

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 :- 04 AS PER IFB

NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-F TYPE STAFF QUARTERS AT GUDARI POLICE STATION IN THE DISTRICT OF RAYAGADA.

BID REF NO.-86 /PM/ELECT/OPHWC/2025-26

**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.
PART-I	Constrution of 11 kv Line.				
1	11 KV 'V' cross arm(10.2 Kg each)	No.	3	1150.20	3450.60
2	Back clamp for 11 KV V cross Arm	No.	3	113.60	340.80
3	11 KV F clamp 2.9 Kg each	No	3	340.80	1022.40
4	Top Bracket 100x50x6 mm MS Channel(2 Kg each)	No.	12	213.00	2556.00
5	Disc insulator 45 KN (B&S) Polymer	No.	18	1221.20	21981.60
6	11 KV HW fitting (B&S)45 KN, 2 Bolt	No	18	184.60	3322.80
7	11 KV Pin Insulator	No	18	284.00	5112.00
8	HT stay set (Complete)REC Construction standard	No.	6	1491.00	8946.00
9	HT stay Insulator, Type-C	No.	6	71.00	426.00
10	Stay clamp(1.9 Kg/Pair)	pair	6	177.50	1065.00
11	7/10 SWG GI Stay wire, grade-2	Kg	60	106.50	6390.00
12	Earthing Device coil type GI	No	6	235.72	1414.32
13	GI Nuts and Bolts of assorted size	Kg	10	110.76	1107.60
14	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 2 Nos, 9.56 Kg/Mtr.	Kg	132.48	106.50	14109.12
15	WPB 160x152 mm (30.44 Kg/Mtr.)11 Mtr. Long with Base Plate 300x300x12 for Stud Pole	No.	6	34321.52	205929.12
16	55 sq. mm AAAC	Km	0.062	42600.00	2641.20
17	55 sq. mm insulated Covered Conductor	Km	0.309	99740.00	30819.66
18	PG clamp for 55 sq. mm AAAC	Nos.	18	681.60	12268.80

19	Fish Plate 50x8 mm, 0.97 Kg/Mtr., each 0.280 Mtr. Length	Kg	4.889	106.50	520.68
20	100x50x6 mm GI channel for straight cross arm,1.5 Mtr. Each 4 Nos, 9.2 Kg/Mtr.	Kg	165.5	106.50	17625.75
21	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No.	6	1491.00	8946.00
22	GI Flat (25x6)mm for earthing og Guarding both sides	Kg	60	106.50	6390.00
23	Galvanisation of RS & MS Materials	Kg	63.3	14.20	898.86
24	Danger Board	No	6	113.60	681.60
25	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	18	113.60	2044.80
26	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.836	106.50	195.53
27	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	7.344	106.50	782.14
28	Sundries	Ls	1	3600.00	3600.00
	A.Sub Total Rs.				364,588.38
B	Stock,storage and insurance (@3% on A)				10937.65
C	TOTAL RS.				375526.03
D	T&P @ 2% of C				7510.52
E	Contingency @ 3% of C				11265.78
F	Transportation @ 7.5% of C				28164.45
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				26947.25
H	TOTAL RS.				449414.04
29	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	6	1600.00	9600.00
30	Concreting of WPB poles in ratio 1:1:5:3=0.45 cum @6648.85	Nos.	6	2991.98	17951.88
31	Cement concrete for Stud/Stay Anchor Plate with (1:2:4),0.2 cum @66648.85	Nos.	6	1329.77	7978.62
32	Couping of poles in ratio 1:1:5:3, 0.1125 cum @66648.85	Nos.	6	748.00	4488.00
33	Dismantling of HT Line	Mtr.	300	6.44	1932.00
34	Dismantling of 8 Mtr. PSC Pole	No.	6	920.61	5523.66
35	Survey of incremental / delta network and assets changes of 11 KV network and updation in GESW database.	Km	0.02	9633.00	192.66
					497080.86

PART-II	Installation of 63 KVA 11/0.4KV sub station - 1 No.				
1	WPB GI Pole 160x152 mm (30.44 Kg/Mtr.)11 Mtr. Long	No.	2	34321.52	68643.04
2	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	106.50	5486.88
3	Transformer mounting GI channel 100x50x5 mm-2.8 Mtr. Long,2 Nos.(9.56 Kg/mtr)	K.g	51.52	106.50	5486.88
4	AB switch & HG Fuse mounting GI channel(75x40x6)mm,each 2.8mtr long, 4 Nos. (6.8 Kg/mtr)	K.g	76.2	106.50	8115.30
5	Cantilever GI Channel for supporting HG Fuse,75x40x6mm MS Angle -1 Mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	106.50	1448.40
6	Cantilever GI Channel for supporting HG Fuse,50x50x6mm MS Angle -1 Mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	9	106.50	958.50
7	Angle for Cantilever arrangement for AB Switch and HG Fuse 50x50x6 mm 2 Mtr. Long each 2 Nsos.(4.5 Kg/Mtr.)	Kg.	18	106.50	1917.00
8	Transformer Belting Angle GI 50x50x6mm ,2.8 mtr long(4.5 K.g/mtr)with side angle Total 7 mtr.	K.g	31.5	106.50	3354.75
9	LT Distribution Box mounting angle GI(50x50x6)3 Mtr. Long (4.5 Kg/Mtr.)	Kg	13.5	106.50	1437.75
10	Disc insulator 45 KN (B&S) Polymer	No.	3	1221.20	3663.60
11	11 KV HW fitting (B&S)45 KN	No	3	184.60	553.80
12	11KV AB switch 3 pole(200 Amp, 50 Hz,Polymer type insulator, Horizontal type)	Set	1	10437.00	10437.00
13	11KV HG fuse 3 pole(200 Amp, 3 pole, 50 Hz,Polymer type insulator, Horizontal type)	Set	1	8690.00	8690.00
14	11 KV LA(9 KV, 10 KA)DH class	No.	3	1420.00	4260.00
15	LT Distribution box with MCCB, Aluminum Bus bar for 2 bay with Kitkat Fuse for 63 KVA S/S	No	1	26017.24	26017.24
16	Spike GI using 50x6 mm flat welded with 8 mm square bar(2 Nos. spike per set in each pole)	No	4	220.00	880.00
17	HT stay set (Complete)REC Construction standard	No.	2	1491.00	2982.00
18	HT stay Insulator, Type-C	No.	2	71.00	142.00
19	Stay clamp(1.9 Kg/Pair)	pair	2	177.50	355.00
20	7/10 SWG GI Stay wire, grade-2	Kg	20	106.50	2130.00
21	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1491.00	10437.00
22	Earthing Device coil type GI	No	2	235.72	471.44
23	No.6 GI wire	Kg	35	106.50	3727.50
24	25x6 mm GI flat for earthing	Kg	25	106.50	2662.50
25	GI Nuts, Bolts and washers of assorted size	Kg	25	110.76	2769.00

26	63 KVA, 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	122830.00	122830.00
27	95 sq. mm 3.5 core LT PVC Cable(Un-armoured)	Mtr.	12	472.86	5674.32
28	Danger Board	No.	2	113.60	227.20
29	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.602	106.50	64.11
30	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
31	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.407	106.50	256.35
32	Sundries(Pole Numbering, Zebra painting, Binding wire and other accessories)	Ls	1	3000.00	3000.00
	A.Sub Total Rs.				309,760.16
B	Stock,storage and insurance (@3% on A)				9292.80
C	TOTAL RS.				319052.97
D	T&P @ 2% of C				6381.06
E	Contigency @ 3% of C				9571.59
F	Transportation @ 7.5% of C				23928.97
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				22044.43
H	TOTAL RS.				380979.02
33	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00
34	Concreting of WPB poles in ratio 1:1:5:3=0.45 cum @6648.85	Nos.	2	2991.98	5983.96
35	Couping of poles in ratio 1:1:5:3, 0.1125 cum @66648.85	Nos.	2	748.00	1496.00
36	Cement concrete for Stud/Stay Anchor Plate with (1:2:4),0.2 cum @66648.85	Nos.	2	1329.77	2659.54
37	Survey and digitization of new DSS and its internals including attrubutes.	No.	1	6883.00	6883.00
38	Survey and digitization of new MCCB/ LTDB and its internals including attrubutes.	Job	1	6883.00	6883.00
39	Filling Sand @ Rs.431.60/cmt for (8ftx12ftx1/2 ft)=48cft=1.359 cmt	No.	1	1390.12	1390.12
40	Metal spreading of 40 mm size HGB Metal @ 981.36/cmt for (8ftx12ftx1/4 ft)=24 cft=0.679 cmt	No.	1	666.75	666.75
41	Brick wall Boundary with grill gate as per TPSODL(3X3)Mtr.as per TPSODL	Mtr.	12	7300.12	87601.44
					505742.83

PART-III	LT LINE-0.120 Km(4x35+1x35+1x16) sq. mm AB Cable				
1	9 Mtr. Long 300 KG PSC Pole	No	4	4260.00	17040.00
2	L.T Stay set (Complete)	Set	4	738.40	2953.60
3	L.T Stay Insulator	No.	4	42.60	170.40
4	L.T Stay Clamp(1.4 K.g/Pair)	Pair	4	156.20	624.80
5	7/12 SWG Stay Wire	Kg	32	106.50	3408.00
6	4x35+1x35+1x16 sqmm AB Cable	Km	0.126	152364.41	19197.92
7	RCC Base Plate	No.	4	361.34	1445.36
8	Earthing device coil type(GI)	No	4	235.72	942.88
9	Pole clamp for eye Hook for AB cable	No	5	284.00	1420.00
10	Dead end clamp suitable for XLPE cable	No	4	92.30	369.19
11	Eye hook for AB Dead End cable	No.	5	85.20	426.02
12	Suspension clamp with I Hook for ABC	No.	1	482.80	482.80
13	Insulated piercing connector.Type-A-main 16 to 95 sq.mm to Tap-16 to 95 to 10 sq.mm	No	10	113.60	1136.02
14	Insulated piercing connector.Type-B-main 35 to 70 sq.mm to Tap-2.5 to 10 sq.mm	No	2	46.86	93.72
15	GI Nuts and Bolts of assorted size	Kg	3	110.76	332.28
16	Danger Board	No.	4	113.60	454.41
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	1.224	106.50	130.36
18	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	12	113.60	1363.20
19	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	4.896	106.50	521.42
20	No. 8 GI wire for earthing	Kg	1.05	106.50	111.83
21	Sundries(Zebra painting, Piercing connector, Insulation Tape and other accessories)	Ls	4	1000.00	4000.00
	Total Rs.				56,624.19
	A.Sub Total Rs.				56,624.19
B	Stock,storage and insurance (@3% on A)				1698.73
C	TOTAL RS.				58322.91
D	T&P @ 2% of C				1166.46
E	Contingency @ 3% of C				1749.69
F	Transportation @ 7.5% of C				4374.22
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				7587.41
H	TOTAL RS.				73200.69
22	Cement concrete for Stud/Stay Anchor Plate with (1:2:4),0.2 cum @6177.92	Nos.	4	1329.77	5319.08
23	Couping of poles in ratio 1:1:5:3, 0.1125 cum @6400	Nos.	4	748.00	2992.00

24	Concreting of PSC poles in ratio 1:1:5:3=0.375 cum @6400	Nos.	4	2493.92	9975.68
25	Survey of incremental / delta network and assets changes of LT network and updation in GESW database.	Km	0.126	9633.00	1213.76
					92701.21
PART-IV	Installation of 13 Mtr. Long WPB Pole for Ground Clearance.				
1	WPB GI Pole 160x152 mm (30.44 Kg/Mtr.)13 Mtr. Long	No.	2	40427.20	80854.40
2	Cut Point Channel GI(100x50x6)mm 1.5 Mtr. Long ,2 Nos.(@9.2 Kg/Mtr.)	Kg	55	106.50	5878.80
3	33 KV 'V' cross arm(10.2 Kg each)	No.	1	2556.00	2556.00
4	Back clamp for 33 KV V cross Arm	No.	1	213.00	213.00
5	33 KV F clamp GI	No	1	426.00	426.00
6	33 KV Pin insulator Polymer	No	6	681.60	4089.60
7	33 KV Disc insulator 90 KN (B&S) Polymer	No.	18	1633.00	29394.00
8	11 KV HW fitting (B&S)90 KN, 4 Bolt	No	18	710.00	12780.00
9	HT stay set (Complete)REC Construction standard	No.	2	1491.00	2982.00
10	HT stay Insulator, Type-C	No.	4	71.00	284.00
11	Stay clamp(1.9 Kg/Pair)	pair	2	177.50	355.00
12	7/10 SWG GI Stay wire, grade-2	Kg	24	106.50	2556.00
13	PG clamp for 100sq. mm AAAC	Nos.	6	823.60	4941.60
14	100 sq. mm AAAC	Km	0.309	78100.00	24132.90
15	33 KV Danger Plate	No.	2	113.60	227.20
16	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
17	50x50x6 mm GI Angle 1.5 ft long ,2 Nos. (approx. 2 Mtr. Per pole)for providing support for Anticlimbing device @ 4.5 Kg/Mtrr.	Kg	18	106.50	1917.00
18	Earthing Device coil type GI	No	2	235.72	471.44
19	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No.	1	1491.00	1491.00
20	GI Flat (25x6)mm@1.2 Kg/Mtr.	Kg	15	106.50	1597.50
21	GI Nuts and Bolts of assorted size	Kg	15	110.76	1661.40
22	Sundries	Ls	1	1000.00	1000.00
	A.Sub Total Rs.				180,490.44
B	Stock,storage and insurance (@3% on A)				5414.71
C	TOTAL RS.				185905.15
D	T&P @ 2% of C				3718.10
E	Contingency @ 3% of C				5577.15

F	Transportation @ 7.5% of C				13942.89
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				14426.00
H	TOTAL RS.				223569.30
23	Materials for earthing including masonry work for eathpit & cement plate cover with salt, charcoal etc.	No	2	1600.00	3200.00
24	Concreting of WPB poles in ratio 1:1:5:3=0.55 cum @6648.85	Nos.	2	3657.87	7315.74
25	Cement concrete for Stud/Stay Anchor Plate with (1:2:4),0.2 cum @66648.85	Nos.	2	1329.77	2659.54
26	Couping of poles in ratio 1:1:5:3, 0.1125 cum @66648.85	Nos.	2	748.00	1496.00
27	Dismantling of 9 Mtr. PSC Pole	No.	2	920.61	1841.22
28	Survey of incremental / delta network and assets changes of 11 KV network and updation in GESW database.	No.	1	9633.00	9633.00
					249714.80
	Sub Total Rs.				1,345,239.69
	Cess @ 1%				13,452.40
	Total Estimated Cost				1,358,692.08
	Total Estimated Cost in Figures				1,358,692.00
EXCESS	<input type="checkbox"/>	LESS	<input type="checkbox"/>	(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)