2785.26
F	Transportation @ 7.5% of C				6963.15
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				10355.31
H	TOTAL RS.				114802.49
16	Couping with CC 1:3:6 by using 12 mm size Hard broken granite chips= 0.3Mtrx 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	4	193.00	772.00
17	Cement Concreting for stay anchor plate with CC 1:3:6 using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	2	1160.00	2320.00

	Total Rs.(Part-I)				1,17,894.49
PART-II	Upgradation of S/S from 100 KVA,11/0.4 KV to 250 KVA 11/0.4KV sub station - 1 No.				
1	Top Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)GI	K.g	51.52	97.50	5023.20
2	AB switch &HG fuse mounting channel(75x40x6)mm,GI channel each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	97.50	7425.60
3	Cantilever Channel for supporting HG Fuse 75x40x6mm. MS Angle 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	97.50	1326.00
4	Cantilever Channel for supporting HG Fuse 50x50x6mm MS Angle 1 mtr. Long 2 Nos. (4.5 kg./mtr.)GI	Kg.	9	97.50	877.50
5	Cantilever Channel for supporting arrangement AB switch 50x50x6mm MS Angle 2 mtr. Long 2 Nos. (4.5 kg./mtr.)GI	Kg.	18	97.50	1755.00
6	Angle for mounting LT Distribution Box (50x50x6)mm 3 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	13.5	97.50	1316.25
7	11 KV HW fitting 3 Bolt T&C	No	3	169.00	507.00
8	Disc insulator 45 KN (T&C) Polymer	No.	3	1118.00	3354.00
9	11KV AB switch 3 pole(400 Amp)	Set	1	15405.00	15405.00
10	11KV HG fuse 3 pole(400 Amp)	Set	1	14989.00	14989.00
11	9KV 5KA LA, Station class	No.	3	1274.00	3822.00
12	LT Distribution Box with MCCB, Aluminium Bus Bar for 3- bay with Kitkat fuse for 250 KVA S/S.	No	1	62400.00	62400.00
13	40 mm Nominal bore GI Pipe Medium gauge earthing device 3 mtrs long	No	5	1365.00	6825.00
14	Materials for earthing including massonary work for eathpit, charcoal,salt & RCC cover etc.	No	5	1500.00	7500.00
15	No. 6 GI Wire for earthing	Kg	25	97.50	2437.50
16	GI Flat 25x6 mm for neutral & body earthing of DTR	Kg	25	97.50	2437.50
17	GI Nuts and Bolts of assorted size	Kg	20	101.40	2028.00
18	250 KVA ,11/0.4 KV(AL) Transformer BIS energy Level-II	No	1	348985.00	348985.00
19	LT 3.5 core ,95 sq. mm PVC cable(Unarmoured)	Mtr.	6	432.90	2597.40
20	Back clamp for ACD (25x3 mm GI earth Flat,0.59 Kg/Mtr. & 0.51 Mtr. For each Back Clamp.)	Kg	0.602	97.50	58.70
21	Sundries (Paint,insulating tape,clamp connector,jumpering materials,socket & other acessories etc.	LS	1	3500.00	3500.00
	A.Sub Total Rs.				494569.65
B	Stock,storage and insurance (@3% on A)				14837.09
C	TOTAL RS.				509406.73
D	T&P @ 2% of C				10188.13
E	Contingency @ 3% of C				15282.20
F	Transportation @ 7.5% of C				38205.51
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				32967.94
H	TOTAL RS.				606050.52

22	Brick Boundary wall for fencing with sand and metal spreading to the New DP mounted DSS(2 Nos. as per site Requirement.)	Ls	2	40000.00	80000.00
23	MS Grill gate 1.5mtr (h) x 1.5mtr (w) made of 35x35x6 mm Angel and 25x6mm flat (Angel for outside boarder with horizontal & vertical crossing for i)35x35x6mm MS Angel=1.5mtr x 4 = 6mtr @ 3kg/mtr = 18kg@ Rs.93.00/kg=Rs.1674.00/- (with galvanisation charges) ii) 25x6 mm GI flat = 1.5mtr x8x2=24mtr@1.2kg/mtr=28.8kg@Rs.93.00/kg=Rs.2678.80 iii) Painting of gate with 2 coat= Rs.200/- (LS) Total = Rs.(1674+2678+200)= Rs.4552.80	No	2	4552.80	9105.60
24	Filling Sand @ 431.60/cmt for(8ft x 12ft x 1/2ft) = 48 Cft= 1.359Cm. i.e 1.359 x 431.60= 586.54 or 587.00		2	587.00	1174.00
25	40MM Size HBG Metal @ Rs.981.36/cmt for (8ft x 12ft x 1/4ft) = 24Cft = 0.679Cmt i.e. 0.679 x 981.36 = 666.75 or say Rs. 667.00		2	667.00	1334.00
26	Sundries (Danger Board,anticlimbing device etc.)	LS	2	350.00	700.00
27	Earth work for digging foundation Plinth=2 Mtr.x2 Mtr.x0.9 Mtr.=3.6 Cum @ Rs.99/Cum	LS	1	356.40	356.40
28	Filling in foundation and Plinth with sand, water and rammed as directed by Engineer-in charge 0.15 Mtr.x2mtr.x2mtr.=0.6 cum	LS	1	237.41	237.41
29	Cement concreting 1:4:8 with 4 cm size HBG metal 1 mtr.x2mtr.x2mtr.=0.4 cum	Ls	1	1156.52	1156.52
30	RR Hg stone masonry in cement mortar(1:6) in foundation plinth per 1 cum (0.65x2x2)Mtr=2.6 cum (1.4x1.8x1.8)Mtr=4.54 cum Total 7.14 cum@2157.74/cum	Ls	1	15406.26	15406.26
31	Cement Concreting e with CC 1:2:4 using 12mm size HBG chips= 0.1 Mtrx 1.8 Mtrx1.8 mtr= 0.32 cum	Nos.	1	1462.21	1462.21
32	8 mm Rod=1.8 Mtr.x13x2=46.8 Mtr @ 0.39 Kg/Mtr.	Nos.	1	970.33	970.33
33	16 mm thick cement plaster (1:6) over brick work & stone work 4x1.8x1.8+1x1.8x1.8=12.96+3.24=16.2sq.ft @ Rs.103.73/sq. ft.	Ls	1	1680.43	1680.43
					113583.16
				Total Rs.	7,19,633.68
	Total Estimated Cost				8,37,528.16
	Total Estimated Cost in Figures				8,37,528.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)				_____%

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/-
D.M (Elect) I/C**

**Sd/-
Project Manager(Elect.)**