

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 AMA BUS STAND AT RAMANGUDA UNDER RAMANGUDA BLOCK IN THE DISTRICT OF RAYAGADA.

BID REF NO.-77/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 insulated covered conductor -0.02 Km				
1	11 KV 'V' cross arm(10.2 Kg each)	No.	1	1,150.20	1,150.20
2	Back clamp for 11 KV V cross Arm	No.	1	113.60	113.60
3	11 KV F clamp 2.9 Kg each	No	1	340.80	340.80
4	Top Bracket 100x50x6mm channel each 2 Kg each	No	2	213.00	426.00
5	Disc insulator 45 KN (T&C) Polymer	No.	3	1,221.20	3,663.60
6	11 KV HW fitting (T&C)45 KN, 2 Bolt	No	3	184.60	553.80
7	11 Kv pin insulator Polymer	No	6	284.00	1,704.00
8	HT stay set (Complete)	No.	1	1,491.00	1,491.00
9	HT stay Insulator, Type-C	No.	1	71.00	71.00
10	Stay clamp(1.9 Kg/Pair)	pair	1	177.50	177.50
11	7/10 SWG GI Stay wire, grade-2	Kg	10	106.50	1,065.00
12	Earthing Device coil type GI	No	1	235.72	235.72
13	GI Nuts and Bolts of assorted size	Kg	10	110.76	1,107.60
14	100x50x6 mm GI channel for straight cross arm,1.2 Mtr. Each 2 Nos, 9.56 Kg/Mtr.	Kg	22.08	106.50	2,351.52
15	13 Mtr Long (160x152)mm WPB GI Pole (30.44 Kg/mtr)with base plate 300x300x12 for stud pole	No	1	40,427.20	40,427.20
16	55 sq. mm Insulated covered conductor	Km	0.0618	99,740.00	6,163.93
17	PG clamp for 55 sq. mm AAAC	No	3	681.60	2,044.80
18	Fish Plate 50x8 mm ,0.97 Kg/Mtr., each 0.280 Mtr. Length	Kg	0.815	106.50	86.80
19	Galvanisation of RS & MS materials	Kg	17.10	14.20	242.82

20	Danger Board	No.	1.00	113.60	113.60
21	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	0.306	106.50	32.59
22	GI Barbed wire for anticlimbing device	Kg	3	113.60	340.80
23	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. Length 4 Nos.	Kg	1.224	106.50	130.36
24	Sundries(Pole Numbering, Zebra painting, Binding wire and other accessories)	Ls	1	600.00	600.00
	A.Sub Total Rs.				64,634.23
B	Stock,storage and insurance (@3% on A)				1,939.03
C	TOTAL RS.				66,573.26
D	T&P @ 2% of C				1,331.47
E	Contingency @ 3% of C				1,997.20
F	Transportation @ 7.5% of C				4,992.99
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				4,575.32
H	TOTAL RS.				79,470.24
25	Concreting of PSC poles in ratio 1:1:5:3=0.55 cum @6400	Nos.	1	3,656.87	3,656.87
26	Couping of poles in ratio 1:1:5:3, 0.1125 cum @6400	Nos.	1	748.00	748.00
27	Cement concrete for Stud/Stay Anchor Plate with (1:2:4),0.2 cum @6177.92	Nos.	1	1,329.77	1,329.77
28	Survey of incremental / delta network and assets changes of 11 KV network and updation in GESW database.	Km	0.02	9,633.00	192.66
					5,927.30
	Total Rs.				85,397.54
PART-III	Installation of 250 KVA 11/0.4KV sub station - 1 No.				
1	11 Mtr Long (160x152)WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	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	Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	106.50	5,486.88
5	AB switch &HG fuse mounting channel GI(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	76.16	106.50	8,111.04

6	GI Bracing channel for supporting DP arm,75x40x6mm channel 2.8 mtr long,4 Nos.6.8 K.g/mtr)	K.g	38.08	106.50	4,055.52
7	Bracing Angle GI(50x50x6)mm,4 mtr long 2 No(4.5 Kg/mtr)	K.g	31.5	106.50	3,354.75
8	Cantilever GI Channel for supporting HG Fuse 75X40x6mm. 1mtr. Long 2 Nos. (6.8kg./mtr.)	Kg	13.6	106.50	1,448.40
9	Cantilever GI Angle for supporting HG Fuse 50x50x6mm. 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg	13.5	106.50	1,437.75
10	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	9	106.50	958.50
11	AB switch side support channel 100x50x6 mm, 9.2 Kg/Mtr.,each channel length 0.35 Mtr.,2 Nos required	Kg.	6.44	106.50	685.86
12	Channel support for down pipe 75x40x6 mm, 6.8 Kg/Mtr., each channel length 0.8 Mtr., 1 No. required.	K.g	5.44	106.50	579.36
13	Fish plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 mtr. Length 6 Nos. required	K.g	3.9648	106.50	422.25
14	Disc insulator 45 KN (T&C) Polymer	No.	3	1,221.20	3,663.60
15	11 KV HW fitting (T&C)45 KN	No	3	369.20	1,107.60
16	11 KV AB switch(400 A, 16 KA/sec, 3 pole ,50 Hz) Polymer type(Horizontal Mount)	No	1	16,827.00	16,827.00
17	11 KV HG Fuse 3 Pole, 300 Amp	No	1	16,372.60	16,372.60
18	11 KV LA(9 KV, 10 KA)	No.	3	1,420.00	4,260.00
19	HT stay set (Complete)REC Construction standard	No.	4	1,491.00	5,964.00
20	HT stay Insulator, Type-C	No.	4	71.00	284.00
21	Stay clamp(1.9 Kg/Pair)	pair	4	177.50	710.00
22	7/10 SWG GI Saty wire, grade-2	Kg	40	106.50	4,260.00
23	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1,491.00	10,437.00
24	25x4 mm GI Flat for neutral	Kg	10	106.50	1,065.00
25	50x6 mm GI Flat for earthing	Kg	60	106.50	6,390.00
26	55 sq. mm AAAC	Km	0.05	42,600.00	2,130.00
27	PG clamp for 55 sq. mm AAAC	Nos.	3	681.60	2,044.80
28	GI Nut, Bolt & washer of assorted size	Kg	28	110.76	3,101.28
29	250 KVA, 11/0.4 KV (CU) Transformer with Tap changer BIS Energy Level-II	No	1	619,789.28	619,789.28

30	LT Distribution box(GI) with 3 pole MCCB, aluminium Bus bar 400 Amp for 3 bay with HRC Fuse (O/G-1- 200 Amp , O/G-2 200 A, O/G-3, 160A)for 250 KVA S/S,MCCB should have integrated protection for overload, short circuit & earth fault.The GI enclosure thickness must be 3 mm and IP 55 compiled.	No	1	65,265.63	65,265.63
31	300 sq. mm 1 core LT XLPE Cable	Mtr.	40	542.44	21,697.60
32	Danger Board	No	2	113.60	227.20
33	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
34	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	113.60	681.60
35	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.407	106.50	256.35
36	Sundries(Al. binding tape, insulating Tape etc.)	No.	1	3,000.00	3,000.00
	Total Rs.				885,309.22
B	Stock,storage and insurance (@3% on A)				26,559.28
C	TOTAL RS.				911,868.50
D	T&P @ 2% of C				18,237.37
E	Contingency @ 3% of C				27,356.06
F	Transportation @ 7.5% of C				68,390.14
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				55,732.58
H	TOTAL RS.				1,081,584.64
37	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1,600.00	11,200.00
38	Concreting of 11 Mtr. WPB Pole in ratio 1:1:5:3=0.45 cum +Couping of poles in ratio 1:1:5:3, 0.1125 cum @6648.85	Nos.	2	3,739.98	7,479.96
39	Cement concrete for Stud/Stay Anchor Plate with (1:2:4),0.2 cum @6177.92	Nos.	4	1,329.77	5,319.08
40	Survey and digitization of new DSS and its internals including attrubutes.	Job	1	9,633.00	9,633.00
41	Survey and digitization of new MCCB/LTDB and its internals including attributes.	No	1	9,633.00	9,633.00
42	Filling Sand @ Rs.431.60/cmt.for (8ftx12ftx2ft)=48 cft=1.359 cmt	Nos.	1	1,390.12	1,390.12
43	40 mm size HGB metal @981.36/Cmt for (8ftx12ftx4ft)=24 cft	Nos.	1	666.75	666.75
44	Plinth for 250 KVA DTR	Nos.	1	28,000.00	28,000.00

45	Contractor will supply all civil material , excavation, removal of malba,refilling including Manpower, machinery etc. as per standard drawing for Plinth for LT Distribution Box 6ft height(below GL 2 ft.x5ftx5ft.)	No.	1	6,000.00	6,000.00
46	Construction of Brick Boundary wall for fencing of DPM sub-station in size of 5x4 Mtr. @ 7300.12/RM	Mtr.	18	7,300.12	131,402.16
	Sub Total Rs.				1,292,308.71
PART-III	Construction of LT 3ph 5 W line using 4x95+1x95+1x16 sqmm XLPE AB Cable=0.12 Km				
1	8 Mtr. Long 200 KG PSC Pole	No	4	2,840.00	11,360.00
2	L.T Stay set (Complete)	Set	1	738.40	738.40
3	L.T Stay Insulator	No.	1	42.60	42.60
4	L.T Stay clamp (1.40 K.g/Pair)	Pair	1	156.20	156.20
5	7/12 SWG Stay Wire ,Grade-2	Kg	8	106.50	852.00
6	4x95+1x95+1x16 sqmm AB Cable	Km	0.13	370,016.95	46,622.14
7	RCC Base Plate for support	Nos.	4	361.34	1,445.36
8	Earthing support coil type	No	4	235.72	942.88
9	Pole clamp for eye Hook for AB cable	No.	5	284.00	1,420.00
10	Dead end clamp with eye hook	No	2	92.30	184.59
11	Suspension clamp with Eye Hook	No	3	482.80	1,448.40
12	Eye Hook for conductor Dead End Clamp	No	5	85.20	426.02
13	Insulated piercing connector.Type-A-main 16 to 95 sq.mm to Tap-16 to 95 sq.mm	No	10	113.60	1,136.02
14	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	2	46.86	93.71
15	GI Nut, Bolt & washer	Kg	10	110.76	1,107.60
16	Danger Board	No	4	113.60	454.40
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	1,363.20
19	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	4.896	106.50	521.42
20	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	1.048	106.50	111.61
21	Saundries(Zebra paint , clamp, connectors, Binding tape, Pole numbering etc.	Ls	4	400.00	1,600.00
	Total Rs.				72,156.90

	A.Sub Total Rs.				72,156.90
B	Stock,storage and insurance (@3% on A)				2,164.71
C	TOTAL RS.				74,321.61
D	T&P @ 2% of C				1,486.43
E	Contingency @ 3% of C				2,229.65
F	Transportation @ 7.5% of C				5,574.12
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				8,602.24
H	TOTAL RS.				92,214.05
26	Stay concreting in ratio 1:2:4(0.5x0.5x0.8)Mtr. as per TPSODL specification and drawing =0.2 cum	Nos.	1	1,329.77	1,329.77
27	Concreting of PSC Pole in ratio 1:1:5:3=0.375 cum	Nos.	4	2,493.32	9,973.28
28	Couping in ratio 1:1:5:3=0.11875 Cum	Nos.	4	748.00	2,992.00
					106,509.10
PART-IV	Construction of LT 3ph 5 W line using 4x35+1x35+1x16 sqmm XLPE AB Cable with 11 Mtr. WPB Pole for adequate clearance at entrance point and exit point.				
1	11 Mtr Long (160x152)WPB Pole(30.44 Kg/mtr)with base plate 300x300x12	No	4	34,321.52	137,286.08
2	L.T Stay set (Complete)	Set	2	738.40	1,476.80
3	L.T Stay Insulator	No.	2	42.60	85.20
4	L.T Stay clamp (1.40 K.g/Pair)	Pair	2	156.20	312.40
5	7/12 SWG Stay Wire ,Grade-2	Kg	16	106.50	1,704.00
6	4x35+1x35+1x16 sqmm AB Cable	Km	0.15	152,364.41	22,397.57
8	Earthing support coil type	No	4	235.72	942.88
9	Pole clamp for eye Hook for AB cable	No.	5	284.00	1,420.00
10	Dead end clamp with eye hook	No	2	92.30	184.59
11	Suspension clamp with Eye Hook	No	3	482.80	1,448.40
12	Eye Hook for conductor Dead End Clamp	No	5	85.20	426.02
13	Insulated piercing connector.Type-A-main 16 to 95 sq.mm to Tap-16 to 95 sq.mm	No	10	113.60	1,136.02
14	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	2	46.86	93.71
15	GI Nut, Bolt & washer	Kg	10	110.76	1,107.60
16	Danger Board	No	4	113.60	454.40

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	1,363.20
19	Back clamp for barbed wire anticlimbing device 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	4.896	106.50	521.42
20	No.8 GI wire dia 4.6 mm ,0.131 Kg/Mtr.-2 mtr. Each pole connecting pole with coil earthing.	Kg	1.048	106.50	111.61
21	Saundries(Zebra paint , clamp, connectors, Binding tape, Pole numbering etc.	Ls	4	400.00	1,600.00
	Total Rs.				174,202.26
	A.Sub Total Rs.				174,202.26
B	Stock,storage and insurance (@3% on A)				5,226.07
C	TOTAL RS.				179,428.33
D	T&P @ 2% of C				3,588.57
E	Contingency @ 3% of C				5,382.85
F	Transportation @ 7.5% of C				13,457.12
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				10,872.59
H	TOTAL RS.				212,729.46
26	Stay concreting in ratio 1:2:4(0.5x0.5x0.8)Mtr. as per TPSODL specification and drawing =0.2 cum	Nos.	2	1,329.77	2,659.54
27	Concreting of PSC Pole in ratio 1:1:5:3=0.375 cum	Nos.	4	2,991.98	11,967.92
28	Couping in ratio 1:1:5:3=0.11875 Cum	Nos.	4	748.00	2,992.00
9	Survey of incremental / delta network and assets changes of LT network and updation in GESW database.(GIS service)	Km	0.147	9,633.00	1,416.05
					231,764.97
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	Insulated piercing connector.Type-B-main 16 to 95 sq.mm to Tap-2.5 to 10 sq.mm	No	5	56.80	284.00
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	46.86	46.86
5	Kit Kat Fuse -200 Amp	No.	3	707.16	2,121.48

6	GI service connection Bracket	No.	1	383.40	383.40
7	Sundries	Ls	1	300.00	300.00
	Total Rs.				9,930.41
	A.Sub Total Rs.				9,930.41
B	Stock,storage and insurance (@3% on A)				297.91
C	TOTAL RS.				10,228.32
D	T&P @ 2% of C				204.57
E	Contingency @ 3% of C				306.85
F	Transportation @ 7.5% of C				767.12
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				1,022.83
H	TOTAL RS.				12,529.69
	Sub Total Rs.				1,728,510.01
	Cess @ 1%				17,285.10
	Total Estimated Cost				1,745,795.11
	Total Estimated Cost in Figures				1,745,795.00
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)