

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.****JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail: jmelectricalophwc@gmail.com, Website: www.ophwc.nic.in****PRICE BID FOR THE WORK UNDER SL. NO :- 20 AS PER IFB****NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 12-E TYPE CLUSTER HOUSE AT R.O , BERHAMPUR IN THE DISTRICT OF BERHAMPUR.****BID REF NO.- 50/JM/ELECT/OPHWC/2020-21****NAME &  
ADDRESS  
OF THE  
FIRM****SCOPE OF WORKS**

<b>Sl. No.</b>	<b>Description of work</b>	<b>Unit</b>	<b>Qty.</b>
[A]	3Ph3W 11KV line with 55mm <sup>2</sup> AAAC on 9Mtr.long 300 Kg PSC Pole	KM	0.04(1 span)
[B]	Construction of double pole mounted 63 KVA 11/0.4KV sub station using 9 mtr long 300 Kg PSC pole	NO	1
[C]	Construction of 3 ph 5 wire LT line over 8 mtr Long PSC Pole with (3x50+1x35+1x16) sq.mm LT XLPE AB cable.	KM	0.12(4 Span)

**SCHEDULE OF WORKS**

<b>Sl. No.</b>	<b>Description of work</b>	<b>Unit</b>	<b>Qty.</b>	<b>Estimated Cost in Rs.</b>	
				<b>RATE (RS)</b>	<b>AMOUNT (RS)</b>
<b>SCOPE-A</b>	<b>Construction of 3 ph 3 wire 11 KV line using 9 mtr. Long 300 KG PSC Pole -0.04 Km(1Span)</b>				
1	9 mtr. Long 300 KG PSC Pole	No.	1	3000.00	3,000.00
2	11KV F Clamp	No.	1	240.00	240.00
3	11 kv GI V cross Arm	No.	1	810.00	810.00
4	Back clamp for V cross arm	No	1	80.00	80.00
5	11 KV Pin insulator Polymer	No	6	200.00	1,200.00
6	11 KV Disc insulator (B & S)Polymer 45KN	No.	3	860.00	2,580.00
7	11 KV Hard wire fittings (B & S)45KN	No.	3	260.00	780.00
8	Pressure Channel 100X50X6mm (9.2Kg/mtr)Rs 10.0 added for Galvanization.	Kg.	22.08	75.00	1,656.00
9	HT Stay Set complete	Set	1	1050.00	1,050.00
10	7/10 SWG GI Saty wire	Kg	10	75.00	750.00

11	HT stay insulator	No.	1	50.00	50.00
12	Stay Clamp	Pair	1	125.00	125.00
13	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.	1	1270.00	1,270.00
14	55 sq. mm AAA conductor(incl 3% sag)	Km	0.1236	30000.00	3,708.00
15	Cocncreting of support C.C 1:3:6 using 40 mm HBG metal=0.45x0.45x1.5 Mtr.=0.3037cum.@4158.84=0.3037x4158.84=1263.03 or 1270.00	No.	1	1270.00	1,270.00
16	Couping with C.C 1:3:6 by using 12mm size hard broken granite chips=0.3Mtr.x 0.3 Mtr.x0.45 Mtr=0.405 Cum@ Rs 4754.71/Cum=0.0405xRs4754.71=Rs192.57 or Rs193.00	No.	1	193.00	193.00
17	Earthing coil	No.	1	166.00	166.00
18	GI Nut,Bolt & Washers	Kg	1	78.00	78.00
19	RCC Base plate for support	No.	1	280.00	280.00
20	11KV Road crossing & guarding Sunbines (1 Amt,Danger	LS	1	8602.00	8,602.00
21	Board,Aluminium binding tape,insulating tape,Anticlimbing device,clamp connector,jumpering materials,socket & other cable accessories, etc)	LS	1	1000.00	1,000.00
	Total				28,888.00
<b>SCOPE-B</b>	<b>Installation of 63KVA 11/0.4KV DP mounted sub station - 1 No.</b>				
1	9 mtr. Long 300 KG PSC Pole	No.	2	3000.00	6,000.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos .Rs 10.0 added for Galvanization.	Kg.	51.52	75.00	3,864.00
3	AB switch mounting Channel 100x50x6mm. 2.8mtr. Long 2nos. (9.2kg./mtr.).Rs 10.0 added for Galvanization.	Kg.	51.52	75.00	3,864.00
4	H.G fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.).Rs 10.0 added for Galvanization.	Kg.	38.08	75.00	2,856.00
5	Cantilever Channel 75x40x6mm.1 mtr.Long 2 Nos .Rs 10.0 added for Galvanization.	Kg.	13.6	75.00	1,020.00
6	Cantilever Angle forsupporting A.B switch & H.G fuse 50x50x6mm.2mtr Each, 2Nos .Rs 10.0 added for Galvanization.	Kg.	13.50	75.00	1,012.50

7	DP Bracing Channel 100X50X6mm. 2.8mtr. Long 2Nos .Rs 10.0 added for Galvanization.	Kg.	51.52	75.00	3,864.00
8	DP Bracing angle 50x50x6mm.angel- 2.8mtr.Long, 2Nos.(4.5Kg./mtr.)with side angel (Total 7 mtrs) .Rs 10.0 added for Galvanization.	Kg.	31.5	75.00	2,362.50
9	Angel for mounting L.T Distribution box 50x50x6mm(4.5 Kg/Mtr)..Rs 10.0 added for Galvanization.	Kg.	13.5	75.00	1,012.50
10	11KV AB switch 3 pole(200 Amp)	Set	1	7350.00	7,350.00
11	11KV HG fuse 3 pole(200 Amp)	Set	1	6120.00	6,120.00
12	12KV 10KA LA	No.	3	980.00	2,940.00
13	11 KV Disc insulator (B & S)Polymer 45KN	No.	3	860.00	2,580.00
14	11 KV Hard ware fittings (B & S)Polymer 45KN	No.	3	260.00	780.00
15	HT stay set (Complete)	No.	2	1050.00	2,100.00
16	7/10 SWG GI Saty wire	Kg	20	75.00	1,500.00
17	11 KV stay Insulator	No.	2	50.00	100.00
18	Side Stay clamp	Pair	2	125.00	250.00
19	Concrete material for stay anchor plate with CC foundation 1:3:6 size using 40mm BHG metal+couping	Nos.	2	1270.00	2,540.00
20	GI Pipe earthing 40 mm Dia Medium gauge 2.5 mtrs long	No.	5	1050.00	5,250.00
21	25x4 GI Flat for S/S Earthing	Kg	30	75.00	2,250.00
22	25x6 GI Flat for Neutral earthing of 63KVA	Kg	20	75.00	1,500.00
23	Materials for Massionary work for earth Pit, Charcoal, Salt and cement plate cover	No.	5	1595.66	7,978.30
24	LT distribution Box including kit-kat fuse with MCCB for 25 KVA Transformer	No.	1	18322	18,322.00
25	11/0.4 Kv,63KVA Transformer(BIS EEL-2 Star-1 rated)	No.	1	86500.00	86,500.00
26	Cocncreting of support C.C 1:3:6 using 40 mm HBG metal=0.45x0.45x1.5 Mtr.=0.3037cum.@4158.84=0.3037x415 8.84=1263.03 or 1270.00	No.	2	1270.00	2,540.00
27	Couping with C.C 1:3:6 by using 12mm size hard broken granite chips=0.3Mtr.x 0.3 Mtr.x0.45 Mtr=0.405 Cum@ Rs 4754.71/Cum=0.0405xRs4754.71=Rs192 .57 or Rs193.00	No.	2	193.00	386.00
28	GI Nuts , Bolts and washers	Kg	35	78.00	2,730.00
29	55 sq. mm AAA conductor	Km	0.05	30000.00	1,500.00

30	1Cx150 sq. mm LT XLPE Cable (Armoured)	Mtr.	32	210.00	6,720.00
31	RCC Base plate for support	No.	2	280.00	560.00
32	Fencing of S/S (size 8'x12') :- i) 10 nos of RCC 8' feet length barbed wire pillar @883.00=Rs 883.00x10 =Rs 88830.00 ii) G.i 2ply 2.5mm dia Barbed wire = 50ftx5=250ft=76.20Mtr or 80Mtr. @0.12 Kg/mtr=80Mtrx0.12=9.60Kg @ Rs 94.48/Kg=9.6x94.48= Rs907.01 iii) Supply & installation of double leaf M.S Gate of height 1.5mtr x1.5 mtr width made out of 30 x30 x6 mm Angle and 25x6mm Flat.The gate shall be Painted with 2 Coats.1.5 mtrx1.5mtr=2.25sqmtr or 24.22sqft @ 2.5Kg/sqft=24.22x2.5= 60.55Kg@Rs72.37Kg=60.55x72.37= Rs 4382 Total= Rs 14119.01 or say Rs 14200.00	No	1	14200.00	14,200.00
33	Filling Sand @ Rs431.60/Cmt for (8 ftx12 ft x 1/2 ft)=48Cft=1.359Cmt i.e, 1.359 x 431.60= Rs 586.54 or say Rs 587	LS	1	587.00	587.00
34	40 mm size HBG metal @Rs981.36/Cmt for(8ft x12ft x1/2 ft)=24Cft=0.679Cmt i.e,0.679x981.96.=Rs666.75 or say Rs667	LS	1	667.00	667.00
35	Sundries (Aluminium binding tape,insulating tape,Anticlimbing device,paint, etc)	LS	1	2000.00	2,000.00
	Total				205,805.80
<b>SCOPE-C</b>	<b>Construction of 3 Ph 5 W LT Line with 3x50+1x35+1x16 sq.mm AB Cable over 8 Mtr. Long 200 KG PSC pole .-0.120 Km (4 Span)</b>				
1	8 Mtr. Long 200 KG psc pole	No	4	2000.00	8,000.00
2	8 Mtr. Long 200 KG psc pole(stud)	No	2	2000.00	4,000.00
3	Stud clamp(1.4 Kg/pair)	Pair	2	110.00	220.00
4	Suspension Clamp With I Hook	No.	2	340.00	680.00
5	Dead end clamp With I hook	No.	2	65.00	130.00
6	Pole clamp for Eye hook for (XLPE Aerial bunched Cable)	No.	4	200.00	800.00
7	L.T Stay set	Set	1	520.00	520.00
8	7/12 SWG Stay Wire	Kg	8	75.00	600.00
9	L.T Stay Clamp(1.4 K.g/Pair)	Pair	1	110.00	110.00
10	L.T Stay Insulator	No.	1	30.00	30.00

11	Concrete material for stay anchor plate with CC foundation 1:3:6 size using 40mm BHG metal+couping	Nos.	1	1160.00	1,160.00
12	LT Line with (3x50+1x35+1x16) sq. mm)XLPE AB Cable	Mtr.	123.6	140.00	17,304.00
13	Cocncreting of support C.C 1:3:6 using 40 mm HBG metal=0.45x0.45x1.5 Mtr.=0.3037cum.@4158.84=0.3037x4158.84=1263.03 or 1270.00	No.	4	1270.00	5,080.00
14	Couping with C.C 1:3:6 by using 12mm size hard broken granite chips=0.3Mtr.x 0.3 Mtr.x0.45 Mtr=0.405 Cum@ Rs 4754.71/Cum=0.0405xRs4754.71=Rs192.57 or Rs193.00	No.	4	193.00	772.00
15	Earthing coil	No.	4	166.00	664.00
16	Danger Board	No.	4	80.00	320.00
17	GI Nut,Bolt & Washers	Kg	4	78.00	312.00
18	Sundries (Aluminium binding tape,insulating tape,Anticlimbing device,paint, etc)	LS	1	1000.00	1,000.00
	Total				41,702.00
A	TOTAL MATERIAL COST(A+B+C) IN RS.				276,395.80
B	Stock,storage and insurance (@3% on A)				8,291.87
C	TOTAL RS.				<b>284,687.67</b>
D	T&P @ 2% of C				5,693.75
E	Contingency @ 3% of C				8,540.63
F	Transportation @ 7.5% of C				21,351.58
G	Erection Charges for PSC Pole @ 20%			21630.00	4,326.00
H	Erection Charges of DTR and Joist Poles @ 5%			89095.00	4,454.75
I	Erection Charges of other @ 10%			173962.67	17,396.27
	Total Rs.				346,450.65
	<b>Or say</b>				<b>346,451.00</b>
EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) _____%					
Quoted Amount in Figure					
Quoted Amount in word					

**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.)**