

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 :- 05 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 100 MEN BARRACK AT RESERVE OFFICE, PHULBANI IN THE DISTRICT OF KANDHAMAL.

BID REF NO - 49/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	3 phase 3W 11 KV line with 55 sq. mm AAAC -0.030 Km				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)including Base Plate	No	3	34,321.52	102,964.56
2	11 KV 'V' cross arm(10.2 Kg each)	No.	3	1,150.20	3,450.61
3	11 KV F clamp 2.9 Kg each	No	3	340.80	1,022.39
4	GI Back clamp for 11 KV V Cross Arm	No.	3	113.60	340.81
5	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 2 Nos. & 0.3 Mtr. 2 Nos. including tapping point.	Kg	27.6	106.50	2,939.40
6	Fish plate 50x8 mm (3.14 Kg/Mtr.)each 0.3 Mtr. Length	Kg	3.768	106.50	401.29
7	Disc insulator 45 KN (B&S) Polymer	No.	3	1,221.20	3,663.60
8	11 KV HW fitting (B&S) type 2 bolted	No	3	369.20	1,107.60
9	11KV Pin Insulator polymer	No.	9	284.00	2,556.00
10	55 sq. mm AAAC	Km	0.0927	42,600.00	3,949.02
11	PG clamp for 55 sq. mm AAAC	No.	3	681.60	2,044.80
12	HT stay set (Complete)	No.	1	1,491.00	1,491.00
13	HT stay Insulator, Type-C	No.	1	71.00	71.00
14	Stay clamp(1.9 Kg/Pair)	pair	1	177.50	177.50
15	7/10 SWG GI Saty wire	Kg	10	106.50	1,065.00
16	Earthing Device coil type GI	No	3	235.72	707.16
17	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.786	106.50	83.71
18	Danger Board	No	3	113.60	340.80
19	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.9027	106.50	96.14
20	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	9	113.60	1,022.40

21	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	3.611	106.50	384.57
22	No.6/8 GI wire	Kg	30	106.50	3,195.00
23	75x40x6 mm Channel st. cross arm @ 6.8 Kg/Mtr.(3.23 Mtr. Long 4 Nos. Channels) with Galvanisation for Road cross guarding	Kg	40.8	106.50	4,345.20
24	Eye Hook	Nos.	4	85.20	340.80
25	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	2	1,491.00	2,982.00
26	50x6 mm GI Flat for earthing, 2.36 Kg/Mtr.(2.5 Mtr. Mesh foundation and 2.5 Mtr. for raising)	Kg	23.6	106.50	2,513.40
27	GI Nuts & Bolts	Kg	10	110.76	1,107.60
28	Black paint	Ltr.	1.500	312.40	468.60
29	Yellow colour paint for Background	Ltr.	3.000	212.77	638.31
30	Sundries	No.	1	1,000.00	1,000.00
Total Rs.					146,470.27
PART-II	LINE DP WITH 400 A AB SWITCH-1 No.				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)including Base Plate	No	2	34,321.52	68,643.04
2	Top Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)	Kg.	51.52	106.50	5,486.88
3	Bracing Channel 75x40x6mm. 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	38.08	106.50	4,055.52
4	50x50x6mm Cross Bracing angle,4.0 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	36	106.50	3,834.00
5	A/B switch Mounting Channel 75x40x6mm. 2.8 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	38.08	106.50	4,055.52
6	Supporting Channel for AB switch Handle(75x40x6 mm)MS Channel,06 Mtr. Long,1 No.,6.8 Kg/Mtr.	Kg.	6.44	106.50	685.86
7	Channel support for down pipe 75x40x6 (75x40x6 mm),6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. Channel required	Kg.	5.44	106.50	579.36
8	Disc insulator 45 KN (B&S) Polymer	No.	6	1,221.20	7,327.20
9	11 KV HW fitting (B&S) type 2 bolted	No	6	369.20	2,215.20
10	11KV Pin Insulator polymer	No.	3	284.00	852.00
11	PG clamp for 55 sq. mm AAAC	No.	6	681.60	4,089.60
12	Fish plate, 50x8 mm, 0.97 Kg/mtr.,each 0.2820 mtr. Length	Kg	5.275	106.50	561.79
13	11KV AB switch(3 pole,400 Amp,50Hz)	Set	1	16,827.00	16,827.00
14	12 KV,9 KA LA	No.	3	1,420.00	4,260.00
15	HT stay set (Complete)	No.	4	1,491.00	5,964.00
16	HT stay Insulator, Type-C	No.	4	71.00	284.00
17	Stay clamp(1.9 Kg/Pair)	pair	4	177.50	710.00
18	7/10 SWG GI Saty wire	Kg	40	106.50	4,260.00
19	Earthing Device coil type GI	No	2	235.72	471.44
20	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	106.50	55.81
21	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	3	1,491.00	4,473.00

22	50x6 mm GI Flat for earthing, 2.36 Kg/Mtr.(2.5 Mtr. Mesh foundation and 2.5 Mtr. for raising)	Kg	35.4	106.50	3,770.10
23	Danger Board	No	2	113.60	227.20
24	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.6018	106.50	64.09
25	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
26	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.407	106.50	256.35
27	GI Nuts and Bolts of assorted size	Kg	10	110.76	1,107.63
28	Black paint	Ltr.	1	312.40	312.40
29	Yellow colour paint for Background	Ltr.	2	212.77	425.54
30	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1,500.00	1,500.00
					148,036.12
PART-III	Installation of 100 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x152)mm WPB Pole(30.44 Kg/mtr)including Base Plate	No	2	34,321.52	68,643.04
2	Earthing Device coil type GI	No	2	235.72	471.44
3	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	0.524	106.50	55.81
4	Top Pressure Channel 100x50x6mm channel each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	51.52	106.50	5,486.88
5	AB switch &HG fuse mounting channel(75x40x6)mm,each 2.8mtr long 4 No(6.8Kg/mtr)	K.g	76.16	106.50	8,111.04
6	Cantilever GI Channel for supporting AB switch Arm 75x40x6mm. 1 mtr. Long 2 Nos. (6.8kg./mtr.)	Kg.	13.6	106.50	1,448.40
7	Cantilever angle for supporting HG fuse 50x50x6mm 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	13.5	106.50	1,437.75
8	AB switch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.44	106.50	685.86
9	GI angle for mounting LT Distribution Box 50x50x6 mm Angle,1.0 Mtr. Long,2 Nos. 4.5 Kg/Mtr. .	K.g	9	106.50	958.50
10	Channel support for down pipe 75x40x6 mm GI channel(6.8kg/mtr,1 Nos.)each channel length 0.8 Mtr.	Kg	5.44	106.50	579.36
11	Disc insulator 45 KN (B&S) Polymer	No.	3	1,221.20	3,663.60
12	11 KV HW fitting (B&S) type 2 bolted	No	3	369.20	1,107.60
13	11KV AB switch(3 pole,200 Amp,50Hz)	Set	1	10,437.00	10,437.00
14	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	8,690.40	8,690.40

15	9KV 10KA LA, Station class	No.	3	1,260.00	3,780.00
16	HT stay set (Complete)	No.	4	1,491.00	5,964.00
17	HT stay Insulator, Type-C	No.	4	71.00	284.00
18	Stay clamp(1.9 Kg/Pair)	pair	4	177.50	710.00
19	7/10 SWG GI Saty wire	Kg	40	106.50	4,260.00
20	40 mm Nominal bore GI Pipe Medium gauge(3.25 mm thickness) earthing device 3 mtrs long	No	7	1,491.00	10,437.00
21	25x6 mm GI flat(Neutral)	Kg	10	106.50	1,065.00
22	25x4 mm GI flat(for LA)	Kg	60	106.50	6,390.00
23	55 sq. mm AAAC for jumpering	Km	0.05	42,600.00	2,130.00
24	PG clamp for 55 sq. mm AAAC	No	3	681.60	2,044.81
25	GI Nuts and Bolts of assorted size	Kg	20	110.76	2,215.25
26	100 KVA 11/0.4 KV (AL) Transformer with BIS Energy Level-II	No	1	166,140.00	166,140.00
27	LT Distribution box(GI) with 3 pole MCCB(I/C 100 Amp),Aluminium busbar 250 Amp with Kit Kat Fuse (O/G-6 Nos. of 100 Amp)for 100 KVA S/S,MCCB should have integrated protection for overload, short circuit & earth fault.The GI encloser thickness must be 3 mm thickness & IP 55 compiled.	No	1	32,714.41	32,714.41
28	1 core 120 sq. mm LT XLPE cable(un armoured)	Mtr.	40	249.92	9,996.95
29	Danger Board	No	2	113.60	227.20
30	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6018	106.50	64.09
31	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
32	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.407	106.50	256.35
33	Black paint	Ltr.	1	312.40	312.40
34	Yellow colour paint for Background	Ltr.	2	212.77	425.54
35	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1,000.00	1,000.00
					362,875.27
PART-IV	Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable=0.2 Km				
1	9 Mtr Long 300 KG PSC Pole	No	7	4,260.00	29,820.00
2	8 Mtr. Long 200 KG PSC Pole	No	1	2,840.00	2,840.00
3	Back clamp for stud pole	No	4	113.60	454.41
4	RCC Base plate for support	No	7	361.34	2,529.37
5	L.T Stay set (Complete)	Set	4	738.40	2,953.59
6	L.T Stay Insulator	No.	4	42.60	170.41
7	L.T Stay Clamp(1.4 K.g/Pair)	Pair	4	156.20	624.81
8	7/12 SWG Stay Wire	Kg	32	106.50	3,408.00
9	3x50+1x35+1x25 sqmm XLPE AB Cable	Mtr.	210	198.80	41,747.29
10	Pole clamp for eye Hook for AB cable	pair	10	284.00	2,840.00
11	Dead end clamp suitable for XLPE cable	No	8	177.50	1,420.00
12	Suspension clamp with I Hook	No.	2	482.80	965.59
13	Earthing device coil type	No	7	235.72	1,650.04

14	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	1.834	106.50	195.32
15	GI Nuts, Bolt and washer	Kg	3	110.76	332.29
16	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	21	113.60	2,385.64
17	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	8.425	106.50	897.26
18	Danger Board	No.	7	113.60	795.20
19	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. ,1No.	Kg	2.106	106.50	224.29
20	Black paint	Ltr.	3.5	312.40	1,093.39
21	Yellow colour paint for Background	Ltr.	7	212.77	1,489.40
22	Sundries	LS	1	1,000.00	1,000.00
					99,836.31
PART-V	SERVICE CONNECTION				
1	3.5Core 35 sq. mm LT PVC cable(un armoured)	Mtr.	30	215.84	6,475.17
2	No. 8 SWG GI wire	Kg	3	106.50	319.50
3	63 Amp Kit Kat Fuse	No.	3	107.92	323.77
4	GI service connection Bracket	No.	1	383.05	383.05
5	Sundries	Ls	1	100.00	100.00
	Total Rs.				7,601.49
	A.Sub Total Rs.				764,819.45
B	Stock,storage and insurance (@3% on A)				22,944.58
C	TOTAL RS.				787,764.03
D	T&P @ 2% of C				15,755.28
E	Contingency @ 3% of C				23,632.92
F	Transportation @ 7.5% of C				59,082.30
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				61,211.35
H	TOTAL RS.				947,445.89
1	Stay concreting in ratio 1:2:4(0.5x0.5x0.8)Mtr. as per TPSODL specification and drawing =0.2 cum	Nos.	14	1,329.77	18,616.80
2	Concreting of 11 Mtr. WPB Pole in ratio 1:1:5:3=0.45 cum+Couping in ratio 1:1:5:3=0.1125 Cum @6648.85	Nos.	7	3,739.98	26,179.88
3	Concreting of 8 Mtr./9 Mtr. PSC Pole in ratio 1:1:5:3(500x500x1500mm)=0.375 cum + Couping in ratio 1:1:5:3=0.1125 Cum @6648.85	Nos.	7	3,241.31	22,689.19
4	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	12	1,600.00	19,200.00
5	RCC Plinth for 100 KVA, 11/0.4KV DTR	No	1.00	32,181.60	32,181.60

6	Construction of Boundary wall for fencing of DPM S/S in the size 3x3 Mtr. @ 7300.12/RM (as per TPSODL Drawing & specification)	RM	12.00	7,300.12	87,601.42
7	Survey and digitization of new DSS and its internals including attributes.(GIS service)	No.	1	6,883.00	6,883.00
8	Survey of incremental / delta network and assets changes of 11 KV network and updation in GESW database.(GIS service)	Km	0.200	9,633.00	1,926.60
9	Survey of incremental / delta network and assets changes of LT network and updation in GESW database.(GIS service)	Km	0.02	9,633.00	192.66
10	Dismantling charges of 63 KVA Transformer	No.	1	3,255.27	3,255.27
				Total Rs.	218,726.43
	Total Rs.				1,166,172.32
	Cess @ 1%				11,661.72
	Total Estimated Cost				1,177,834.04
	Total Estimated Cost in Figures				1,177,834.00
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)