

**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 :- 01 AS PER IFB**

**NAME OF THE WORK :- SHIFTING / DIVERSION OF EXISTING SUB-STATION, H.T & L.T LINE FROM CONSTRUCTION SITE OF AMA BUS STAND (ABS) AT PURUSHOTTAMPUR IN THE DISTRICT OF GANJAM.**

**BID REF NO.- 03/PM/ELECT/OPHWC/2024-25**

**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.
<b>PART-I</b>	<b>Shifting and Reinstallation of 500 KVA 11/0.4KV sub station - 1 No.</b>				
1	13 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)for Support	No	2	40427.20	80854.40
2	Earthing coil for support	No	2	215.80	431.60
3	Danger board	No	2	104.00	208.00
4	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.2	97.50	117.00
5	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
6	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.41	97.50	234.98
7	Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
8	Bracing Channel 75x40x6mm channel 2.8 mtr long,4 Nos.(9.2K.g/mtr)with Galvanisation	K.g	76.16	97.50	7425.60
9	AB switch &HG fuse mounting channel GI(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	76.16	97.50	7425.60
10	Cantilever Channel for supporting HG Fuse 75x40x6mm. MS Angle 1 mtr. Long 2 Nos. (6.8kg./mtr.)with Galvanisation	Kg.	13.6	97.50	1326.00
11	Cantilever angle for supporting HG Fuse 50x50x6mm MS Angle 1.5 mtr. Long 2 Nos. (4.5 kg./mtr.)with Galvanisation	Kg.	9	97.50	877.50

12	Angel for cantilever arrangement for AB switch and HG Fuse 50x50x6mm 2 Mtr. Long each ,2 Nos.(4.5Kg./mtr)	Kg.	18	97.50	1755.00
13	GI Belting 50x50x6 mm ,angle 3.5 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg.	31.5	97.50	3071.25
14	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	7	97.50	682.50
15	11KV Disc insulatorT & C,45 KN Polymer	No.	3	1118.00	3354.00
16	11KV H.W Fittings T&C 45KN	No.	3	169.00	507.00
17	Fish Plate(50x8)mm,Each 0.28 Mtr. ,0.97 Kg/Mtr.	Kg	2.64	97.50	257.40
18	11KV AB switch 3 pole(400 Amp, 50 Hz)	Set	1	15405.00	15405.00
19	11KV HG fuse 3 pole(400 Amp)	Set	1	14989.00	14989.00
20	11 KV LA(9 KV, 5 KA)	No.	3	1274.00	3822.00
21	HT stay set (Complete)REC Construction standard	No.	4	1365.00	5460.00
22	HT stay Insulator, Type-C	No.	4	65.00	260.00
23	Stay clamp(1.9 Kg/Pair)	pair	4	162.50	650.00
24	7/10 SWG GI Saty wire, grade-2	Kg	40	97.50	3900.00
25	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long for earthing device	No	7	1365.00	9555.00
26	25x4 mm GI flat for earthing	Kg	84	97.50	8190.00
27	LT Distribution box with MCCB, Aluminium Bus bar for six bay with Kitkat Fuse for 500 KVA S/S	No	1	126568.00	126568.00
28	300 sq. mm 1 core LT XLPE Cable(Armoured)	Mtr.	96	496.60	47673.60
29	GI Nuts, Bolts and washers of assorted size	Kg	25	101.40	2535.00
30	Sundries (Paint,wire,Insulating Tape,Jumpering material, socket & other accessories etc.	LS	1	2000.00	2000.00
A.Sub Total Rs.					<b>355182.63</b>
<b>PART-II</b>	<b>3 phase 3W 11 KV line with 1 C 99 sq. mm XLPE covered AAAC-0.14 Km(5 spans)</b>				
1	13 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)for Support	No	2	40427.20	80854.40
2	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)for stud	No	1	34321.52	34321.52
3	Clamp for stud Pole	No	1	260.00	260.00
4	Earthing support coil type	No	3	215.80	647.40
5	Danger Board	No	3	104.00	312.00
6	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	1.81	97.50	176.48
7	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	9	104.00	936.00
8	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	3.6	97.50	351.00
9	100x50x6 mm channel for straight cross arm,1.2 Mtr.,9.2 Kg/Mtr.(10 Nos.)with galvanisation	Kg	110.4	97.50	10764.00
10	11 KV GI 'V' cross arm(10.2 Kg each)	No.	1	1053.00	1053.00
11	11 KV F clamp 2.9 Kg each	No	1	312.00	312.00

12	GI Back clamp for 11 KV V Cross Arm	No.	1	104.00	104.00
13	Top Bracket (100x50x6) mm MS Channel ,2 Kg each	No	6	195.00	1170.00
14	Fish Plate(50x8)mm,Each 0.28 Mtr. ,0.97 Kg/Mtr.	Kg	15.83	97.50	1543.43
15	11 KV Pin insulator Polymer	No	12	260.00	3120.00
16	Disc insulator 45 KN (T&C) Polymer	No.	18	1118.00	20124.00
17	11 KV HW fitting (T&C)45 KN	No	18	169.00	3042.00
18	75x40x6 mm GI channel 3 Mtr. Long 4 Nos. @6.8 Kg/Mtr. For providing support for 2 Nos. Road crossing guarding	Kg	163.2	97.50	15912.00
19	Eye Hook for Guarding	No	8	78.00	624.00
20	No.6 GI wire for Road crossing guarding	Kg	60	97.50	5850.00
21	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	4	1365.00	5460.00
22	25x6 mm GI flat @1.2 Kg/Mtr. For guarding earthing	Kg	60	97.50	5850.00
23	HT stay set (Complete)	No.	6	1365.00	8190.00
24	HT stay Insulator, Type-C	No.	6	65.00	390.00
25	HT Stay clamp(1.9 Kg/Pair)	pair	6	162.50	975.00
26	7/8 SWG GI Saty wire, grade-2	Kg	72	97.50	7020.00
27	1Cx99 sq. mm 11 KV XLPE covered AAAC	Km	0.441	225000.00	99225.00
28	Tension fitting for 11 KV covered Conductor,99 sq. mm	No	18	890.00	16020.00
29	11 KV midspan jointing kit for covered conductor,99 sq. mm	No	3	1600.00	4800.00
30	Outdoor termination kit for covered conductor , 99 sq. mm	No	18	970.00	17460.00
31	Dead end clamp 11 KV	No	18	890.00	16020.00
32	Non metallic ties 11 KV(For covered conductor)	No	12	251.00	3012.00
33	IPC for 99 sq. mm AAAC	No.	18	371.00	6678.00
34	GI Nut, Bolt & washer of assorted size	Kg	15	101.40	1521.00
35	Saundries(Binding wire, Insulating Tape, Pole numbering etc.	No.	1	2000.00	2000.00
					376098.22
<b>PART-III</b>	<b>3 phase 3W 11 KV line DP WITH AB Switch-1 NO.</b>				
1	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)for Support	No	2	34321.52	68643.04
2	Earthing support coil type	No	2	215.80	431.60
3	Danger Board	No	2	104.00	208.00
4	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	1.2	97.50	117.00
5	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
6	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For each back clamp	Kg	2.41	97.50	234.98
7	Pressure Channel 100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20

8	AB switch mounting channel GI(100x50x6)mm,2.8mtr long 2 Nos(9.2 Kg/mtr)	K.g	51.52	97.50	5023.20
9	DP Bracing Channel GI 100x50x6mm channel 2.8 mtr long,4 Nos.(6.8 K.g/mtr)	K.g	76.16	97.50	7425.60
10	50x50x6 mm. GI Bracing Angle,4 Mtr. Long 2 Nos. (4.5 kg./mtr.)	Kg.	36	97.50	3510.00
11	Operating Rod, Handle supporting Channel(75x40x6)mm ,6.8 Kg/Mtr., each channel Length 0.5 Mtr., 2 Nos. channel	Kg.	6.8	97.50	663.00
12	Disc insulator 45 KN (T&C) Polymer	No.	6	1118.00	6708.00
13	11 KV HW fitting (T&C)45 KN	No	6	169.00	1014.00
14	Fish Plate(50x8)mm,Each 0.28 Mtr. ,0.97 Kg/Mtr.	Kg	5.28	97.50	514.80
15	11KV AB switch 3 pole(400 Amp,50 Hz)	Set	1	15405.00	15405.00
16	HT stay set (Complete)REC Construction standard	No.	4	1365.00	5460.00
17	HT stay Insulator, Type-C	No.	4	65.00	260.00
18	Stay clamp(1.9 Kg/Pair)	pair	4	162.50	650.00
19	7/10 SWG GI Saty wire, grade-2	Kg	40	97.50	3900.00
20	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	2	1365.00	2730.00
21	25x4 mm GI flat for earthing	Kg	24	97.50	2340.00
22	GI Nut, Bolt & washer	Kg	15	101.40	1521.00
23	Saunders(Faint, wire, insulating Tape, jumpering material, socket & other accessories etc	No.	1	2000.00	2000.00
					134406.42
<b>PART-IV</b>	<b>Construction of LT 3ph 6 W line using 4x95+1x95+1x16 sqmm XLPE AB Cable=0.21 Km(4 Span)</b>				
1	13 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)for Support	No	2	40427.20	80854.40
2	11 Mtr Long (160x160)mm WPB Pole(30.44 Kg/mtr)for stud	No	1	34321.52	34321.52
3	Clamp for stud Pole	No	1	260.00	260.00
4	Earthing support coil type	No	3	215.80	647.40
5	Danger Board	No	3	104.00	312.00
6	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.81	97.50	176.48
7	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	9	104.00	936.00
8	Back clamp for ACD (25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	3.6	97.50	351.00
9	75x40x6 mm GI channel 3 Mtr. Long 4 Nos. @6.8 Kg/Mtr. For providing support for guarding	Kg	81.6	97.50	7956.00
10	Eye Hook for Guarding	No	4	78.00	312.00
11	No.6 GI wire for Road crossing guarding	Kg	30	97.50	2925.00
12	GI pipe earthing 40 mm dia medium gauge,3 Mtr. Long	No	2	1365.00	2730.00
13	25x6 mm GI flat @1.2 Kg/Mtr. For guarding earthing	Kg	24	97.50	2340.00

14	L.T Stay set (Complete )	Set	6	676.00	4056.00
15	L.T Stay Insulator	No.	6	39.00	234.00
16	L.T Stay Clamp(1.4 K.g/Pair)	Pair	6	143.00	858.00
17	7/12 SWG Stay Wire	Kg	48	97.50	4680.00
18	4x95+1x95+1x16 sqmm XLPE AB Cable	Km	0.22	376000.00	82908.00
19	Pole clamp for eye Hook for AB cable	pair	16	260.00	4160.00
20	Dead end clamp for Bare messenger of ABC	No	16	84.50	1352.00
21	Eye Hook for Dead end Clamp	No.	16	78.00	1248.00
22	Insulated piercing connector.Type-B-main 16 to 95 sq.mm to Tap-16 to 95 to 10 sq.mm	No	24	104.00	2496.00
23	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	6	42.90	257.40
24	GI Nut, Bolt & washer	Kg	5	101.40	507.00
25	Saundries(Al. Binding tape, Insulating Tape, Paint etc.	No.	1	1000.00	1000.00
					<b>237878.20</b>
	A.Sub Total Rs.				<b>11,03,565.46</b>
	B.Deduction of Salvage Value @8 %				<b>88,285.24</b>
	C. Total Material cost after deducting Salvage Value @8%				<b>10,15,280.22</b>
	D. Stock, Storage & Insurance @ 3% of C				30,458.41
	E. Sub Total (E=C+D)				<b>10,45,738.63</b>
	T&P @ 2% of E				20,914.77
	Contingency @ 3% of E				31,372.16
	Transportation @ 7.5% of E				78,430.40
	Erection Charges @ 5% for Joist /WPB Pole cost including stock, storage & insurance				18,021.88
	Erection Charges @ 20% for PSC Pole cost including stock, storage & insurance @3%				
	Erection Charges @ 10% for Other materials cost including stock, storage & insurance				<b>68,530.09</b>
					<b>12,63,007.92</b>
26	Construction of Brick wall Boundary with civil and MS material with metal and sand spreading	Mtr.	18.00	7,300.12	131402.16
27	Construction of Plinth for 11/0.4 KV, 500 KVA DSS	No	1.00	32,181.60	32181.60
28	Concreting of support C:C 1:1:5:3,0.55 cum @6400 for 13 Mtr. WPB Pole	Nos.	6	3520.00	21120.00
29	Concreting of support C:C 1:1:5:3,0.45 cum @6400 for 11 Mtr. WPB Pole	Nos.	2	2880.00	5760.00
30	Couping with C.C 1:1:5:3,0.1125 cum @6400	Nos.	8	720.00	5760.00
31	Cement concreting for stud & stay anchor Plate with C.C ,1:2:4,0.2 cum @6177.92	Nos.	22	1235.58	27182.76
32	Materials for Masonary work for earth pit, charcoal, salt etc. including construction of earthing chamber (size -2"x2") and RCC slab cover.	No	15	1600.00	24000.00
33	Dismantling of 11/0.4 KV 500 KVA S/S	No	1	4000.00	4000.00
34	Dismantling of 11 KV Line DP with AB Switch	No	1	2000.00	2000.00
35	Dismantling of HT Pole	No	2	1000.00	2000.00
36	Dismantling of HT Line	Span	5	500.00	2500.00
37	Dismantling of LT pole	No	3	1000.00	3000.00

38	Dismantling of LT Line	Span	9	400.00	3600.00
					<b>264506.52</b>
	Sub Total Rs.				<b>15,27,514.44</b>
	Cess @ 1%				<b>15,275.14</b>
	Total Estimated Cost				<b>15,42,789.59</b>
	Total Estimated Cost in Figures				<b>15,42,790.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (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/-  
DM (Elect) I/C

Sd/-  
Project Manager(Elect.)