

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
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[Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 8-F TYPE QTRS. AT GUMMA FIRE STATION IN THE DIST. OF GAJAPATI.

BID REF NO.-15/PM/ELECT/OPHWC/2026-27

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-I	3 phase 3W 11 KV line with 55 sq. mm AAAC-0.04 Km				
1	WPB 160X152(30.44 Kg/Mtr.) with base plate 300x300x12	No	1	27,310.20	27,310.20
2	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1,198.80	1,198.80
3	Top F clamp	No.	1	355.20	355.20
4	GI Back clamp for 11 KV V Cross Arm	No.	1	118.40	118.40
5	Galvanisation of all Ms and RS materials	Kg	13.1	14.80	193.88
6	(100x50x6)mm GI Channel for straight cross Arm 1.45 Mtr. @ 9.2 Kg/Mtr.(4 Nos.)including top piece.	Kg	26.68	111.00	2,961.48
7	Disc insulator 45 KN (T&C) Polymer	No.	3	1,272.80	3,818.40
8	11 KV HW fitting (T&C)45 KN	No	3	192.40	577.20
9	11KV Pin Insulator polymer	No.	3	296.00	888.00
10	HT stay set (Complete)	No.	1	1,554.00	1,554.00
11	HT stay Insulator, Type-C	No.	1	74.00	74.00
12	Stay clamp(1.9 Kg/Pair)	pair	1	185.00	185.00
13	7/10 SWG GI Saty wire	Kg	10	111.00	1,110.00
14	Earthing coil type	No.	1	245.68	245.68
15	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.262	111.00	29.08
16	55 sq. mm AAAC	Km	0.12	44,400.00	5,487.84
17	PG clamp for 55 sq. mm AAAC	No.	3.00	710.40	2,131.20

18	Fish Plate 50x6 mm,2.36 Kg/Mtr.,each 0.280 mtr. Length	Kg	1.98	111.00	219.78
19	Danger Board	No	1	118.40	118.40
20	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	3	118.40	355.20
21	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.301	111.00	33.40
22	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	1.204	111.00	133.60
23	GI Nuts, Bolts of assorted size	Kg	3	115.44	346.32
24	Black Paint	Ltr.	0.5	325.60	162.80
25	Yellow colour paint for Background	Ltr.	1	212.77	212.77
26	Saundries(Al. Binding tape, Insulation tape etc.)	No.	1	500.00	500.00
	I. Total Rs.				50,320.63
PART-II	Installation of 100 KVA 11/0.4KV sub station - 1 No.				
27	WPB 160X152(30.44 Kg/Mtr.) with base plate 300x300x12	No	2	27,310.20	54,620.41
28	Top Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	111.00	5,718.72
29	Transformer mounting Channel 100x50x6mm channel 2.8 mtr long,4 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	111.00	5,718.72
30	AB switch &HG fuse mounting channel GI(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	76.16	111.00	8,453.76
31	Transformer belting (50x50x6)mm GI Angle, 2.8 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	31.5	111.00	3,496.50
32	Cantilever GI Channel for supporting HG Fuse 75x40x6mm. 1.0 mtr. Long 2 Nos. (6.8 kg./mtr.)	Kg	13.6	111.00	1,509.60
33	Cantilever GI Angle for supporting HG Fuse 50x50x6mm. 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg	13.5	111.00	1,498.50
34	GI Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)	Kg	7	111.00	777.00
35	AB switch side support channel 100x50x6 mm, 9.2 Kg/Mtr.,each channel length 0.35 Mtr.,2 Nos required	Kg.	6.44	111.00	714.84
36	GI Channel support for down pipe 75x40x6 mm, 6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. required.	K.g	5.44	111.00	603.84

37	11KV AB switch 3 pole(200 Amp, 50 Hz)	Set	1	10,878.00	10,878.00
38	11KV HG fuse 3 pole(200 Amp)	Set	1	9,057.60	9,057.60
39	11KV Disc insulatorT & C,45 KN	No.	3	1,272.80	3,818.40
40	11KV H.W Fittings T&C 45KN	No.	3	192.40	577.20
41	25x6 mm GI flat for earthing	Kg	60	111.00	6,660.00
42	25x4 mm GI flat for Neutral	Kg	10	111.00	1,110.00
43	11 KV LA(12 KV, 10 KA)	No.	3	5,254.00	15,762.00
44	Earthing coil type	No.	2	245.68	491.36
45	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	111.00	58.16
46	HT stay set (Complete)REC Construction standard	No.	4	1,554.00	6,216.00
47	HT stay Insulator, Type-C	No.	4	74.00	296.00
48	Stay clamp(1.9 Kg/Pair)	pair	4	185.00	740.00
49	7/10 SWG GI Saty wire, grade-2	Kg	40	111.00	4,440.00
50	55 sq. mm AAAC Conductor(for jumpering)	Km	0.05	44,400.00	2,220.00
51	1Cx150 sq. mm LT PVC Cable	Mtr.	40	310.80	12,432.00
52	LT Distribution box with MCCB, Aluminium Bus bar for single bay with Kitkat Fuse for 100 KVA S/S	No	1	36,140.12	36,140.12
53	100 KVA, 11/0.4 KV (AL) Transformer,BIS Energy Level-II	No	1	189,025.33	189,025.33
54	PG clamp for 55 sq. mm AAAC	Nos.	3	710.40	2,131.20
55	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1,554.00	10,878.00
56	Danger Board	No	2	118.40	236.80
57	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.602	111.00	66.80
58	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	118.40	710.40
59	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.41	111.00	267.51
60	GI Nuts, Bolts of assorted size	Kg	25	115.44	2,886.00
61	Black Paint	Ltr.	1	325.60	325.60
62	Yellow colour paint	Ltr.	2	212.77	425.54
63	Saundries(Al. Binding tape, Insulation tape etc.)	No.	1	1,000.00	1,000.00
	II. Total Rs.				401,961.91
PART-III	Construction of LT 3ph 6 W line using 4x50+1x50+1x16 sqmm XLPE AB Cable=0.165 Km				
64	8 Mtr. Long 200 KG PSC Pole	No	4	2,960.00	11,840.00

65	RCC Base Plate (500x500x10)mm for PSC Pole	Nos.	4	361.34	1,445.36
66	1.1 KV LT AB cable(4x50+1x50+1x16) sqmm	Km	0.17	206,220.34	35,676.12
67	L.T Stay set (Complete)	Set	3	769.60	2,308.80
68	L.T Stay Insulator	No.	3	44.40	133.20
69	L.T Stay clamp (1.40 K.g/Pair)	Pair	3	162.80	488.40
70	7/12 SWG Stay Wire ,Grade-2	Kg	12	111.00	1,332.00
71	Pole clamp for eye Hook for AB cable	No.	4	296.00	1,184.00
72	Eye Hook	No.	4	88.80	355.20
73	Dead end clamp with Eye Hook	No	4	96.20	384.80
74	Suspension clamp with Eye Hook	No	2	503.20	1,006.40
75	Cable 1.1 KV AI 4C x35 sq.mm. Armoured.	Mtr.	8	194.08	1,552.64
76	Cap Cable End for ABC 35 sq. mm	No	10	9.71	97.10
77	Dist Box LT Polycarbonate 10 Way	Ea	4	920.34	3,681.36
78	IPC Type-B main 16 to 150 sq.mm. & Tap-4 to 50 sq. mm.	Ea	4	61.31	245.24
79	IPC Type-B main 25 to 150 sq.mm. & Tap-25 to 150 sq. mm.	Ea	12	118.40	1,420.80
80	Buckles for steel strap	Ea	0.2	705.00	141.00
81	Steel Strap size 20mm x 50m Long	Rol	0.2	1,584.03	316.81
82	Earthing support coil type	No	4	245.68	982.72
83	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	1.048	111.00	116.33
84	Danger Board	No	4	118.40	473.60
85	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	1.204	111.00	133.64
86	GI Nut, Bolt & washer	Kg	2	115.44	230.88
87	Black paint	Ltr.	2	325.60	651.20
88	Yellow colour paint for Background	Ltr.	4	212.77	851.08
89	Saundries	No.	1	500.00	500.00
	III.Total Rs.				67,548.67
	A.Sub Total Rs.				519,831.22
B	Stock,storage and insurance (@3% on A)				15,594.94
C	TOTAL RS.				535,426.15
D	T&P @ 2% of C				10,708.52
E	Contigency @ 3% of C				16,062.78
F	Transportation @ 7.5% of C				40,156.96

G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				40,807.90
H	TOTAL RS.				643,162.32
90	Stay concreting in ratio C.C ,1:2:4 as per TPSODL Drawing and specification.	Nos.	8	1,329.77	10,638.17
91	Concreting of 11 Mtr. WPB Pole in ratio C:C 1:1:5:3=0.45 cum 11 Mtr. WPB Pole	Nos.	3	2,991.98	8,975.94
92	Concreting of 9 Mtr./ 8 Mtr. PSC Pole in ratio C:C 1:1:5:3=0.415 cum 8 Mtr. PSC Pole	Nos.	4	2,493.32	9,973.29
93	Couping of poles C.C 1:1:5:3,0.1125 cum @6400	Nos.	7	748.00	5,236.00
94	Material for earthing including masonry work for earth pit, salt, charcoal earthing chamber size(2'x2')RCC slab cover.	No	7	3,784.73	26,493.11
95	Brick wall Boundaring (size=3 Mtr.x3 Mtr.x1.5 Mtr.)with fixing of iron grill gate etc with sand & metal spreading.	Mtr.	12	7,300.08	87,600.96
96	Survey of incremental / delta network and assets changes of LT network and updation in GESW database.	Km	0.165	9,633.00	1,589.45
97	Survey of incremental / delta network and assets changes of 11 KV network and updation in GESW database.	Km	0.04	9,633.00	385.32
98	Survey and digitization of new DSS and its internals including attributes.	Job	1	6,883.00	6,883.00
	Sub Total Rs.				800,937.56
IV	Dismantling				
99	Dismantling of PSC Pole (9mtr)	No	6	950.00	5,700.00
100	Dismantling /Removal of MS Channel from Double pole structure/pole including loading, transportation unloading and staking of dismantled material at a proper place in safe position at site store. Transportation with adequate vehicle load/capacity shall be only paid seperately.	Kg	256.7	8.10	2,079.11
101	Dismantling of existing 11/0.4 kv 33/0.4 KV, Three phase Distribution Transformer 25 KVA including removal of HT/LT leads, earth connections and unloading by crane if required. Scope of work also including loading , transportation, unloading and staking at a proper place in safe position/site store.Transportation with adequate vehicle load/capacity shall be only paid seperately.	No	1	1,534.35	1,534.35

102	Dismantling of ACSR/AAAC 34/55mm ² from overhead line, recoiling, loading transportation unloading and staking of dismantled material at a proper place in safe position at site store. Transportation with adequate vehicle load/capacity shall be only paid separately.	Mtr.	120	7.00	840.00
103	Dismantling of various size of LT AB Cable from over head line , recoiling, loading, transportation unloading and staking of dismantled material at a proper place in safe position/BA site store. Transportation with adequate vehicle load/capacity shall be only paid separately.	Mtr.	20	23.01	460.20
					10,613.66
	Sub Total Rs.				811,551.21
	Cess @ 1%				8,115.51
	Total Estimated Cost				819,666.73
	Total Estimated Cost in Figures				819,667.00
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.)**