

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 600 SEATED BOYS AND 600 SEATED GIRLS ANNWESHA HOSTEL AT MALKANGIRI.

BID REF NO.- 13/JM/ELECT/OPHWC/2020-21

Bidder Name

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
SCOPE-A	Construction of 3 ph 3 wire 11 KV line using 9 mtr. Long 300 KG PSC Pole with 55 sq. mm AAA Conductor -0.1 Km				
1	11 KV V Cross Arm(10.2 kg each)	No.	1	810.00	810.00
2	Back clamp for 11 KV 'V' cross arm	No.	1	80.00	80.00
3	11 KV F clamp 2.9 Kg each	No.	1	240.00	240.00
4	11KV Disc insulator T & C 45 KN Polymer	No.	3	860.00	2580.00
5	11KV H.W Fittings T & C 45 KN	No.	3	130.00	390.00
6	11KV Pin Insulator Porecelain	No.	3	80.00	240.00
7	11KV GI Pin	No.	3	80.00	240.00
8	HT stay set complete	No.	1	1050.00	1050.00
9	11KV stay insulator	No.	1	50.00	50.00
10	HT stay clamp (1.9 Kg/pair)	pair	1	125.00	125.00
11	7/10 SWG GI stay wireGrade-2	Kg	8	75.00	600.00
12	Earthing Device/ support coil type(GI)	No.	1	166.00	166.00
13	GI Base plate (500x500x10mm) for PSc Pole(20 Kg)	No.	1	1500.00	1500.00
14	Cocncrete material for stay anchor plate(0.45x0.45x1.5) Mtr.	No.	1	1270.00	1270.00
15	Padding and Cocncrete materials for 0 Nos Cut Point & 1 Tapping Point with cooping(0.45x0.45x1.5) Mtr.	No.	1	1460.00	1460.00
16	MS Nut ,Bolt & Washer	K.g	2.5	71.00	177.50
17	Sundries (Paint,Danger board ,clamp,connector,Anticlimbing device ,Binding tape etc	LS	1	300.00	300.00
18	100x50x6mm MS channel for straight cross arm 1.2 mtr 2 nos & 0.2 mtr long 2 nos)(9.2 Kg/mtr)	Kg	25.76	65.00	1674.40
19	9 mtr. Long 300 KG PSC Pole	No.	1	3000.00	3000.00
20	55 sq. mm AAA Conductor	Km	0.309	30000.00	9270.00
	Sub Total Rs.				25222.90
SCOPE-B	Installation of 100 KVA(Star Rated) 11/0.4KV DP mounted sub station using 9 mtr. Long 300 KG PSC Pole alongwith Barbed Fencing (size 8'x12') with 10 nos RCC piller and 3 Ply GI barbed wire & grill gate & locking arrangement.- 1 No.				

1	9 mtr long 300Kg PSC pole	No.	2	3000.00	6000.00
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long 2 Nos. (9.2 K.g per mtr)	Kg	51.52	65.00	3348.80
3	Transformer mounting channel 100x50x6mm GI channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	51.52	65.00	3348.80
4	AB switch & HG Fuse,Mounting GI Channel (75x40x6)-2.8mtr long 4 nos(6.8 k.g per mtr)	Kg	76.16	65.00	4950.40
5	Transformer belting Angle 50x50x6mm-2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(Total 7 mtr)	Kg	31.5	65.00	2047.50
6	Angle for mounting LT Distribution Box(50x50x6) mm 1.0 Mtr. Long 2 Nos.(4.5 Kg/Mtr.)	Kg	9	65.00	585.00
7	Disc insulator T & C 45 KN Polymer	No.	3	860.00	2580.00
8	H.W Fittings T & C 45 KN	No.	3	130.00	390.00
9	11KV AB switch 3 pole(200 Amp)	Set	1	7350.00	7350.00
10	11KV HG fuse 3 pole(200 Amp)	Set	1	6120.00	6120.00
11	12KV 10KA LA ,station class	No.	3	3550.00	10650.00
12	LT Distribution box with MCCB, Aluminium busbar for 2-Bay with kitkat fuse for 100 KVA S/S	No	1	24419.00	24419.00
13	LT 3.5 core 150 sq. mm PVC cable(Unarmoured)	Mtr.	15	504.00	7560.00
8	HT stay set complete	No.	2	1050.00	2100.00
9	11KV stay insulator	No.	2	50.00	100.00
10	HT stay clamp (1.9 Kg/pair)	pair	2	125.00	250.00
11	7/12 SWG GI stay wireGrade-2	Kg	20	75.00	1500.00
18	40 mm nominal bore GI Pipe Medium gauge earthing device with 3 mtrs long	No.	5	1050.00	5250.00
19	Earthing of support coil type	No.	2	166.00	332.00
20	GI flat (25x3)mm @0.6 Kg/mtr.	Kg	30	75.00	2250.00
14	Cocncrete material for stay anchor plate(0.45x0.45x1.5) Mtr.	No.	2	1270.00	2540.00
22	Padding and concreting material for support(0.45x0.45x1.5)mtr	No.	2	1270.00	2540.00
23	Materials for Massionary work for earth Pit, Charcoal, Salt etc for earthing	No.	5	1600.00	8000.00
13	GI Base plate (500x500x10mm) for PSc Pole(20 Kg)	No.	2	1500.00	3000.00
25	MS Nuts and Bolts	Kg	30	71.00	2130.00
26	Sundries (Aluminium binding tap,insulating tap,fencing metal spreading,Anticlimbing device ,Paint,Danger Board etc)	LS	1	1000.00	1000.00
27	Fencing size 8'x12' with 10 nos RCC piller and 3 Ply GI barbed wire & grill gate & locking arrangement	LS	1	8440.63	8440.63
28	Sand and metal spreading	LS	1	2532.19	2532.19
29	100 KVA 11/0.4 Kv Transformer	No.	1	117000.00	117000.00

	Sub Total Rs.				238314.32
SCOPE-C	Construction of 3 Ph 5 W LT Line with 3x50+1x35+1x16 sq.mm AB Cable over 8 Mtr. Long 200 KG PSC pole LT cable to be drawn separately using LT crossarm .-0.72 Km				
1	L.T Stay set (Complete)	Set	8	520.00	4160.00
2	7/12 SWG GI stay wireGrade-2	Kg	56	75.00	4200.00
3	Cocreting of stay	No.	8	1270.00	10160.00
4	L.T Stay Clamp(1.4 K.g/Pair)	Pair	8	110.00	880.00
5	L.T Stay Insulator	No.	8	30.00	240.00
6	LT 3 PH 5 W cross arm(MS)9.75 Kg	No.	24	730.00	17520.00
7	LT Back clamp for Cross Arm(0.85 kg/No.)	No	24	80.00	1920.00
8	LT Pin insulator	No	80	20.00	1600.00
9	LT GI pin	No	80	50.00	4000.00
10	C.I knob	No	20	30.00	600.00
11	LT Shackle insulator	No	20	30.00	600.00
12	LT GI strap with N&B	Set	20	80.00	1600.00
13	Saundries(paint, binding tape)	Ls	1	972.00	972.00
14	MS Nuts and bolts	No	10	71.00	710.00
15	AB cable(3x50+1x35+1x16 sq. mm)to be drawn separately	Km	0.7416	140000.00	103824.00
16	8 Mtr. Long 200 KG psc pole	No	24	2000.00	48000.00
	Sub Total Rs.				200986.00
	<p>N:B- 1.The LT distribution Box is to be installed as per SOUTHCO utility specification during execution of work.</p> <p>2.Fencing of S/S with Grill Gate & metal spreading is to be done properly as per estimate.</p>				
SCOPE-D	Erection of Intermediate Supports-5 Nos.				
1	11 KV V Cross Arm(10.2 kg each)	No.	5	810.00	4050.00
2	Back clamp for 11 KV 'V' cross arm	No.	5	80.00	400.00
3	11 KV F clamp 2.9 Kg each	No.	5	240.00	1200.00
4	11KV Pin Insulator Porecelain	No.	15	80.00	1200.00
5	11KV GI Pin	No.	15	80.00	1200.00
6	MS Nut ,Bolt & Washer	K.g	5	71.00	355.00
7	9 mtr. Long 300 KG PSC Pole	No.	5	3000.00	15000.00
	Sub Total Rs.				23405.00
A	TOTAL MATERIAL COST(FOR-2018-19)				487928.22
B	Stock, Storage & Insurance @ 3% of A				14637.85
C	Sub Total (C=A+B)				502566.07
D	Contingency @3% of C				15076.98
E	T & P 2% of C				10051.32
F	Transportation @ 7.5% of C				37692.45

G	Erection Charges for PSC Pole @ 20%				14832.00
H	Erection Charges of DTR and Joist Poles @ 5%				6025.50
I	Erection Charges of other @ 10%				30789.61
K	Total Estimated Cost				617033.93
L	Total Estimated Cost in Figures				617034.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
Quoted Amount in Figure					
Quoted Amount in words					

N:B- The Estimated cost is exclusive of GST. i.e. @ 12%

Signature of Tenderer with seal

Sd/-
Asst. Project Manager[Elect.]

Sd/-
APM Elect. (Hqr.)

Sd/-
Joint Manager(Elect.)