

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 1D TYPE QTR., JMFC, BISAM KATAK IN THE DIST. OF RAYAGADA.

BID REF NO:- 39/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 -0.282 Km(Span Length-60 Mtr.)				
1	11 KV V Cross Arm	No.	2	810.00	1620.00
2	F clamp ([Pole Top bracket)	No.	2	240.00	480.00
3	Back clamp for 11 KV 'V' cross arm	No.	2	80.00	160.00
4	11KV Pin Insulator	No.	15	80.00	1200.00
5	11KV GI Pin	No.	15	80.00	1200.00
6	11KV Disc insulator (Cut points have double disc system)	No.	30	290.00	8700.00
7	11KV H.W Fittings T&C Type	No.	15	130.00	1950.00
8	HT stay set complete	No.	4	1050.00	4200.00
9	11KV stay insulator	No.	4	50.00	200.00
10	stay clamp	pair	4	125.00	500.00
11	7/10 SWG GI stay wire	Kg	32	75.00	2400.00
12	Earthing coil	No.	3	166.00	498.00
13	Cocncrete material for stud pole /stay anchor plate(0.45x0.45x1.5)Mtr	Ls	4	1120.00	4480.00
14	Base plate for support	Ls	3	291.60	874.80
15	concreting material for pole (0.45x0.45x1.5)Mtr	Ls	1	1120.00	1120.00
16	MS Nut ,Bolt & Washer	K.g	6	71.00	426.00
17	9 mtr. Long 300 KG PSC Pole	No.	3	3000.00	9000.00
18	55 sq. mm AAA Conductor	Km	0.871	30000.00	26141.40
19	100x50x6mm MS channel for straight cross arm (1.2 mtrs.x 2 pcs + 0.2 mtrx2)per cut-point	Kg	103.04	65.00	6697.60
20	Guarding for road crossing	LS	1	10000.00	10000.00
21	Sundries (Danger Board,clamp connectors,Anticlimbing device,binding tape etc.)	LS	1	600.00	600.00
A	TOTAL MATERIAL COST IN RS.				82447.80
B	Stock,storage and insurance (@3% on A)				2473.43
C	TOTAL RS.				84921.23
D	T&P @ 2% of C				1698.42
E	Contigency @ 3% of C				2547.64

F	Transportation @ 7.5% of C				6369.09
G	Erection charges @ 10% on others and 20% on PSC poles				9419.12
H	TOTAL RS.				104955.51
SCOPE-B	Installation of 25 KVA 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(2 Nos. for S/S and 2 Nos. for stud pole)	No.	4	3000.00	12000.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.	Kg.	51.52	65.00	3348.80
3	Transformer mounting Channel 100x50x6mm. 2.8mtr. Long 2nos. (9.2kg./mtr.)	Kg.	51.52	65.00	3348.80
4	A/B switch and H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)	Kg.	76.16	65.00	4950.40
5	Cantilever Channel for supporting A/B switch 75x40x6mm.1 mtr.Long 2 Nos	Kg.	13.6	65.00	884.00
6	Cantilever Angle for supporting A/B switch 50x50x6mm.1.5mtr Each, 2Nos	Kg.	10.5	65.00	682.50
7	Transformer belting 50x50x6mm.angel-2.8mtr.Long, 2Nos.(4.5Kg./mtr.)with side angel (Total 7 mtrs)	Kg.	31.5	65.00	2047.50
8	Angel for mounting L.T Distribution box 50x50x6mm.-1 mtr.Long,2Nos.	Kg.	7	65.00	455.00
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	No.	3	1000.00	3000.00
12	LT Distribution box including kitkat fuse	No	1	14930.00	14930.00
13	HT stay set (Complete)	No.	2	1050.00	2100.00
14	11 KV stay Insulator	No.	2	50.00	100.00
15	Side Stay clamp	pair	2	125.00	250.00
16	7/10 SWG GI Saty wire	Kg	16	75.00	1200.00
17	GI Pipe earthing 40 mm Dia Medium gauge 2.5 mtrs long	No.	3	1050.00	3150.00
18	NO.6 GI Wire for earthing	Kg	20	75.00	1500.00
19	MS Nuts , Bolts and washers	Kg	25	71.00	1775.00
20	25 KVA 11/0.4 Kv Transformer(BIS EEL-2 Star-1 rated)	No.	1	53800.00	53800.00
21	3.5 core 50 sq. mm PVC Cable	Mtr.	24	203.00	4872.00
22	Concrete material for stay anchor plate (0.45x0.45x1.5)mtr	Ls	2	1120.00	2240.00

23	Materials for earthing including Massionary work for earth Pit, Charcoal, Salt and cement plate cover	Ls	3	1000.00	3000.00
24	Concrete material for support(0.45x0.45x1.5)mtr	Ls	4	1120.00	4480.00
25	Base plate for support	No.	2	291.60	583.20
26	Sundries (Paint,Danger Board,Aluminium binding tape,insulating tape,Anticlimbing device,clamp connector,jumpering materials,socket & other cable accessories, etc)	LS	1	1500.00	1500.00
27	Fencing size 8'x12' with 10 nos RCC piller and 3 Ply GI barbed wire & grill gate & locking arrangement	LS	1	5000.00	5000.00
28	Disc insulator (T & C)Double disc system	No.	6	290.00	1740.00
29	Hard ware fittings	No.	3	130.00	390.00
30	Sand and metal spreading	LS	1	1500.00	1500.00
A	TOTAL MATERIAL COST IN RS.				148297.20
B	Stock,storage and insurance (@3% on A)				4448.92
C	TOTAL RS.				152746.12
D	T&P @ 2% of C				3054.92
E	Contigency @ 3% of C				4582.38
F	Transportation @ 7.5% of C				11455.96
G	Erection charges @ 10% on others and 20% on PSC poles and 5% on Dist. Transformers				13739.91
H	TOTAL RS.				185579.29
SCOPE-C	Construction of 3 Ph 4 W LT Line with 3x35+1x25 sq.mm AB Cable over 8 Mtr. Long 200 KG PSC pole .-0.02 Km				
1	8 Mtr. Long 200 KG psc pole	No	1	2000.00	2000.00
2	LT Line with (3x35+1x25 sq. mm)AB Cable	Mtr.	20.6	108.00	2224.80
3	Dead end clamp suitable for bare messanger XLPE Areial bunched cable	No.	2	65.00	130.00
4	L.T Stay set	Set	1	520.00	520.00
5	7/10 SWG Stay Wire	Kg	8	75.00	600.00
6	L.T Stay Clamp(1.4 K.g/Pair)	Pair	1	110.00	110.00
7	L.T Stay Insulator	No.	1	30.00	30.00
8	Nuts and bolts(Assorted size)	Kg	2	71.00	142.00
9	Cocreting of stay & stud poles	Nos.	1	1120.00	1120.00
10	Base plate for pole	No	1	291.60	291.60

11	Saundries(Anticlimbing device etc.)	Ls	1	150.00	150.00
A	TOTAL MATERIAL COST IN RS.				7318.40
B	Stock,storage and insurance (@3% on A)				219.55
C	TOTAL RS.				7537.95
D	T&P @ 2% of C				150.76
E	Contingency @ 3% of C				226.14
F	Transportation @ 7.5% of C				565.35
G	Erection charges @ 10% on others and 20% on PSC poles				959.80
H	TOTAL RS.				9440.00
I	Total Rs.				299974.79
J	Dismantling cost				10000.00
	Total Estimated Cost				309974.79
	Total Estimated Cost in Figures				309975.00
EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) _____%					
Quoted Amount in Figures.					
Quoted Amount in words					

N.B-The Estimate Cost is Exclusive of G.S.T i.e. @ 12%

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect.)

Sd/-
Asst. Project Manager Elect.(Hqr)

Sd/-
Joint Manager (Elect.)