

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****PRICE BID FOR THE WORK UNDER SL. NO :- 02 AS PER IFB****NAME OF THE WORK :- SHIFTING AND RECONSTRUCTION OF 33 K.V LINE AT THE SITE OF CONSTRUCTION OF 8-F TYPE QUARTERS AT PATTAMUNDAI FIRE STATION IN THE DISTRICT OF KENDRAPADA.****BID REF NO :- 08/PM/ELECT/OPHWC/2026-27****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.
I	CONSTRUCTION OF 33 KV LINE OF LENGTH 1.2 KM .				
A	33 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB (GI) Pole 160x152 (13Mtr. Long, 30.44KG/Mtr.)	No.	2	43,287.99	86,575.98
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	130.02	106.50	13,846.70
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	21.15	106.50	2,252.01
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	23.40	106.50	2,492.40
5	Danger Plate, 1 no's.	No.	2	113.60	227.20
6	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	KG	0.60	106.50	64.09
7	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	6	113.60	681.60
8	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	KG	2.41	106.50	256.37
9	33KV pin insulator polymer	Set	8	681.60	5,452.80
10	H W fitting(B&S) 90KN,4 Bolt	No.	12	710.00	8,520.00
11	Disc insulator (B&S) 90 KN polymer	No.	12	1,633.00	19,596.00
12	Non metallic Ties for 33KV (for covered conductor)	No	8	331.00	2,648.00
13	IPC for 100 sq. mm AAA conductor	No	12	900.00	10,800.00

15	Earthing of Support (Coil Type)	EA	2	235.72	471.44
16	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	0.52	106.50	55.81
17	H.T. Stay clamp, 50x8 mm. flat, 3.14Kg/Mtr., 0.511 Mtr. Length, 2 no's qty. required (1 Pair)	No	2	177.50	355.00
18	H.T. Stay set (Complete)	Pair	2	1,491.00	2,982.00
19	H.T. Stay Insulator Type-C (2 No's.)	Set	2	71.00	142.00
20	7/8 SWG Stay Wire 15kg /stay	No.	30	106.50	3,195.00
21	GI Nut , Bolt & Washer of different sizes (12.261 Kg each DP without Isolator)	Kg	22.62	110.76	2,505.39
22	Black Paint	Ltr.	2	312.40	624.80
23	Yellow Colour Paint for Background	Ltr.	4	216.00	864.00
A	A. Sub total				164,608.58
B	B. Stock, Storage & Insurance @ 3% of A				4,938.26
C	Sub Total (C=A+B)				169,546.84
D	T&P @ 2% of C				3,253.45
E	Contingency @ 3% of C				5,086.41
F	Transportation @ 7.5% of C				12,716.01
G	Erection Charges @ 5% on poles				4,458.66
H	Erection Charges @ 10%				7,349.94
I	Total				202,411.31
24	Fixing of 33KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts, including excvaton, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	EA	2	2,301.53	4,603.06
25	Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr	Cu.mtr	1.1	6,648.85	7,313.74
26	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	0.225	6,648.85	1,495.99
	Total Material + Services Cost				215,824.10
B	33 KV PIN POINT				
1	WPB (GI) Pole 160x152 (13Mtr. Long, 30.44KG/Mtr.)	No.	3	43,287.99	129,863.97
2	33 KV V cross Arm (GI) 22Kg each	No.	3	2,556.00	7,668.00
3	Top bracket 100x50x6mm GI channel (2kg each)	kG	3	213.00	639.00
4	Danger Plate, 1 no's.	No.	3	113.60	340.80
5	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	KG	0.9	106.50	95.85
6	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	9	113.60	1,022.40
7	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	KG	3.61	106.50	384.47

8	33KV pin insulator polymer	No.	9	681.60	6,134.40
9	Non metallic Ties for 33KV (for covered conductor)	No	9	331.00	2,979.00
10	Earthing of Support (Coil Type)	No.	3	235.72	707.16
11	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	K.g.	0.79	106.50	84.14
12	GI Nut , Bolt & Washer of different sizes (1.45 Kg/ Pin Point)	K.g.	4.35	110.76	481.81
14	100 sq.mm AAA conductor(XLPE COVERED)	Mtr.	865.2	155.83	134,824.12
16	Black Paint	Ltr	3	312.40	937.20
17	Yellow Colour Paint for Background	Ltr	6	216.00	1,296.00
A	A. Sub total				287,458.30
B	B. Stock, Storage & Insurance @ 3% of A				8,623.75
C	Sub Total (C=A+B)				296,082.05
D	T&P @ 2% of C				5,921.64
E	Contingency @ 3% of C				8,882.46
F	Transportation @ 7.5% of C				22,206.15
G	Erection Charges @ 5% on poles				6,688.00
H	Erection Charges @ 10%				16,232.21
I	Total				356,012.52
18	Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr	Cu.mtr	1.65	6,648.85	10,970.60
19	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	0.3375	6,648.85	2,243.99
	Total Material + Services Cost				369,227.11
C	33 KV CUT POINT WITH 180 DEGREE ANGLE				
1	14 Mtr. Long H Pole (GI)	No.	2	83,354.36	166,708.72
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	65.008	106.50	6,923.35
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.5728	106.50	1,126.00
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	11.70144	106.50	1,246.20
5	Danger Plate, 1 no's.	No.	2	113.60	227.20
6	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	KG	0.6018	106.50	64.09
7	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	6	113.60	681.60
8	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	KG	2.4072	106.50	256.37
9	33KV pin insulator polymer	Set	6	681.60	4,089.60

10	Non metallic Ties for 33KV (for covered conductor)	No	6	331.00	1,986.00
11	IPC for 100 sq. mm AAA conductor	No	12	900.00	10,800.00
12	H W fitting(B&S) 90KN,4 Bolt	No.	12	710.00	8,520.00
13	Disc insulator (B&S) 90 KN polymer	No.	12	1,633.00	19,596.00
14	Earthing of Support (Coil Type)	EA	2	235.72	471.44
15	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	0.524	106.50	55.81
16	GI Nut , Bolt & Washer of different sizes (12.261 Kg each DP without Isolator)	Kg	9.758	110.76	1,080.80
17	Black Paint	Ltr.	2	312.40	624.80
18	Yellow Colour Paint for Background	Ltr.	4	216.00	864.00
A	A. Sub total				225,321.98
B	B. Stock, Storage & Insurance @ 3% of A				6,759.66
C	Sub Total (C=A+B)				232,081.64
D	T&P @ 2% of C				4,641.64
E	Contingency @ 3% of C				6,962.45
F	Transportation @ 7.5% of C				17,406.12
G	Erection Charges @ 5% on poles				8,585.50
H	Erection Charges @ 10%				6,037.17
I	Total				275,714.52
19	Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr	Cu.mtr	1.16	6,648.85	7,712.67
20	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	0.225	6,648.85	1,495.99
	Total Material + Services Cost				284,923.18
	Dismantling Charges				
1	Dismantling Charges of 11/13 Mtr. Joist/WPB Pole	No.	4	1,380.92	5,523.68
2	Dismantling Charges of ACSR/AAAC of 80/100 sq. mm	Mtr.	690	9.21	6,354.90
3	Dismantling Charges of 33 KV V cross Arm	No.	4	28.95	115.80
4	Dismantling Charges of 33 KV Pin Insulator with F Bracket	No.	12	13.51	162.12
5	Dismantling Charges of 33 KV Disc Insulator with Hardware	No.	3	20.07	60.21
	Total Rs.				12,216.71
II	11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING.				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =(4x7.14x1.2)	Kg	71.4	106.50	7,604.10
2	No-6 GI wire (0.192 Kg/Mtr.)for main string	Kg	26.88	106.50	2,862.72

3	No-8 GI wire (0.131 Kg/mtr.)for lacing	Kg	5.73	106.50	610.38
4	Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.)	No	4	193.12	772.48
5	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1,491.00	2,982.00
6	50x6mm GI Flat for earthing, 2.36kg/mtr.	Kg	59.944	106.50	6,384.04
A	TOTAL MATERIAL COST				21,215.71
B	Stock, Storage & Insurance @ 3% of A				636.47
C	Sub Total (C=A+B)				21,852.19
D	Contingency @3% of C				655.57
E	T & P 2% of C				375.62
F	Transportation @ 7.5% of C				1,638.91
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				1,878.08
J	Sub Total Rs.				26,400.37
7	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	2	3,784.73	7,569.46
	Total Rs.				33,969.83
	Sub Total Rs.				916,160.92
	Cess @ 1%				9,161.61
	Total Estimated Cost				925,322.53
	Total Estimated Cost in Figures				925,323.00
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)**