

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 TYPE QTR. FOR JMFC , BORIGUMA IN THE DIST. OF NAWARANGPUR.					
BID REF NO.- 06/JM/ELECT/OPHWC/2020-21					
Bidder Name					
<u>SCHEDULE OF WORKS</u>					
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 PSC Pole with 55 sq. mm AAA Conductor having 2 Nos. cut point per Km - 0.7 Km(70 Mtr. Span)</b>				
1	9 Mtr. Long 300 KG PSC Pole	No	8	3000.00	24000.00
2	Base plate for support	No	8	280.00	2240.00
3	Earthing device/Support coil type	No	8	166	1328.00
4	11 KV V Cross Arm(10.2 kg each)	No.	7	<b>810.00</b>	<b>5670.00</b>
5	Top F clamp for PSC Pole	No.	7	<b>240.00</b>	<b>1680.00</b>
6	Back clamp for 11 KV 'V' cross arm	No.	7	<b>80.00</b>	<b>560.00</b>
7	11KV Pin Insulator 320 CD	No.	21	<b>80.00</b>	<b>1680.00</b>
8	11KV GI Pin	No.	21	<b>80.00</b>	<b>1680.00</b>
9	11KV Disc insulator T&C Type	No.	9	<b>290.00</b>	<b>2610.00</b>
10	11KV H.W Fittings T&C Type	No.	9	<b>130.00</b>	<b>1170.00</b>
11	100x50x6mm MS channel for straight cross arm 1.2 mtr. Each	Kg	66.24	<b>65.00</b>	<b>4305.60</b>
12	HT stay set complete	No.	3	<b>1050.00</b>	<b>3150.00</b>
13	11KV stay insulator	No.	3	<b>50.00</b>	<b>150.00</b>
14	HT stay clamp for PSC Pole/RS Joist(GI)	pair	3	<b>125.00</b>	<b>375.00</b>
15	7/10 SWG stay wire	Kg	30	<b>75.00</b>	<b>2250.00</b>
16	MS Nut ,Bolt & Washer of different sizes	K.g	17.5	<b>71.00</b>	<b>1242.50</b>
17	55 sq. mm AAA Conductor	Km	2.163	<b>30000.00</b>	<b>64890.00</b>
18	Cocncreting of stay Anchor plate C.C foundation 1:3:6 size by using 40 mm size HBG metal=0.45x0.45x1.5 Mtr.=0.3037cum.	No.	3	1270.00	3810.00
19	Cocncreting of support C.C 1:3:6 , using 40 mm size HBG metal=0.45x0.45x1.5 Mtr.=0.3037cum	No.	8	1270.00	10160.00
20	Couping with 1:3:6 , using 12 mm size metal=0.3x0.3x0.45 Mtr.=0.0405cum	No.	8	190.00	1520.00
21	No.6 GI wire for 11 kv line guarding	Kg	40	<b>75.00</b>	<b>3000.00</b>
22	GI Pipe earthing 40 Dia Medium gauge 3 mtr long	No.	1	1050.00	1050.00
23	No.6 GI wire for earthing	Kg	10	<b>75.00</b>	<b>750.00</b>
24	Materials for earthing including Massionary work for earth Pit, Charcoal, Salt and cement plate cover	No.	1	1600.00	1600.00
25	Sundries(paint,danger board,anticlimbing device,binding tape)	Ls	0.7	<b>1650.00</b>	<b>1155.00</b>
A	TOTAL MATERIAL COST IN RS.				<b>142026.10</b>
B	Stock,storage and insurance (@3% on A)				<b>4260.78</b>
C	TOTAL RS.				<b>146286.88</b>

D	T&P @ 2% of C				<b>2925.74</b>
E	Contingency @ 3% of C				<b>4388.61</b>
F	Transportation @ 7.5% of C				<b>10971.52</b>
G	Erection charges @ 10% on others and 20% on PSC poles				<b>17100.69</b>
H	TOTAL RS.				<b>181673.43</b>
<b>SCOPE-B</b>	<b>Installation of 25 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 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	Angel for mounting LT distribution Box through Kit-Kat-50x50x6 mm -3.0 mtrs each Long (4.5 Kg per mtr)	Kg	13.5	65.00	877.5
7	11KV Disc insulator T & C Type	No.	3	290.00	870.00
8	11KV Hard ware fittings T & C Type	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	9 KV 5KA LA	No.	3	980.00	2940.00
12	LT Distrubution Box with MCCB & Aluminium busbar of single bay with kitkat fuse for 25 KVA S/S.	No	1	14930.00	14930.00
13	HT stay set (Complete)	No.	2	1050.00	2100.00
14	11 KV stay Insulator	No.	2	30.00	60.00
15	Stay clamp	pair	2	110.00	220.00
16	7/10 SWG GI Saty wire	Kg	20	75.00	1500.00
17	GI Pipe earthing 40 Dia Medium gauge 2.5 mtrs long	No.	3	1050.00	3150.00
18	Earthing support coil type	No	2	166.00	332.00
19	NO.6 GI Wire for earthing	Kg	30	94.48	2834.40
20	MS Nuts , Bolts and washers	Kg	30	71.00	2130.00
21	25 KVA 11/0.4 Kv Transformer(BIS EEL-2 Star-1 rated)	No.	1	53800.00	53800.00
22	LT 3.5 core 50 sq. mm Cable	Mtr.	15	203.00	3045.00
23	Concrete material for stay anchor plate (0.45x0.45x1.5)mtr	No.	2	1270.00	2540.00
24	Concreting of S/S DP	No.	2	<b>1270.00</b>	<b>2540.00</b>
25	Materials for earthing including Massionary work for earth Pit, Charcoal, Salt and cement plate cover	Ls	3	1600.00	4800.00
26	Base plate for support	No.	2	280.00	560.00
27	Sundries	LS	1	2000.00	2000.00
A	TOTAL MATERIAL COST IN RS.				<b>134784.40</b>

B	Stock,storage and insurance (@3% on A)				<b>4043.53</b>
C	TOTAL RS.				<b>138827.93</b>
D	T&P @ 2% of C				<b>2776.56</b>
E	Contingency @ 3% of C				<b>4164.84</b>
F	Transportation @ 7.5% of C				<b>10412.09</b>
G	Erection charges @ 10% on others ,5% ON Dist. Transformers and 20% on PSC poles				<b>11730.09</b>
H	TOTAL RS.				<b>167911.51</b>
J	Fencing,sand Filling and Metal Spreading including GI Barbed wire and MS Grill gate(Detail specification as per Estimate)	Ls	1	<b>16796.42</b>	16796.42
K	TOTAL RS.				<b>184707.93</b>
<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 PSC pole -0.5 Km Road Cross-1 No.</b>				
1	8 Mtr. Long 200 KG psc pole	No	12	2000.00	24000.00
2	9 Mtr. Long psc pole Road cross	No	1	3000.00	3000.00
3	L.T Stay set (Complete )	Set	7	520.00	3640.00
4	7/12 SWG GI Stay Wire	Kg	56	75.00	4200.00
5	L.T Stay Insulator	No.	7	30.00	210.00
6	L.T Stay Clamp(1.4 K.g/Pair)	Pair	7	110.00	770.00
7	Ms Nuts , bolts and washer	Kg	6.75	71.00	479.25
8	AB cable(3x50+1x35+1x16 sq. mm)	Km	0.515	<b>14000.00</b>	<b>72100.00</b>
9	Concrete material for stay anchor plate	Ls	7	1270.00	8890.00
10	Padding and Concreting materials	Ls	13	193.00	2509.00
11	Suspension clamp eye Hook for ABC	No.	13	340.00	4420.00
12	Dead end clamp I Hook	No.	2	125.00	250.00
13	Pole clamp for eye Hook	No.	2	200.00	400.00
14	Sundries	Ls	0.5	1250.00	625.00
A	TOTAL MATERIAL COST IN RS.				<b>125493.25</b>
B	Stock,storage and insurance (@3% on A)				<b>3764.80</b>
C	TOTAL RS.				<b>129258.05</b>
D	T&P @ 2% of C				<b>2585.16</b>
E	Contingency @ 3% of C				<b>3877.74</b>
F	Transportation @ 7.5% of C				<b>9694.35</b>
G	Erection charges @ 10% on others ,5% ON Dist. Transformers and 20% on PSC poles				<b>15706.80</b>
H	TOTAL RS.				<b>161122.10</b>
<b>SCOPE-D</b>	<b>Construction of 3 ph 3 wire 11 KV line Line AB Switch with DP structure -1 No</b>				
1	9 mtr. Long 300 KG PSC Pole	No.	2	3000.00	6000.00
2	Pressure channel 100x50x6mm MS channel 2.8 Mtr. Long 2 Nos.	Kg	51.52	65.00	3348.80
3	AB switch Mounting Channel (75x40x6)- 2.8mtr long 2 nos(6.8 Kg/Mtr.)	Kg	38.08	65.00	2475.20
3	Angle for bottom DP Mounting Channel (50x50x6)-2.8mtr long 2 nos(4.5Kg/Mtr.)7.5 Mtr	Kg	25.2	65.00	1638.00
4	Disc insulator (T & C)	No.	6	290.00	1740.00

5	Hard ware fittings (T & C)	No.	6	130.00	780.00
6	11KV AB switch 3 Pole (400 Amp)	Set	1	11850.00	11850.00
7	HT stay set (Complete)	No.	2	1050.00	2100.00
8	11 KV stay Insulator	No.	2	30.00	60.00
9	Stay clamp	pair	2	110.00	220.00
10	7/10 SWG GI Saty wire	Kg	20	75.00	1500.00
11	GI Pipe earthing 40 Dia Medium gauge 2.5 mtrs long	No.	1	1050.00	1050.00
12	Earthing support coil type	No.	2	166.00	332.00
13	NO.6 GI Wire for earthing	Kg	10	94.48	944.80
14	MS Nuts , Bolts and washers	Kg	15	71.00	1065.00
15	Concrete material for stay anchor plate (0.45x0.45x1.5)mtr	Ls	2	1270.00	2540.00
15	Concreting of DP	Ls	2	1270.00	2540.00
17	Materials for earthing including Massionary work for earth Pit, Charcoal, Salt and cement plate cover	No.	1	1600.00	1600.00
18	Base plate for support	No.	2	280.00	560.00
19	Sundries	LS	1	1000.00	1000.00
A	TOTAL MATERIAL COST IN RS.				<b>43343.80</b>
B	Stock,storage and insurance (@3% on A)				<b>1300.31</b>
C	TOTAL RS.				<b>44644.11</b>
D	T&P @ 2% of C				<b>892.88</b>
E	Contingency @ 3% of C				<b>1339.32</b>
F	Transportation @ 7.5% of C				<b>3348.31</b>
G	Erection charges @ 10% on others and 20% on PSC poles				<b>5082.41</b>
H	TOTAL RS.				<b>55307.04</b>
J	<b>TOTAL ESTIMATED COST</b>				<b>582810.51</b>
K	Total Estimated Cost in Figures				<b>582811.00</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/-  
APM Elect. (Hqr.)

Sd/-  
Consultant(Elect.)

Sd/-  
Joint Manager(Elect.)