

TENDER INVITING AUTHORITY: JOINT MANAGER (ELECTRICAL DIVISION),THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD, BHUBANESWAR

NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 6-E+6-F TYPE QTRS. OF COMMANDANT OSAP 8TH BN.,CHATRAPUR IN THE DIST. OF GANJAM.

BID REF NO.- 33/JM/ELECT/OPHWC/2018-19

Bidder Name

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
SCOPE-A	I. Construction of 3 ph 3 wire 11 KV OH line using 10 mtr. Long 150x150 mm RS Joist Pole with 55 sq. mm AAA Conductor -0.9 KM				
1	150x150 mm 10 mtr. RS Joist pole(12 Nos.)(34.60 kg/mtr.)	KG	4152	69.28	287650.56
2	150x150 mm 9 mtr. RS Joist pole(8 Nos.)(34.60 kg/mtr.)	KG	2491.2	69.28	172590.34
3	11 KV GI Pin	No.	60	90.70	5442.00
4	11 KV Pin Insulator	No.	60	88.18	5290.80
5	11 KV Disc Insulator (B & S)70 KN	No.	78	440.90	34390.20
6	11 KV Hard wire fittings (B & S)	No.	39	314.93	12282.27
7	11 kv v cross Arm	No.	14	963.68	13491.52
8	Top F clamp	No.	14	122.82	1719.48
9	Back clamp for V cross arm 1.70 kg each	Pair	14	161.24	2257.36
10	55 sq. mm AAAC	Km	2.781	37791.36	105097.77
11	Earthing of support(coil type)	No	20	230.53	4610.60
12	100x50x6 mm MS Channel for tapping point & cut point	Kg	248.4	75.58	18774.07
13	Galvanisation of all MS materials	Kg	248.4	10.80	2682.72
14	Guarding for road crossing(including stay,earthing)	Ls	2	5000.00	10000.00
15	HT stay set	set	10	1136.73	11367.30
16	HT stay insulator	No.	10	50.39	503.90
17	Stay Clamp(1.95 kg/pair)	Pair	10	184.23	1842.30
18	7/10 SWG GI Stay Wire	Kg	100	94.48	9448.00
19	Cement concreting for stay anchor plate with C.C 1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	10	1160.00	11600.00
20	Cement Concreting for support with C.C-1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	20	1160.00	23200.00
21	Couping with C.C-1:3:6 by using 12 mm size hard broken granite chips=0.3 Mtrx0.3 Mtrx0.45 Mtr.=0.0405 cum or 0.041 cum	No	20	177.04	3540.80
22	Concrete slab for base plate size 2ftx2ftx2" thickness for each PSC pin point	No.	20	440.90	8818.00
23	GI nut, bolt, washer	Kg	30	94.48	2834.40
24	Sundries for survey , tree cutting , small size nut bolt, Allm. Binding wire/ tape & Danger board etc.	LS	1	3000.00	3000.00

SCOPE-B	II. Installation of 100 KVA(3 Star Rated) 11/0.4KV Plinth mounted sub station using 9 mtr. Long 300 KG PSC Pole alongwith Brick wall Boundring size(10'x12') with sand filling and metal spreading fixing of iron gril gate with two nos. RCC base pillar etc. as per SOUTHCO specification - 1 No.				
1	9 mtr. Long 300 KG PSC Pole	No.	2	3779.14	7558.28
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long (9.2 K.g per mtr) x 2 Nos.	K.g	51.52	75.58	3893.88
3	Transformer mounting Channel (100x50x6)mm each 2.8 mtr long (9.2 K.g per mtr) x 2 Nos.	K.g	51.52	75.58	3893.88
4	AB switch & HG Fuse , mounting channel(GI)(75x40x6)mm,each 2.8 mtr Long,4 nos(6.8Kg/mtr)	K.g	76.16	75.58	5756.17
5	Cantilever channel (GI) for supporting AB Switch Arm 75x40x6-1mtr long,2 Nos (6.8Kg/Mtr)	K.g	13.6	75.58	1027.89
6	Transformer Belting angle (50x50x6)mm each 2.8 mtr Long,2 nos(4.5Kg/mtr),with side angle (Total 7 Mtr)	K.g	31.5	75.58	2380.77
7	Angle for Mounting LT distribution Box (50x50x6) mm MS Angle(GI)- 2.5 mtr Long,2 nos(4.5Kg/Mtr)	K.g	22.5	75.58	1700.55
8	Galvanisation of all MS materials	Kg	246.8	10.80	2665.44
9	AB switch 3 pole (200Amp)	Set	1	11337.41	11337.41
10	HG fuse 3 pole (200 Amp)	Set	1	7432.30	7432.30
11	11 KV LA	No.	3	1259.71	3779.13
12	11 KV Disc Insulator (B & S)70 KN	No.	6	440.90	2645.40
13	11 KV Hard wire fittings (B & S)	No.	3	314.93	944.79
14	HT Stay Set complete	Set	2	1196.73	2393.46
15	HT stay insulator	No.	2	50.39	100.78
16	Stay Clamp(1.95 kg/pair)	Pair	2	184.23	368.46
17	7/10 SWG GI Stay Wire	Kg	20	94.48	1889.60
18	GI Pipe Earthing 40 dia medium gauge 3 mtrs. Long	No.	5	1625.03	8125.15
19	25x4 mm GI flat	Kg	30	94.48	2834.40
20	40x6mm GI Flat for nutral	Kg	20	94.48	1889.60
21	Cement concreting for stay anchor plate with C.C 1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	2	1160.00	2320.00
22	Cement Concreting for support with C.C-1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	2	1160.00	2320.00
23	Couping with C.C-1:3:6 by using 12 mm size hard broken granite chips=0.3 Mtrx0.3 Mtrx0.45 Mtr.=0.0405 cum or 0.041 cum	No	2	177.04	354.08
24	Materials for Massionary work for earth Pit, Charcoal, Salt etc including construction of earthing chamber (size 2"x2") and RCC slab cover	No.	5	1595.66	7978.30
26	55 sq. mm AAAC	Km	0.04	37791.36	1511.65

27	Red oxide paint	Ltr.	1.5	97.69	146.54
28	All. Paint	Ltr.	2	110.41	220.82
29	GI Nut ,Bolt and Washer	Kg	30	94.48	2834.40
30	LT distribution box for 100 KVA Tfr including Kit kat fuse with MCCB	No.	1	28571.28	28571.28
31	100 KVA, 11/0.4 KV transformer (3-star rated)	No.	1	157464.00	157464.00
32	3.5 core 150 sq. mm PVC cable for 100 KVA Tfr.	Mtr.	15	775.31	11629.65
33	Plinth for Transformer 6' height(Below GL 2')x5'x10'	No.	1	15000.00	15000.00
34	Brick wall Bounding size(10'x12') with sand filling and metal spreading fixing of iron grill gate with two nos. RCC base pillar etc. as per SOUTHCO specification	No	1	60000.00	60000.00
35	sundries for survey , pvc tape ,ampire tape, Danger Board ,Small size nut &bolt,preparation of Drawing etc	LS	1	2000.00	2000.00
SCOPE-C	III. Construction of 3 Ph 5W LT Line using 8 Mtr. Long 200 KG PSC Pole with 3x50+1x35+1x16 sq mm AB Cable-0.6 Km & with 3x95+1x50+1x16 sq. mm AB Cable-0.4 Km				
1	8 mtr. Long 200 Kg PSC Pole	No.	10	2519.42	25194.20
2	Dead End clamp with I hook	No.	7	377.71	2643.97
3	Suspension clamp with I hook	No.	6	401.53	2409.18
4	Pearcing connector	No.	10	65.09	650.90
5	Neutral connector	No.	10	37.39	373.90
6	AB Cable (3 x50+ 1x35 mm ²)	Km	0.309	157464.00	48656.38
7	LT stay set	No.	5	869.20	4346.00
8	7/12 SWG GI stay wire	Kg.	40	94.48	3779.20
9	Stay clamp	Pair	5	184.23	921.15
10	LT stay insulator	No	5	31.49	157.45
11	Cement concreting for stay anchor plate with C.C 1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	5	1160.00	5800.00
12	Couping with C.C-1:3:6 by using 12 mm size hard broken granite chips=0.3 Mtrx0.3 Mtrx0.45 Mtr.=0.0405 cum or 0.041 cum	No	10	177.04	1770.40
13	Concrete slab for base plate size 2ftx2ftx2" thickness for each PSC pin point	No.	2	440.90	881.80
14	Earthing of support(coil type)	No	10	196.52	1965.20
15	GI Nut-Bolt-Washer	Kg	10	94.48	944.80
16	Sundries	LS	1	500.00	500.00
A	TOTAL RS.				1218396.98
B	Stock,storage and insurance (@3% on A)				36551.91
C	TOTAL RS.(A+B=C)				1254948.89
D	T&P @ 2% of C				25098.98
E	Contigency @ 3% of C				37648.47
F	Transportation @ 7.5% of C				94121.17
G	Erection charges @ 10% of C				125494.89
H	Total				1537312.39
H	Total Estimated Cost in Figures				1,537,312.00

EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %
Quoted Amount in Figure		
Quoted Amount in words		

N:B- The Estimated cost is inclusive of GST.

Signature of Tenderer with seal

**Sd/-
Asst. Project Manager[Elect.]**

**Sd/-
APM Elect. (Hqr.)**

**Sd/-
Consultant(Elect.)**

**Sd/-
Joint Manager(Elect.)**