

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 :- 02 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 12-F TYPE QUARTERS AND EQUIPMENT HUB AT MALKANGIRI FIRE STATION IN THE DISTRICT OF MALKANGIRI.

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-0.02 Km				
1	11 Mtr Long (160x152)mm WPB GI Pole (30.44 Kg/mtr)with base plate 300x300x12	No	2	34,321.52	68,643.04
2	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 2 Nos, 9.56 Kg/Mtr.	Kg	22.94	106.50	2,443.11
3	Straight cross arm Top GI channel 100x50x6 mm , 0.306 Mtr. Each 2 Nos, 9.56 Kg/Mtr.	Kg	5.85	106.50	623.03
4	Fish Plate 50x8 mm, 0.97 Kg/Mtr.,each 0.280 mtr. Length	Kg	1.09	106.50	116.09
5	11 KV 'V' cross arm(10.2 Kg each)	No.	2	1,150.20	2,300.40
6	Back clamp for 11 KV V cross Arm	No.	2	113.60	227.20
7	11 KV F clamp 2.9 Kg each	No	2	340.80	681.60
8	Danger Board	No	2	113.60	227.20
9	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.6	106.50	63.90
10	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
11	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	2.41	106.50	256.67
12	11 Kv pin insulator Polymer	No	9	284.00	2,556.00
13	Earthing support coil type	No	2	235.72	471.44
14	GI Nuts and Bolts of assorted size	Kg	4	110.76	443.04
15	55 sq. mm AAAC	Km	0.0618	42,600.00	2,632.68
16	Disc insulator70 KN (B&S) Polymer	No.	3	1,633.00	4,899.00
17	11 KV HW fitting (B&S)70 KN, 3 Bolt	No	3	497.00	1,491.00
18	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.52	106.50	55.38
19	Black paint	Kg	1	312.40	312.40
20	Yellow colour paint	Ls	1	212.77	212.77
	Total Rs.				89,337.54

PART-II	11 KV ROAD CROSSING GUARDING-1 NO.				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel	Kg	42.84	106.50	4,562.46
2	Eye Hook(along with 2 Nuts, 1 flat and spring washer each)	Nos.	4	421.00	1,684.00
3	25x6mm GI Flat	Kg	20	106.50	2,130.00
4	GI Pipe earthing 40 mm dia 3 Mtr. Long	No.	2	1,491.00	2,982.00
5	No-8 GI wire (0.131 Kg/mtr.)for lacing	K.g	12	106.50	1,278.00
6	No-6 GI wire (0.192 Kg/Mtr.)for main string	K.g	10	106.50	1,065.00
7	GI Nuts and Bolts of assorted size	Kg	5	110.76	553.81
8	HT stay set complete	No.	2	1,491.00	2,982.00
9	11KV stay insulator Polymer	No.	2	71.00	142.00
10	7/10 SWG stay wire	Kg	20	106.50	2,130.00
11	HT stay clamp (1.9 Kg/Pair)	pair	2	177.50	355.00
	Total Rs.				19,864.27
PART-III	LT LINE-0.08 Km(4x50+1x50+1x16) sq. mm AB Cable				
1	9 Mtr. Long 300 KG PSC Pole	No	5	4,260.00	21,300.00
2	RCC Base plate for support	No	5	361.34	1,806.69
3	4x50+1x50+1x16 sqmm AB Cable	Km	0.08	206,220.34	16,992.56
4	Danger Board	No.	5	113.60	568.00
5	GI clamp for Danger Board GI Flat (25x3 @ 0.6 Kg/Mtr.)510 mm Length(0.306 Kg/piece)	Kg	1.5	106.50	159.75
6	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	15	113.60	1,704.00
7	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	6.02	106.50	641.13
8	Pole clamp for eye Hook for AB cable	Pair	5	284.00	1,420.00
9	Suspension clamp with I Hook for ABC	No.	2	482.80	965.60
10	Eye hook for AB Dead End cable	No.	3	85.20	255.61
11	Dead end clamp suitable for XLPE cable	No	3	92.30	276.89
12	L.T Stay set (Complete)	Set	5	738.40	3,692.00
13	L.T Stay Insulator	No.	5	42.60	213.00
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	156.20	781.00
15	7/12 SWG Stay Wire	Kg	40	106.50	4,260.00
16	Earthing device coil type(GI)	No	5	235.72	1,178.60
17	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.31	106.50	139.52
18	GI Nuts and Bolts of assorted size	Kg	4	110.76	443.04
	A.Sub Total Rs.				56,797.39
PART-IV	LT LINE-0.1 Km(4x35+1x35+1x16) sq. mm AB Cable				
1	9 Mtr. Long 300 KG PSC Pole	No	4	4,260.00	17,040.00
2	RCC Base plate for support	No	4	361.34	1,445.36

3	4x35+1x35+1x16 sqmm AB Cable	Km	0.10	152,364.41	15,693.53
4	Danger Board	No.	4	113.60	454.40
5	GI clamp for Danger Board GI Flat (25x3 @ 0.6 Kg/Mtr.)510 mm Length(0.306 Kg/piece)	Kg	1.2	106.50	127.80
6	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	12	113.60	1,363.20
7	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	4.81	106.50	512.27
8	Pole clamp for eye Hook for AB cable	Pair	4	284.00	1,136.00
9	Suspension clamp with I Hook for ABC	No.	2	482.80	965.60
10	Eye hook for AB Dead End cable	No.	3	85.20	255.61
11	Dead end clamp suitable for XLPE cable	No	3	92.30	276.89
12	L.T Stay set (Complete)	Set	5	738.40	3,692.00
13	L.T Stay Insulator	No.	5	42.60	213.00
14	L.T Stay Clamp(1.4 K.g/Pair)	Pair	5	156.20	781.00
15	7/12 SWG Stay Wire	Kg	40	106.50	4,260.00
16	Earthing device coil type(GI)	No	4	235.72	942.88
17	No. 8 GI wire(dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.05	106.50	111.83
18	GI Nuts and Bolts of assorted size	Kg	4	110.76	443.04
A.Sub Total Rs.					49,714.40
PART-V	Installation of 100 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x152)mm WPB GI Pole(30.44 Kg/mtr)	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	28.300	106.50	3,013.95
4	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	53.54	106.50	5,702.01
5	Transformer Base GI channel 100x50x5 mm-2.8 Mtr. Long,2 Nos.(9.56 Kg/mtr)	K.g	53.54	106.50	5,702.01
6	AB switch mounting GI channel(75x40x4.8)mm,each 2.8mtr long (7.14 Kg/mtr)	K.g	39.98	106.50	4,257.87
7	HG fuse mounting GI channel(75x40x4.8)mm,each 2.8mtr long (7.14 Kg/mtr)	K.g	39.98	106.50	4,257.87
8	Transformer Belting Angle(50x50x6)mm,each 2.8mtr long with side Angle @4.5 Kg/mtr	K.g	25.2	106.50	2,683.80
9	Transformer Bottom Fixing Angle(50x50x6)mm,each 0.310 Mtr. long @4.5 Kg/mtr	K.g	2.79	106.50	297.14
10	AB Switch operating Pipe GI Channel support 75x40x4.8 mm, Length 0.625 Mtr.@7.14 Kg/Mtr.	Kg.	4.46	106.50	474.99
11	AB Switch Bottom support GI Channel 75x40x4.8 mm, Length 0.330 Mtr.@7.14 Kg/Mtr.	Kg.	4.71	106.50	501.62
12	Support GI Channel for TPMO operating Rod 75x40x4.8 mm of Length 0.388 Mtr.@7.14 Kg/mtr.	Kg.	5.54	106.50	590.01
13	LT DB supporting GI channel 75x40x4.8 mm of Length 3.0 Mtr @7.14 Kg/mtr.	Kg	21.42	106.50	2,281.23
14	11 KV LA(9 KV, 10 KA)DH class	No.	3	1,420.00	4,260.00
15	11KV AB switch 3 pole(200 Amp, 50 Hz, Horizontal type)	Set	1	10,437.00	10,437.00

16	11KV HG fuse 3 pole(200 Amp, 3 pole, 50 Hz)with PI	Set	1	8,690.40	8,690.40
17	LT Distribution box with MCCB, Aluminium Bus bar for 2 bay with Kitkat Fuse for 100 KVA S/S	No	1	34,674.98	34,674.98
18	HT stay set (Complete)REC Construction standard	No.	2	1,491.00	2,982.00
19	HT stay Insulator, Type-C	No.	2	71.00	142.00
20	Stay clamp(1.9 Kg/Pair)	pair	2	177.50	355.00
21	7/10 SWG GI Stay wire, grade-2	Kg	20	106.50	2,130.00
22	95 sq. mm 1 core LT XLPE Cable(armoured)	Mtr.	45	208.74	9,393.18
23	Disc insulator70 KN (B&S) Polymer	No.	6	1,633.00	9,798.00
24	11 KV HW fitting (B&S)70 KN, 3 Bolt	No	6	497.00	2,982.00
25	GI Nuts, Bolts and washers of assorted size	Kg	20	110.76	2,215.20
26	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1,491.00	10,437.00
27	100 KVA, 11/0.4 KV (AL) Transformer with Tap changer BIS Energy Level-II	No	1	166,140.00	166,140.00
28	25x6 mm GI flat for earthing	Kg	45	106.50	4,792.50
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. For ech back clamp	Kg	2.407	106.50	256.35
	A.Sub Total Rs.				369,535.47
PART-VI	Shifting and ReInstallation of 25 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x152)mm WPB GI 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	28.300	106.50	3,013.95
4	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long,2 Nos(9.2K.g/mtr)	K.g	53.54	106.50	5,702.01
5	Transformer Base GI channel 100x50x5 mm-2.8 Mtr. Long,2 Nos.(9.56 Kg/mtr)	K.g	53.54	106.50	5,702.01
6	AB switch mounting GI channel(75x40x4.8)mm,each 2.8mtr long (7.14 Kg/mtr)	K.g	39.98	106.50	4,257.87
7	HG fuse mounting GI channel(75x40x4.8)mm,each 2.8mtr long (7.14 Kg/mtr)	K.g	39.98	106.50	4,257.87
8	Transformer Belting Angle(50x50x6)mm,each 2.8mtr long with side Angle @4.5 Kg/mtr	K.g	25.2	106.50	2,683.80
9	Transformer Bottom Fixing Angle(50x50x6)mm,each 0.310 Mtr. long @4.5 Kg/mtr	K.g	2.79	106.50	297.14
10	AB Switch operating Pipe GI Channel support 75x40x4.8 mm, Length 0.625 Mtr.@7.14 Kg/Mtr.	Kg.	4.46	106.50	474.99
11	AB Switch Bottom support GI Channel 75x40x4.8 mm, Length 0.330 Mtr.@7.14 Kg/Mtr.	Kg.	4.71	106.50	501.62

12	Support GI Channel for TPMO operating Rod 75x40x4.8 mm of Length 0.388 Mtr.@7.14 Kg/mtr.	Kg.	5.54	106.50	590.01
13	LT DB supporting GI channel 75x40x4.8 mm of Length 3.0 Mtr @7.14 Kg/mtr.	Kg	21.42	106.50	2,281.23
14	11 KV LA(9 KV, 10 KA)DH class	No.	3	1,420.00	4,260.00
15	11KV AB switch 3 pole(200 Amp, 50 Hz, Horizontal type)	Set	1	10,437.00	10,437.00
16	11KV HG fuse 3 pole(200 Amp, 3 pole, 50 Hz)with PI	Set	1	8,690.40	8,690.40
17	LT Distribution box with MCCB, Aluminium Bus bar for 1 bay with Kitkat Fuse for 25 KVA S/S	No	1	21,200.60	21,200.60
18	HT stay set (Complete)REC Construction standard	No.	2	1,491.00	2,982.00
19	HT stay Insulator, Type-C	No.	2	71.00	142.00
20	Stay clamp(1.9 Kg/Pair)	pair	2	177.50	355.00
21	7/10 SWG GI Stay wire, grade-2	Kg	20	106.50	2,130.00
22	70 sq. mm 1 core LT XLPE Cable(armoured)	Mtr.	45	105.08	4,728.43
23	Disc insulator70 KN (B&S) Polymer	No.	6	1,633.00	9,798.00
24	11 KV HW fitting (B&S)70 KN, 3 Bolt	No	6	497.00	2,982.00
25	GI Nuts, Bolts and washers of assorted size	Kg	20	110.76	2,215.20
26	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1,491.00	10,437.00
27	25x6 mm GI flat for earthing	Kg	45	106.50	4,792.50
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	0.6018	106.50	64.09
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
	Sub Total Rs.				185,256.34
	After Deducting salvage value @ 8% Total Rs.				170,435.84
	A.Sub Total Rs.				755,684.90
B	Stock,storage and insurance (@3% on A)				22,670.55
C	TOTAL RS.				778,355.45
D	T&P @ 2% of C				15,567.11
E	Contingency @ 3% of C				23,350.66
F	Transportation @ 7.5% of C				58,376.66
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				66,840.20
H	TOTAL RS.				942,490.08
32	Cement concrete for Stay Anchor Plate with (1:2:4),0.2 cum @6177.92	Nos.	16	1,329.77	21,276.32

33	Couping of poles in ratio 1:1:5:3, 0.1125 cum @6400	Nos.	15	748.00	11,220.00
34	Concreting of Poles in ratio 1:1:5:3=0.45 @6400	Nos.	6	2,991.98	17,951.90
35	Concreting of poles in ratio 1:1:5:3=0.45 @6400	Nos.	9	2,493.32	22,439.90
36	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	16	1,600.00	25,600.00
37	1) RCC Pillar of 6ft Long 2) Cooping of Pillar with C.C 1:3:6 using 40mm HBG metal size 3) GI barbed wire @ 6.044 mtr/kg 6 Nos run=40 ft x 6= 240 ft = 73.152 mtr =12.10 kg 4) MS grill gate 1.5 mtr (h) x 1.5 mtr (w) made of 35x35x6 mm MS angel and 25x6 mm flat (Angel for out side border with horizontal & vertical crossing for i) 35x35x6 mm MS Angel= 1.5 mtr x 4=6@3 Kg/mtr=18 Kg. ii) 25x6 mm flat=1.5 mtrx8x2=24 mtr @ 1.2 Kg/Mtr=28 Kg iii) Painting of gate with 2coat. 5) Filling sand@ 1.359 Cmt 6) 40mm size HBG metal @0.679 Cmt.	No	1	16,796.42	16,796.42
38	Brick Boundary wall	Mtr.	18	7,300.12	131,402.14
					246,686.67
39	Dismantling charges of 25 KVA S/S	No.	1	1,534.35	1,534.35
40	Dismantling charges of HT Pole	Nos.	3	920.61	2,761.83
41	Dismantling charges of HT Line	Mtr.	240	6.44	1,545.60
42	Dismantling charges of LT AB Cable	Mtr.	35	23.02	805.70
					6,647.48
	Sub Total Rs.				1,195,824.23
	Cess @ 1%				11,958.24
	Total Estimated Cost				1,207,782.47
	Total Estimated Cost in Figures				1,207,782.00
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)**