

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 2-C TYPE QTRS FOR THE SR. CIVIL JUDGE,1-C TYPE QTR. FOR THE ADDL. CJM,1-C TYPE QTRS. FOR SECRETARY DLSA,1-B TYPE QTR. 3RD ADDL. DIST. JUDGE,1-B TYPE QTR. FOR SPL JUDGE COURT(OPID),BERHAMPUR.

BID REF NO.- 09/JM/ELECT/OPHCW/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	I. Construction of 3 ph 3 wire 11 KV OH line with 55 sq. mm AAA Conductor & 3 Nos. of 150x150 mm 10 Mtr. Long RS Joist pole - 0.12 Km (3 span)				
1	150x150 mm 10 Mtr. Long RS Joist pole	Kg	1038	75.00	77850.00
2	11 KV F clamp	No.	2	240.00	480.00
3	11 kv v cross Arm	No.	2	810.00	1620.00
4	Back clamp for V cross arm	No	2	80.00	160.00
5	11 KV Hard wire fittings (B & S)	No.	9	260.00	2340.00
6	11 KV Disc Insulator (B & S)70 KN	No.	9	860.00	7740.00
7	Pressure Channel -100x50x6 mm(9.2 kg/mtr.)	Kg	51.52	75.00	3864.00
8	11 KV Pin Insulator	No.	9	80.00	720.00
9	11 KV GI Pin	No.	9	80.00	720.00
10	HT Stay Set complete	Set	4	1050.00	4200.00
11	HT stay insulator	No.	4	50.00	200.00
12	Stay Clamp	Pair	4	125.00	500.00
13	7/10 SWG GI Stay Wire	Kg	40	75.00	3000.00
14	Fixing of stay set with 0.5Cum cement concret foundation 1:3:6 size(900mmx600mmx900mm) using 40mm BHG metal with all labour and material	No.	4	1270.00	5080.00
15	Concreting of support C.C-1:3:6 by using 40 mm HBG metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3037 Cum	No.	3	1270.00	3810.00
16	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	No	3	193.00	579.00
17	Earthing of support(coil type)	No	3	166.00	498.00
18	GI Nut,Bolt of assorted size	Kg	3	78.00	234.00
19	Base plate for PSC pole	No	3	280.00	840.00
20	Sundries(paint,danger board,insulating tape, anticlimbing device,clamp connector, jumpering materials,Al. binding tape & wire, socket & other cable accessories etc.)	ls	1	500.00	500.00
A	TOTAL RS.				114935.00
B	Stock,storage and insurance (@3% on A)				3448.05
C	TOTAL RS.(A+B=C)				118383.05
D	T&P @ 2% of C				2367.66
E	Contingency @ 3% of C				3551.49
F	Transportation @ 7.5% of C				8878.73
G	Erection charges @ 5% on Transformers, @20 % on PSC Poles and @ 10% on others				7829.03
H	Total				141009.96

SCOPE-B	II. Installation of 100 KVA(BIS Energy Leve-II) 11/0.4KV DP mounted sub station - 1 No.				
1	150x150 mm 10 Mtr. Long RS Joist pole	Kg	692	65.00	44980.00
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long (9.2 K.g per mtr) x 2 Nos.	K.g	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	HG Fuse , mounting channel(75x40x6)mm(6.8Kg/mtr)	K.g	38.08	65.00	2475.20
5	Channel for Cantilever arrangement (75x40x6)mm,(6.8Kg/mtr)	K.g	13.6	65.00	884.00
6	Angle for Cantilever arrangement (50x50x6)(4.5Kg/mtr)	K.g	13.5	65.00	877.50
7	Transformer Mounting Channel 100x50x6mm-9.2 Kg/Mtr.	Kg	51.52	65.00	3348.80
8	Transformer belting Angle 50x50x6mm, 7 Mtr.(4.45Kg per mtr)	Kg	31.5	65.00	2047.50
9	Angle for Mounting LT distribution Box (50x50x6) mm(4.5Kg/Mtr)	K.g	13.5	65.00	877.50
10	Galvanisation of all MS material	Kg	956.74	10.00	9567.40
11	11 KV AB switch 3 pole	Set	1	7350.00	7350.00
12	11 KV HG fuse 3 pole	Set	1	6120.00	6120.00
13	11 KV LA(9 Kv,5 KA class)	No.	3	980.00	2940.00
14	11 KV Disc Insulator (B & S)polymer 45 KN	No.	3	860.00	2580.00
15	11 KV Hard wire fittings (B &S)45 KN	No.	3	260.00	780.00
16	HT Stay Set complete	Set	2	1050.00	2100.00
17	HT stay insulator	No.	2	50.00	100.00
18	Stay Clamp	Pair	2	125.00	250.00
19	7/10 SWG GI Stay Wire	Kg	20	75.00	1500.00
20	Cement Concreting of stay Anchor plate C.C 1:3:6 size by using 4 cm size hard granite metal=0.45x0.45x1.5 Mtr.=0.3037cum.	No.	2	1270.00	2540.00
21	GI Pipe Earthing 40 dia medium gauge 2.5 mtrs. Long	No.	5	1050.00	5250.00
22	25x6 mm GI flat	Kg	50	75.00	3750.00
23	LT Distribution box with MCCB Box,Aluminium Busbar for 2 Bay with Kit kat fuse for 100 KVA S/S	No.	1	24419.00	24419.00
24	100 KVA, 11/0.4 KV transformer (BIS Energy Leve-II)	No.	1	117000.00	117000.00
25	Concreting of support C.C-1:3:6 by using 40 mm HBG metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3037 Cum	No.	2	1270.00	2540.00
26	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	No	2	193.00	386.00
27	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
28	GI Nut,Bolt and washer	Kg	35	78.00	2730.00
29	55 sq. mm AAA conductor for jumpering	Km	0.05	30000.00	1500.00
30	1Cx185 sq. mm LT XLPE cable(Armoured)	Mtr	32	256.00	8192.00
31	RCC Base plate	No	2	280.00	560.00
32	Earthing device coil type	No	2	166.00	332.00
33	Danger plate	No	2	80.00	160.00
34	Boundary wall with Iron gate as per southco specification	No	1	36099.00	36099.00

35	Filling sand @ Rs.431.60/cmt for (8ftx12ftx1/2ft)=48cft=1.359cmt 1.359x431.60=Rs.586.54	Ls	1	587.00	587.00
36	40 mm size HBG metal @Rs.981.36/cmt for (8ftx12ftx1/4ft)=24 cft=0.679cmt 0.679x981.96=Rs.666.75	Ls	1	667.00	667.00
37	Sundries for Al. Binding tape,Insulation tape,Anticlimbing device,paint,danger Board,clamp connector,jumpering materials,painting,socket and other cable accessories.	LS	1	2000.00	2000.00
A	TOTAL RS.				312165.80
B	Stock,storage and insurance (@3% on A)				9364.97
C	TOTAL RS.(A+B=C)				321530.77
D	T&P @ 2% of C				6430.62
E	Contingency @ 3% of C				9645.92
F	Transportation @ 7.5% of C				24114.81
G	Erection charges @ 5% on Transformers, @20 % on PSC Poles and @ 10% on others				23811.11
H	Total				385533.23
SCOPE-C	Construction of 3 ph 5 wire LT Line with 3x95+1x70+1x16 sq. mm LT XLPE cable -0.57 Km				
1	8 Mtr. Long 200 Kg PSC Pole	No	17	2000.00	34000.00
2	8 Mtr. Long 200 Kg PSC Pole(stud)	No	1	2000.00	2000.00
3	Stud Clamp(1.4 Kg/pair)	Pair	2	110.00	220.00
4	Suspension clamp with I hook	No	10	340.00	3400.00
5	Dead End clamp with I hook	No	12	65.00	780.00
6	Pole clamp for eye hook for (XLPE aerial bunched cable)	No	17	200.00	3400.00
7	Piercing connector	No	11	80.00	880.00
8	LT stay set complete	Set	13	520.00	6760.00
9	7/12 SWG GI stay wire	Kg.	104	75.00	7800.00
10	LT stay clamp	Pair	13	110.00	1430.00
11	LT stay set Insulator	No.	13	30.00	390.00
12	Cement Cocncreting of stay Anchor plate C.C 1:3:6 size by using 4 cm size hard granite metal=0.45x0.45x1.5 Mtr.=0.3 cum.	No.	13	1160.00	15080.00
13	AB Cable (3x95+1x70+1x16 mm ²)	Mtr.	598.5	243.00	145435.50
14	Concreting of support C.C-1:3:6 by using 40 mm HBG metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3037 Cum	No.	18	1270.00	22860.00
15	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	No	18	193.00	3474.00
16	Earthing device coil type	No	17	166.00	2822.00
17	Danger plate	No	18	80.00	1440.00

18	GI Nut,Bolt of assorted size	Kg	18	78.00	1404.00
19	Sundries for survey, tree cutting,small size nut bolt,Allm. Binding wire /tape etc.	LS	1	500.00	500.00
A	TOTAL RS.				254075.50
B	Stock,storage and insurance (@3% on A)				7622.27
C	TOTAL RS.(A+B=C)				261697.77
D	T&P @ 2% of C				5233.96
E	Contingency @ 3% of C				7850.93
F	Transportation @ 7.5% of C				19627.33
G	Erection charges @ 5% on Transformers, @20 % on PSC Poles and @ 10% on others				29877.78
H	Total				324287.77
J	TOTAL ESTIMATED COST				850830.96
K	Total Estimated Cost in Figures				8,50,831.00
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.

Signature of Tenderer with seal

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

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

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