

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail :- pmelectricalophwc2025@gmail.com, Website: www.ophwc.com /www.ophwc.nic.in****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 8 NOS. "F" TYPE STAFF QUARTERS AND DISTRICT HEADQUARTERS FIRE STATION EQUIPMENT HUB AT NAWARANGPUR FIRE STATION IN THE DISTRICT OF NAWARANGPUR.****BID REF NO.- 34/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-A				
I	Erection of 3 Ph 3 W 11 KV Line with 80 sq. mm AAAC -0.01 Km				
1	9 Mtr. Long 300 KG PSC Pole	No	2	4,260.00	8,520.00
2	RCC Base Plate (500x500x10)mm for PSC Pole	No	2	408.00	816.00
3	Earthing Device coil type GI	No	2	235.72	471.44
4	11 KV 'V' cross arm(10.2 Kg each)	No.	2	1,150.20	2,300.40
5	GI Back clamp for 11 KV V Cross Arm	No.	2	113.60	227.20
6	Top F clamp	No.	2	340.80	681.60
7	Top Bracket 100x50x6 mm MS Channel(2 Kg each)	No.	2	213.00	426.00
8	No. 6 GI wire for earthing	Kg	0.524	110.68	58.00
9	11KV Pin Insulator polymer	No.	6	284.00	1,704.00
10	Disc insulator 45 KN (B&S) Polymer	No.	6	1,221.20	7,327.20
11	11 KV HW fitting (B&S)45 KN	No	6	184.60	1,107.60
12	80 sq. mm AAA Conductor	Km	0.03	61,060.00	1,886.75
13	PG Clamp for 80 sq. mm AAAC	Nos.	6	681.60	4,089.60
14	Straight cross Arm channel 100x50x6 mm ,9.2 Kg/Mtr.,each channel length of 1.2 Mtr. Of Bottom channel & 0.206 Mtr. Of Top Channel(2 Nos.)	Kg	51.74	106.50	5,510.31
15	Fish plate (50x8 mm flat ,0.97 Kg/Mtr. & 0.28 Mtr. Long for each	Kg	1.09	106.50	116.09
16	Danger Board	No	2	127.80	255.60
17	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
18	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	127.80	766.80
19	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.41	106.50	256.67
20	GI Nut, Bolt & washer of assorted size	Kg	5	110.76	553.80
21	Saundries(Paint, AI Binding Tape, wire insulating tape,clamp conector, jumpering materials, socket & other acessories etc.	No.	1	1,000.00	1,000.00
	A.Sub Total Rs.				38,139.14
B	Stock,storage and insurance (@3% on A)				1,144.17
C	TOTAL RS.				39,283.32
D	T&P @ 2% of C				785.67
E	Contingency @ 3% of C				1,178.50

F	Transportation @ 7.5% of C				2,946.25
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				4,794.19
H	TOTAL RS.				48,987.92
22	Cement Concreting in ratio 1:1:5:3(500x500x1800)mm=0.45 Cu Mtr.	Nos.	2	2,493.32	4,986.64
23	Couping ratio with Dimension (500x500x450)=0.1125 Cu Mtr.	Nos.	2	748.00	1,496.00
	Sub Total Rs.				55,470.56
II	Installation of 100 KVA 11/0.4KV sub station - 1 No.				
1	9 Mtr. Long 300 KG PSC Pole	No	2	4,260.00	8,520.00
2	RCC Base Plate (500x500x10)mm for PSC Pole	No	2	408.00	816.00
3	Top Pressure GI Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)	Kg	51.52	106.50	5,486.88
4	Transformer mounting GI Channel 100x50x6mm 2.8 mtr long,4 Nos.(9.2Kg/mtr)	Kg	51.52	106.50	5,486.88
5	Transformer belting 50x50x6 mm GI angle 50x50x6mm 3.5 mtr long,2 Nos.(4.5 Kg/mtr)	Kg	31.5	106.50	3,354.75
6	AB switch &HG fuse mounting channel GI(75x40x6)mm, 2.8 long 4 Nos(6.8Kg/mtr)	Kg	76.16	106.50	8,111.04
7	Cantilever GI Channel for supporting HG Fuse 75X40x6mm. 1mtr. Long 2 Nos. (6.8kg./mtr.)	Kg	13.6	106.50	1,448.40
8	Cantilever GI Angle for supporting HG Fuse 50x50x6mm. 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg	18	106.50	1,917.00
9	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	13.5	106.50	1,437.75
10	Channel for AB switch Handle GI(75x40x6)mm,1 Mtr. Long (6.8 Kg/Mtr.)	Kg	6.8	106.50	724.20
11	Disc insulator 45 KN (B&S) Polymer	No.	3	1,221.20	3,663.60
12	11 KV HW fitting (B&S)45 KN	No	3	184.60	553.80
13	11KV Pin Insulator polymer	No.	3	284.00	852.00
14	11KV AB switch 3 pole(400 Amp, 50 Hz)Polymer type Insulator	Set	1	16,827.00	16,827.00
15	11KV HG fuse 3 pole(400 Amp)	Set	1	16,372.60	16,372.60
16	11 KV LA(12 KV, 10 KA)	No.	3	1,420.00	4,260.00
17	PG clamp for 55 sq. mm AAAC	No.	6	681.60	4,089.60
18	LT Distribution box with MCCB, Aluminium Bus bar for 2 bay with Kitkat Fuse for100 KVA S/S	No	1	34,674.98	34,674.98
19	150 sq. mm 1 core LT PVC Cable(Un-Armoured)	Mtr.	28	298.20	8,349.60
20	100 KVA, 11/0.4 KV (AL) Transformer,BIS Energy Level-II	No	1	166,140.00	166,140.00
21	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1,491.00	10,437.00
22	25x6 mm GI flat for earthing	Kg	90	106.50	9,585.00
23	GI Nuts, Bolts of assorted size	Kg	25	110.76	2,769.00
24	Earthing Device coil type GI	No	2	235.72	471.44
25	No. 6 GI wire for earthing	Kg	0.524	110.68	58.00
26	Danger Board	No	2	127.80	255.60
27	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.612	106.50	65.18
28	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	127.80	766.80
29	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.41	106.50	256.67
30	Fish plate (50x8 mm flat ,0.97 Kg/Mtr. & 0.28 Mtr. Long for each	Kg	3.26	106.50	347.19
31	HT stay set (Complete)REC Construction standard	No.	2	1,491.00	2,982.00
32	HT stay Insulator, Type-C	No.	2	71.00	142.00

33	Stay clamp(1.9 Kg/Pair)	pair	2	177.50	355.00
34	7/10 SWG GI Saty wire, grade-2	Kg	20	106.50	2,130.00
35	Saundries(Paint, AI Binding Tape, wire insulating tape,clamp conector, jumpering materials, socket & other accessories etc	No.	1	3,500.00	3,500.00
	A.Sub Total Rs.				327,206.95
B	Stock,storage and insurance (@3% on A)				9,816.21
C	TOTAL RS.				337,023.16
D	T&P @ 2% of C				6,740.46
E	Contingency @ 3% of C				10,110.69
F	Transportation @ 7.5% of C				25,276.74
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				26,076.33
H	TOTAL RS.				405,227.38
36	Stay concreting in ratio C.C ,1:2:4	Nos.	2	1,329.77	2,659.54
37	Concreting of support C:C 1:1:5:3,0.45 cum @6400 for 11 Mtr. WPB Pole	Nos.	2	2,493.32	4,986.64
38	Couping with C.C 1:1:5:3,0.1125 cum @6400	Nos.	2	748.00	1,496.00
39	Material for earthing including masonary work for earth pit, salt, charcoal earthing chamber size(2'x2')RCC slab cover.	No	7	1,600.00	11,200.00
40	Construction of Brick wall Boundary for fencing, sand filling, spreading of Aggregate & also including fixing of MS Grill Gate.	Mtr.	12	7,300.12	87,601.44
					107,943.62
	Sub Total Rs.				513,171.00
III	Augmentation of Line from 3x35+1x16 sq. mm to 3x50+1x35+1x16 sq. mm with Intermediate pole-0.23 Km				
1	9 Mtr. Long 300 KG PSC Pole	No	2	4,260.00	8,520.00
2	Base Plate	No	2	408.00	816.00
3	3x50+1x35+1x16 sqmm AB Cable	Mtr.	230.00	198.80	45,724.00
4	Pole clamp for eye Hook for AB cable	No.	8	284.00	2,272.00
5	Suspension clamp with Eye Hook	No	3	482.80	1,448.40
6	Dead end clamp (Double clamp provision at cut point)	No	8	92.30	738.40
7	Eye Hook	No.	8	85.20	681.60
8	Piercing connector	No.	9	113.60	1,022.42
9	Neutral connector	No.	3	46.86	140.57
10	Earthing support coil type	No	2	235.72	471.44
11	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
12	L.T Stay set (Complete)	Set	6	738.40	4,430.40
13	L.T Stay Insulator	No.	6	42.60	255.60
14	L.T Stay clamp (1.40 K.g/Pair)	Pair	6	156.20	937.20
15	7/12 SWG Stay Wire ,Grade-2	Kg	48	106.50	5,112.00
16	Danger Board	No	2	127.80	255.60
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.536	106.50	57.08
18	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	127.80	766.80
19	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.41	106.50	256.67
20	GI Nuts, Bolts of assorted size	Kg	6	110.76	664.56
21	Saundries	No.	1	300.00	300.00
	A.Sub Total Rs.				74,926.54
B	Stock,storage and insurance (@3% on A)				2,247.80

C	TOTAL RS.				77,174.33
D	T&P @ 2% of C				1,543.49
E	Contingency @ 3% of C				2,315.23
F	Transportation @ 7.5% of C				5,788.08
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				8,594.99
H	TOTAL RS.				95,416.12
22	Stay concreting in ratio C.C ,1:2:4	Nos.	6	1,329.77	7,978.62
23	Concreting of Pole in ratio C:C 1:1:5:3, 9 Mtr. PSC Pole	Nos.	2	2,493.32	4,986.64
24	Couping of poles C.C 1:1:5:3,0.1125 cum @6400	Nos.	2	748.00	1,496.00
					14,461.26
	Sub Total Rs.				109,877.38
IV	Extension of LT Line using 3x50+1x35+1x16 sq. mm XLPE AB Cable using 8 Mtr. Long 200 KG PSC Pole-0.105Km				
1	8 Mtr. Long 200 KG PSC Pole	No	2	2,840.00	5,680.00
2	Base Plate	No	2	408.00	816.00
3	3x50+1x35+1x16 sqmm AB Cable	Mtr.	105.00	198.80	20,874.00
4	Pole clamp for eye Hook for AB cable	No.	4	284.00	1,136.00
5	Suspension clamp with Eye Hook	No	1	482.80	482.80
6	Dead end clamp (Double clamp provision at cut point)	No	4	92.30	369.20
7	Eye Hook	No.	4	85.20	340.80
8	Piercing connector	No.	9	113.60	1,022.42
9	Neutral connector	No.	3	46.86	140.57
10	Earthing support coil type	No	2	235.72	471.44
11	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
12	L.T Stay set (Complete)	Set	4	738.40	2,953.60
13	L.T Stay Insulator	No.	4	42.60	170.40
14	L.T Stay clamp (1.40 K.g/Pair)	Pair	4	156.20	624.80
15	7/12 SWG Stay Wire ,Grade-2	Kg	32	106.50	3,408.00
16	Danger Board	No	2	127.80	255.60
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.536	106.50	57.08
18	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	127.80	766.80
19	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr.	Kg	2.41	106.50	256.67
20	GI Nuts, Bolts of assorted size	Kg	6	110.76	664.56
21	Saundries	No.	1	300.00	300.00
	A.Sub Total Rs.				40,846.54
B	Stock,storage and insurance (@3% on A)				1,225.40
C	TOTAL RS.				42,071.93
D	T&P @ 2% of C				841.44
E	Contingency @ 3% of C				1,262.16
F	Transportation @ 7.5% of C				3,155.40
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				4,792.23
H	TOTAL RS.				52,123.16
22	Stay concreting in ratio C.C ,1:2:4	Nos.	4	1,329.77	5,319.08
23	Concreting of Pole in ratio C:C 1:1:5:3, 9 Mtr. PSC Pole	Nos.	2	2,493.32	4,986.64
24	Couping of poles C.C 1:1:5:3,0.1125 cum @6400	Nos.	2	748.00	1,496.00

					11,801.72
	Sub Total Rs.				63,924.88
	Dismantling Charges of old materials & Shifting charges				
1	Dismantling charges of existing HT Poles	Nos.	4	920.61	3,682.44
2	Dismantling and shifting of DT	Nos.	1	1,841.22	1,841.22
3	Dismantling & shifting of AB switch	Nos.	1	1,200.00	1,200.00
4	Dismantling & shifting of HG Fuse	Nos.	1	1,200.00	1,200.00
5	Dismantling & shifting of LA	Nos.	1	162.12	162.12
6	Dismantling & shifting of steel structure	Kg	200	5.69	1,138.00
7	Dismantling charges of existing LT line	Span	6	400.00	2,400.00
					11,623.78
	SERVICE CONNECTION CHARGES				
1	LT 3.5 core 95 sq. mm PVC cable	Mtr	30	472.86	14,185.80
2	No.8 swg GI wire	Kg	3	106.50	319.50
3	200 A Kit Kat Fuse	No.	3	647.40	1,942.20
4	40 mm GI S/C Bracket	No.	2	351.00	702.00
5	Saundries	Ls	1	500.00	500.00
				A.Sub Total Rs.	17,649.50
B	Stock,storage and insurance (@3% on A)				529.49
C	TOTAL RS.				18,178.99
D	T&P @ 2% of C				363.58
E	Contingency @ 3% of C				545.37
F	Transportation @ 7.5% of C				1,363.42
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				1,817.90
H	TOTAL RS.				22,269.26
	Sub Total Rs.				776,336.85
	Cess @ 1%				7,763.37
	Total Estimated Cost				784,100.22
	Total Estimated Cost in Figures				784,100.00
EXCESS	☐ LESS ☐ (Please Tick)	_____ %			
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)**