

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 :- 09 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO RECORD ROOM AND IUCAW BUILDING AT DISTRICT POLICE OFFICE, 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.
SCHEDULE OF WORKS					
PART-I	SHIFTING AND ERECTION OF 11 KV LINE-0.25 KM				
1	11 Mtr. Long 116x100mm GI Pole(23 Kg/Mtr.)	No	5	24667.5	123337.5
2	Earthing support coil type	No	5	215.80	1079.00
3	Base plate	No	5	1950.00	9750.00
4	11 KV 'V' cross arm(10.2 Kg each)	No.	5	1053.00	5265.00
5	GI Back clamp for 11 KV V Cross Arm	No.	5	104.00	520.00
6	Top F clamp for PSC Pole ,2.9 Kg	No.	5	312.00	1560.00
7	Top Bracket 100x50x6 mm MS channel(02 Kg)	No	5	195.00	975.00
11	80 sq. mm AAAC	Km	0.7725	55900.00	43182.75
10	11KV Pin Insulator polymer	No.	15	260.00	3900.00
12	HT stay set complete	No.	3	1365.00	4095.00
13	11KV stay insulator	No.	3	65.00	195.00
14	HT stay clamp (1.9 Kg/Pair)	pair	3	162.50	487.50
15	7/10 SWG stay wire, Grade-2	Kg	36	97.50	3510.00
16	GI Nuts and Bolts of assorted size	Kg	12	101.40	1216.80
22	GI barbed wire anticlimbing device(3 Kg per support)	Kg	15	104.00	1560.00
23	Back clamp for ACD (25x3 mm GI earth Flat,0.59 Kg/Mtr. & 0.51 Mtr. For each Back Clamp.)	Kg	6.02	97.50	586.95
20	Danger Board	No.	5	104.00	520.00
21	Back clamp for Danger Plate 25x3 mm flat,0.59 kg/Mtr.,flat of 0.510 Mtr.,1 No.	Kg	3.01	97.50	293.48
24	Sundries (Paint,insulating tape,clamp connector,jumpering materials,socket & other accessories etc.	LS	1	1000.00	1000.00
	A.Sub Total Rs.				203033.98
B	Stock,storage and insurance (@3% on A)				6091.02
C	TOTAL RS.				209124.99
D	T&P @ 2% of C				4182.50
E	Contingency @ 3% of C				6273.75
F	Transportation @ 7.5% of C				15684.37
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				14560.62

H	TOTAL RS.				249826.24
20	Stay concreting in ratio 1:2:4 as per TPSODL specification and drawing = 0.2 cum	Nos.	3	1235.58	3706.74
21	Concreting of 11 Mtr. Pole in ratio 1:1:5:3=0.45 cum	Nos.	5	2880.00	14400.00
23	Couping of Poles in ratio 1:1:5:3,0.1125 cum	Nos.	5	720.00	3600.00
24	Labour charges for Dismantling of HT Pole=2 Nos,Span-1 No.	Ls	2	2444.00	4888.00
					276420.98
PART-II	RENOVATION OF PLINTH MOUNTED S/S AND INSTALLATION OF 11/0.4 KV 100 KVA S/S WITH BRICKS BOUNDARY WALL.				
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 2- bay with Kitkat fuse for 100 KVA S/S.	No	1	31744.70	31744.70
13	40 mm Nominal bore GI Pipe Medium gauge earthing device 3 mtrs long	No	1	1365.00	1365.00
14	Materials for earthing including massonary work for eathpit, charcoal,salt & RCC cover etc.	No	1	1500.00	1500.00
15	No. 6 GI Wire for earthing	Kg	10	97.50	975.00
16	GI Flat 25x6 mm for neutral & body earthing of DTR	Kg	10	97.50	975.00
17	GI Nuts and Bolts of assorted size	Kg	20	101.40	2028.00
18	100 KVA ,11/0.4 KV(AL) Transformer BIS energy Level-II	No	1	152100.00	152100.00
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.				252644.35
B	Stock,storage and insurance (@3% on A)				7579.33
C	TOTAL RS.				260223.68

D	T&P @ 2% of C				5204.47
E	Contingency @ 3% of C				7806.71
F	Transportation @ 7.5% of C				19516.78
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				18189.22
H	TOTAL RS.				310940.85
22	Brick Boundary wall for fencing of 5' height with 9" wall for area 8ftx12 ft	Ls	1	40000.00	40000.00
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	1	4552.80	4552.80
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		1	587.00	587.00
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		1	667.00	667.00
26	Sundries (Danger Board,anticlimbing device etc.)	LS	1	350.00	350.00
					46156.80
				Total Rs.	3,57,097.65
PART-III	Extension of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=0.24 Km				
1	9 Mtr. Long 300 KG PSC pole	No	8	3900.00	31200.00
2	Base plate	No	8	340.00	2720.00
3	3x95+1x70+1x16 sqmm XLPE AB Cable	Mtr.	240.00	182.00	43680.00
4	Pole clamp with I hook	No	8	260.00	2080.00
5	Suspension clamp with I Hook	No	8	442.00	3536.00
6	Dead end clamp Eye Hook	No	8	84.50	676.00
7	Piercing connector	No	2	104.00	208.00
8	Neutral connector	No	2	42.90	85.80
9	Earthing support coil type	No	8	215.80	1726.40
10	L.T Stay set (Complete)	Set	4	676.00	2704.00
11	L.T Stay Insulator	No.	4	39.00	156.00
12	L.T Stay Clamp(1.4 K.g/Pair)	Pair	4	143.00	572.00
13	7/12 SWG Stay Wire	Kg	32	97.50	3120.00
14	GI Nuts and Bolts of assorted size	Kg	12	101.40	1216.80
15	Sundries	LS	1	500.00	500.00
	A.Sub Total Rs.				94,181.00
B	Stock,storage and insurance (@3% on A)				2825.43
C	TOTAL RS.				97006.43
D	T&P @ 2% of C				1940.13
E	Contingency @ 3% of C				2910.19
F	Transportation @ 7.5% of C				7275.48

G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				12914.24
H	TOTAL RS.				122046.47
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.	8	193.00	1544.00
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.	4	1160.00	4640.00
	Total Rs.(Part-I)				1,28,230.47
PART-IV	DISMANTLING CHARGES				
1	Dismantling of HT Poles	No	2	972.00	1,944.00
2	Dismantling of HT spans	Span	4	500.00	2,000.00
PART-V	SERVICE CONNECTION				
1	LT 3.5 core ,50 sq. mm PVC cable	Mtr.	30	263.90	7,917.00
2	GI Wire No.8	Kg	3	97.50	292.50
3	Insulated piercing connector Type-B main 16 to 95 sq. mm & tap-2.5 to 10 sq. mm	No	3	52.00	156.00
4	Neutral connector Type-B suitable for main 35-70 sq. mm AAAC & Tap-2.5 to 10 sq. mm service cable cover by black weather resistant insulation cover.	No	1	42.90	42.90
5	Kitkat Fuse-200 Amp	No	3	647.40	1,942.20
6	GI S/C Bracket	No	1	351.00	351.00
7	Sundries	Ls	1	300.00	300.00
	A.Sub Total Rs.				11,001.60
B	Stock,storage and insurance (@3% on A)				330.05
C	TOTAL RS.				11331.65
D	T&P @ 2% of C				226.63
E	Contingency @ 3% of C				339.95
F	Transportation @ 7.5% of C				849.87
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				1133.16
H	TOTAL RS.				13881.27
	Total Estimated Cost				7,79,574.38
	Total Estimated Cost in Figures				7,79,574.00
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/-
Project Manager(Elect.)

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