

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 1-D,2-E & 6-F TYPE QTRS. AT KRUSHNAPRASAD FIRE STATION IN THE DIST. OF PURI.					
BID REF NO.- 09/JM/ELECT/OPHWC/2019-20					
Bidder Name					
SCHEDULE OF WORKS					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>SCOPE-A</b>	<b>Construction of 3 ph 3 wire 11 KV line using 9 mtr. Long 300 KG PSC Pole with 55 sq. mm AAA Conductor -0.50 Km with dismantal of 11 KV Line 2 span.</b>				
1	9 mtr. Long 300 KG PSC Pole	No.	1	3000.00	3000.00
2	11 KV V Cross Arm(10.2 kg each)	No.	1	810.00	810.00
3	Top F clamp	No.	1	240.00	240.00
4	GI Back clamp for 11 KV 'V' cross arm	No.	1	80.00	80.00
5	11KV Pin Insulator (Polymer)	No.	5	200.00	1000.00
6	11KV H.W Fittings B&S 70 KN	No.	9	350.00	3150.00
7	11KV Disc insulator B&S 70 KN (Polymer)	No.	9	1150.00	10350.00
8	HT stay set complete	No.	1	1050.00	1050.00
9	11KV stay insulator	No.	1	50.00	50.00
10	HT stay clamp1.95 kg/pair	pair	1	125.00	125.00
11	7/10 SWG stay wire	Kg	10	75.00	750.00
12	Coccrete material for stay anchor plate with C.C 1:3:6 by using 4 cm size hard granite metal=0.45x0.45x1.5 mtr.=0.3037Cum.	No.	1	1270.00	1270.00
13	Earthing of support coil type	No.	1	166.00	166.00
14	55 sq. mm AAA Conductor	Km	0.155	30000.00	4650.00
15	Coccreting of support C.C 1:3:6 , using 40 mm BHG metal=0.45x0.45x1.5 Mtr.=0.3037cum.	No.	1	1270.00	1270.00
16	Couping with C.C 1:3:6 , using 12 mm size hard broken granite chips=0.3 Mtr.x0.3 Mtr.x0.45Mtr.=0.0405 Cum.	No.	1	193.00	193.00
17	GI barbed wire anticlimbing device 2 kg per support	Kg	2	80.00	160.00
18	100x50x6mm MS channel for1 No. cut-point	Kg	27.6	65.00	1794.00
19	Galvanisation of all MS material	K.g	27.6	10.80	298.08
20	GI,nut,bolt & washer of different sizes	Kg	3	78.00	234.00
21	Sundries (survey,tree cutting,small size nut bolt,All. binding wire/ tape & Danger Board etc.)	LS	1	1000.00	1000.00
A	TOTAL MATERIAL COST IN RS.				<b>31640.08</b>
<b>SCOPE-B</b>	<b>Installation of 63 KVA( Star Rated) 11/0.4KV DP mounted sub station using 9 mtr. Long 300 KG PSC Pole .- 1 No.</b>				
1	9 mtr long 300Kg PSC pole	No.	2	3000.00	6000.00
2	Pressure Channel 100X50X6mm.2.8mtr. Long 2Nos.(9.2kg/mtr.)x2 Nos.	Kg.	51.52	<b>65.00</b>	<b>3348.80</b>

3	Transformer mounting Channel 100x50x6mm. 2.8mtr. Long 2nos. (9.2kg./mtr.)x2 Nos.	Kg.	51.52	<b>65.00</b>	<b>3348.80</b>
4	A/B switch and H.G Fuse Mounting Channel 75x40x6mm. 2.8mtr. Long 4Nos. (6.8kg./mtr.)	Kg.	76.16	<b>65.00</b>	<b>4950.40</b>
5	Cantilever Channel for supporting A/B switch arm 75x40x6mm.1.5mtr.Long 4Nos (6.8kg./mtr.)	Kg.	13.6	<b>65.00</b>	<b>884.00</b>
6	Transformer belting 50x50x6mm.angel- 2.8mtr.Long, 2Nos.(4.5Kg./mtr.)with side angel (Total 7 mtrs)	Kg.	31.5	<b>65.00</b>	<b>2047.50</b>
7	Angel for mounting L.T Distribution box 50x50x6mm.- 2.5mtr.Long,2Nos.(4.5Kg./mtr)	Kg.	22.5	<b>65.00</b>	<b>1462.50</b>
8	Galvanisation of all MS material	Kg	246.8	<b>10.80</b>	<b>2665.44</b>
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	9 KV 5KA LA	No.	3	980.00	2940.00
12	11KV Hard ware fittings B & S Type 70 KN	No.	3	350.00	1050.00
13	11KV Disc insulator B & S Type Disc 70 KN (polymer)	No.	3	1150.00	3450.00
14	HT stay set (Complete)	No.	2	1050.00	2100.00
15	stay Insulator	No.	2	50.00	100.00
16	Stay clamp	pair	2	125.00	250.00
17	7/10 SWG GI Saty wire	Kg	20	75.00	1500.00
18	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	Kg	5	1050.00	5250.00
19	Cocncrete material for stay anchor plate with C.C 1:3:6 by using 4 cm size hard granite metal=0.45x0.45x1.5 mtr.=0.3037Cum.	No.	2	1270.00	2540.00
20	Cocncreting of support C.C 1:3:6 , using 40 mm BHG metal=0.45x0.45x1.5 Mtr.=0.3037cum.	No.	2	1270.00	2540.00
21	Couping with C.C 1:3:6 , using 12 mm size hard broken granite chips=0.3 Mtr.x0.3 Mtr.x0.45Mtr.=0.0405 Cum.	No.	2	193.00	386.00
22	Materials for Massionary work for earth Pit, Charcoal, Salt etc for earthing	No.	5	1595.66	7978.30
23	25x4 mm GI Flat	Kg	30	75.00	2250.00
24	25x6 mm GI flat for neutral	Kg	20	75.00	1500.00
25	55 sq. mm AAA Conductor	Km	0.04	30000.00	1200.00
26	Red Oxide Paint	Ltr	2	<b>150.00</b>	<b>300.00</b>
27	Alluminium Paint	Ltr	2	<b>200.00</b>	<b>400.00</b>
28	GI nut bolt & Washer	Kg	25	<b>78.00</b>	<b>1950.00</b>
29	63 KVA 11/0.4 Kv Transformer(BIS EEL-2 Star-1 rated)	No.	1	86500.00	86500.00
30	LT Distribution box with MCCB ,Al. Bus bar for single bay with kit kat fuse for 63 KVA S/S	No	1	18322.00	18322.00
31	3.5 core 95 sq. mm PVC Cable	Mtr.	15	333.00	4995.00

32	Fencing of S/S (Size 12' x 8'):-* (i) 10 nos of RCC 8' feet length barbed wire pillar @ Rs.883.00 =Rs.883.00 x 10= Rs.8830.00 (ii) G.I. 2ply 2.5mm dia Barbed Wire = 50ft x 5 = 250ft = 76.20mtr. Or 80Mtr. @0.12kg/mtr = 80Mtr x 0.12=9.06Kg @Rs.94.48/kg= 9.6x94.48= Rs.907.01 (iii) Supply & installation of double leaf M.S Gate of height 1.5mtr x 1.5mtr width, made out of 30x30x6mm Angle and 25x6mm Flat. The gate shall be painted with 2 coats. 1.5mtr x 1.5mtr= 2.25sqmtr or 24.22sqft @ 2.5kg/sqft = 24.22x2.5 = 60.55kg @ Rs. 72.37kg = 60.55 x 72.37 = Rs.4382.00 Total = Rs.14119.01	No	1			14200.00	14200.00
33	Metal spreading 20 mm & 40 mm BHG metal=12'x8'x1/2'=1.35 cum or 1.4 cum	No.	1			2600.00	2600.00
34	Sundries (survey,pvc tape,ampire tape , Danger Board,small size nut & bolt,preparation of drawing etc.)	LS	1			3000.00	3000.00
B	TOTAL MATERIAL COST IN RS.						<b>205478.74</b>
<b>SCOPE-C</b>	<b>Construction of 3 Ph 4 W LT Line with 3x50+1x35 sq.mm LT XLPE AB Cable over 8 Mtr. Long 200 KG PSC pole .-0.315 Km</b>						
1	8 Mtr. Long 200 KG psc pole	No	9			2000.00	18000.00
2	LT Line with (3x50+1x35 sq. mm)AB Cable	Mtr.	315			130.00	40950.00
3	Couping with C.C 1:3:6 , using 12 mm size hard broken granite chips=0.3 Mtr.x0.3 Mtr.x0.45Mtr.=0.0405 Cum.	No.	9			193.00	1737.00
4	Suspension clamp I Hook	No	4			340.00	1360.00
5	Dead end clamp with I Hook	No.	6			65.00	390.00
6	Piercing connector	No.	4			80.00	320.00
7	Neutral connector	No.	9			33.00	297.00
8	GI base plate(500x500x10 mm)for PSC Pole(20 Kg.)	No.	9			1500.00	13500.00
9	Earthing coil for support	No	9			166.00	1494.00
10	L.T Stay set (Complete )	Set	6			520.00	3120.00
11	L.T Stay Insulator	No.	6			30.00	180.00
12	L.T Stay Clamp(1.4 K.g/Pair)	Pair	6			110.00	660.00
13	7/12 GI Stay Wire	Kg	48			75.00	3600.00
14	Coccrete material for stay anchor plate with C.C 1:3:6 by using 4 cm size hard granite metal=0.45x0.45x1.5 mtr.=0.3Cum.	No.	6			1160.00	6960.00
15	GI Nuts and bolts of assorted size	Kg	10			78.00	780.00
16	Saundries(Anticlimbing device etc.)	LS	1			1000.00	1000.00
C	TOTAL MATERIAL COST IN RS.						<b>94348.00</b>
A	Total(A+B+C)						<b>331466.82</b>
B	Stock,storage and insurance (@3% on A)						<b>9944.00</b>
C	TOTAL RS.						<b>341410.82</b>
D	T&P @ 2% of C						<b>6828.22</b>

E	Contingency @ 3% of C				<b>10242.32</b>
F	Transportation @ 7.5% of C				<b>25605.81</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				<b>32467.33</b>
H	TOTAL RS.				<b>416554.51</b>
I	Dismantalling charges of HT Pole	No	1	<b>500.00</b>	<b>500.00</b>
J	Dismantalling charges of HT Line	span	2	<b>400.00</b>	<b>800.00</b>
K	Total				<b>417854.51</b>
L	Total Estimated Cost in Figures				<b>417855.00</b>
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/-  
Consultant(Elect.)**

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

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