

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
**[Electrical Division]**  
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**PRICE BID FOR THE WORK UNDER SL. NO :- 04 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO NEW COURT BUILDING FOR JMFC AT CHARICHACK, BOUDH IN THE DISTRICT OF BOUDH.**

**BID REF NO :- 11/PM/ELECT/OPHWC/2021-22**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>SCOPE-A</b>	<b>I. Construction of 3 ph 3 wire 11 KV OH line using 55 sq. mm AAA Conductor -0.33 Km</b>				
1	100X116 MM 9 Mtr Long RS Joist Pole	No	4	<b>16874.00</b>	<b>67496.00</b>
2	100x50x6 mm Channel for straight cross (9.2 Kg/Mtr.)	Kg	53.36	<b>65.00</b>	<b>3468.40</b>
3	11 kv v cross Arm	No.	3	<b>810.00</b>	<b>2430.00</b>
4	Top F clamp	No.	3	<b>240.00</b>	<b>720.00</b>
5	Back clamp for V cross arm	No	3	<b>80.00</b>	<b>240.00</b>
6	11 KV Hard wire fittings (T & C)	No.	6	<b>130.00</b>	<b>780.00</b>
7	11 KV Disc Insulator (T & C)	No.	6	<b>290.00</b>	<b>1740.00</b>
8	11 KV GI Pin	No.	11	<b>80.00</b>	<b>880.00</b>
9	11 KV Pin Insulator	No.	11	<b>80.00</b>	<b>880.00</b>
10	HT Stay Set complete	Set	2	<b>1050.00</b>	<b>2100.00</b>
11	HT stay insulator	No.	2	<b>50.00</b>	<b>100.00</b>
12	Stay Clamp	Pair	2	<b>125.00</b>	<b>250.00</b>
13	7/10 SWG GI Stay Wire	Kg	20	<b>75.00</b>	<b>1500.00</b>
14	Cement concreting for stay anchor plate with C.C 1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	2	<b>1270.00</b>	<b>2540.00</b>
15	Cement Concreting for support with C.C-1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	4	<b>1460.00</b>	<b>5840.00</b>
16	Earthing of support(coil type)	No	4	<b>166.00</b>	<b>664.00</b>
17	Danger Board	No	4	<b>80.00</b>	<b>320.00</b>
18	GI base plate	No	4	<b>1500.00</b>	<b>6000.00</b>
19	55 sq. mm AAAC	Km	1.01	<b>30000.00</b>	<b>30300.00</b>
20	MS Nut,Bolt & washers of different sizes	Kg	8	<b>71.00</b>	<b>568.00</b>
21	Sundries	Ls	1	<b>1000.00</b>	<b>1000.00</b>
A	TOTAL RS.				<b>129816.40</b>
B	Stock,storage and insurance (@3% on A)				<b>3894.49</b>
C	TOTAL RS.(A+B=C)				<b>133710.89</b>
D	T&P @ 2% of C				<b>2674.22</b>
E	Contingency @ 3% of C				<b>4011.33</b>
F	Transportation @ 7.5% of C				<b>10028.32</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				<b>9895.04</b>

H	Total				<b>160319.79</b>
<b>SCOPE-B</b>	<b>II. Installation of 100 KVA( BIS energy Level-II ) 11/0.4KV sub station using 100X116 MM 9 Mtr Long RS Joist Pole - 1 No.</b>				
1	100X116 MM 9 Mtr Long RS Joist Pole	No.	2	<b>13806.00</b>	<b>27612.00</b>
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long (9.2 K.g per mtr) x 2 Nos.	K.g	51.52	<b>65.00</b>	<b>3348.80</b>
3	Transformer mounting channel 100x50x6mm GI channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	51.52	<b>65.00</b>	<b>3348.80</b>
4	AB switch & HG Fuse , mounting channel(GI)(75x40x6)mm,each 2.8 mtr Long,4 nos(6.8Kg/mtr)	K.g	76.16	<b>65.00</b>	<b>4950.40</b>
5	Cantilever channel for supporting HG Fuse(75x40x6)mm,each 1 mtr Long,2 nos(4.5 Kg/mtr)	K.g	13.6	<b>65.00</b>	<b>884.00</b>
6	Cantilever channel for supporting HG Fuse(50x50x6)mm angle ,each 1 mtr Long,2 nos(4.5 Kg/mtr)	K.g	9	<b>65.00</b>	<b>585.00</b>
7	Angle for cantilever arrangement for AB switch & HG Fuse (50x50x6) mm MS Angle(mm)- 2 mtr Long,2 nos(4.5Kg/Mtr)	K.g	18	<b>65.00</b>	<b>1170.00</b>
8	Transformer belting Angle 50x50x6mm-2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(Total 7 mtr)	Kg	31.5	<b>65.00</b>	<b>2047.50</b>
9	Angle for Mounting LT distribution Box (50x50x6) mm MS Angle(GI)- 2.5 mtr Long,2 nos(4.5Kg/Mtr)	K.g	22.5	<b>65.00</b>	<b>1462.50</b>
10	11 KV Disc Insulator T &C	No.	3	<b>290.00</b>	<b>870.00</b>
11	11 KV Hard wire fittings T &C type	No.	3	<b>130.00</b>	<b>390.00</b>
12	11 KV AB switch 3 pole (200Amp)	Set	1	<b>7350.00</b>	<b>7350.00</b>
13	11 KV HG fuse 3 pole	Set	1	<b>6120.00</b>	<b>6120.00</b>
14	11 KV LA	No.	3	<b>3550.00</b>	<b>10650.00</b>
15	LT Distribution box including Kit kat fuse	No.	1	<b>24419.00</b>	<b>24419.00</b>
16	HT Stay Set complete	Set	2	<b>1050.00</b>	<b>2100.00</b>
17	HT stay insulator	No.	2	<b>50.00</b>	<b>100.00</b>
18	Stay Clamp	Pair	2	<b>125.00</b>	<b>250.00</b>
19	7/10 SWG GI Stay Wire	Kg	20	<b>75.00</b>	<b>1500.00</b>
20	GI Pipe Earthing 40 dia medium gauge 3 mtrs. Long	No.	3	<b>1050.00</b>	<b>3150.00</b>
21	Earthing of support(coil type)	Nos	2	<b>166.00</b>	<b>332.00</b>
22	25x6 mm GI flat(for others)	Kg	60	<b>75.00</b>	<b>4500.00</b>
23	25x6 mm GI flat(for LA)	Kg	16.5	<b>75.00</b>	<b>1237.50</b>
24	Cement concreting for stay anchor plate with 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.	No.	2	<b>1270.00</b>	<b>2540.00</b>
25	Cement Concreting for support with C.C-1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	2	<b>1460.00</b>	<b>2920.00</b>
26	Materials for Massionary work for earth Pit, Charcoal, Salt etc including construction of earthing chamber (size 2"x2") and RCC slab cover	No.	3	<b>1595.66</b>	<b>4786.98</b>
27	Clamp , connector and jumpering materials	Ls	1	<b>850.00</b>	<b>850.00</b>
28	100 KVA Tfr. BIS Energy Level-II	No	1	<b>117000.00</b>	<b>117000.00</b>
29	1Cx95 sq. mm (Armoured ) LT XLPE cable from Transformer to Box	Mtr.	32	<b>147.00</b>	<b>4704.00</b>
30	1Cx70 sq. mm (Un Armoured ) LT XLPE cable from D. Box to LT Line	Mtr.	28	<b>74.00</b>	<b>2072.00</b>
31	Socket & other cable accessories	Ls	1	<b>450.00</b>	<b>450.00</b>
32	MS Nut ,Bolt and Washer	Kg	36	<b>71.00</b>	<b>2556.00</b>
33	Danger Board	No	2	<b>80.00</b>	<b>160.00</b>

34	GI base plate	No	2	1500.00	3000.00
35	Sundries for Al. Binding tape,Insulation tape,Anticlimbing device,paint,danger Board,clamp connector,jumpering materials,painting,socket and other cable accessories.	LS	1	1000.00	1000.00
A	TOTAL RS.				250416.48
B	Stock,storage and insurance (@3% on A)				7512.49
C	TOTAL RS.(A+B=C)				257928.97
D	T&P @ 2% of C				5158.58
E	Contingency @ 3% of C				7737.87
F	Transportation @ 7.5% of C				19344.67
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				18345.38
H	Total				308515.48
36	Sand and metal spreading	Ls	1	1700.00	1700.00
37	Plinth of the Transformer	No	1	23822.00	23822.00
38	Boundary wall	Ls	1	55000.00	55000.00
39	Total				389037.48
<b>SCOPE-C</b>	<b>Construction of 3 ph 3 wire 11 KV OH line DP for NH Road Crossing - 2 Nos</b>				
1	150X150 MM 13 Mtr Long RS Joist Pole	No	4	29237.00	116948.00
2	Pressure Channel 100x50x6mm 2.5 mtr long (9.2 K.g per mtr) x 2 Nos.	Kg	92	65.00	5980.00
3	Support Channel and Bracing Channel 75x40x6mm 2.5 mtr long (6.8 K.g per mtr) x 4 Nos.	Kg	136	65.00	8840.00
4	Cross Bracing Channel 50x50x6mm angle 3 mtr long (4.5 K.g per mtr)	Kg	54	65.00	3510.00
5	11 KV GI Pin	No.	6	80.00	480.00
6	11 KV Pin Insulator	No.	6	80.00	480.00
7	11 KV Hard wire fittings (T & C)	No.	12	130.00	1560.00
8	11 KV Disc Insulator (T & C)	No.	12	290.00	3480.00
9	HT Stay Set complete	Set	8	1050.00	8400.00
10	HT stay insulator	No.	8	50.00	400.00
11	Stay Clamp	Pair	8	125.00	1000.00
12	7/10 SWG GI Stay Wire	Kg	80	75.00	6000.00
13	Cement concreting for stay anchor plate with C.C 1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	8	1270.00	10160.00
14	Cement Concreting for support with C.C-1:3:6 by using 4 cm size hard granite metal 0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.=0.3 Cum	No.	4	1460.00	5840.00
15	Earthing of support(coil type)	No	4	166.00	664.00
16	GI plate for support	No	4	1500.00	6000.00
17	Danger Board	No	4	80.00	320.00
18	GI Pipe Earthing 40 dia medium gauge 3 mtrs. Long	No.	2	1050.00	2100.00
19	No. 6 GI Wire for earthing	Kg	40	75.00	3000.00
20	Materials for Massionary work for earth Pit, Charcoal, Salt etc including construction of earthing chamber (size 2"x2") and RCC slab cover	No.	2	1595.66	3191.32
21	Guarding for Road crossing	Span	1	3500.00	3500.00
22	MS Nut,Bolt & washers of different sizes	Kg	10	71.00	710.00
23	Sundries	Ls	1	1000.00	1000.00
A	TOTAL RS.				193563.32

B	Stock,storage and insurance (@3% on A)				<b>5806.90</b>
C	TOTAL RS.(A+B=C)				<b>199370.22</b>
D	T&P @ 2% of C				<b>3987.40</b>
E	Contingency @ 3% of C				<b>5981.11</b>
F	Transportation @ 7.5% of C				<b>14952.77</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				<b>13914.20</b>
H	Total				<b>238205.70</b>
<b>SCOPE- D</b>	<b>Construction of 3 Ph 5 W LT Line with 3x95+1x50+1x16 sq.mm LT XLPE AB Cable over 8 Mtr. Long 200 KG PSC pole .-0.75 Km</b>				
1	8 Mtr. Long 200 KG psc pole	No	19	2000.00	38000.00
2	L.T Stay set (Complete )	Set	6	520.00	3120.00
3	L.T Stay Insulator	No.	6	30.00	180.00
4	L.T Stay Clamp(1.4 K.g/Pair)	Pair	6	158.00	948.00
5	7/12 GI Stay Wire	Kg	48	75.00	3600.00
6	concrete material for stay anchor plate	No.	6	1200.00	7200.00
7	3x95+1x50+1x16 sq.mm LT XLPE AB Cable	Km	0.77	243000.00	187110.00
8	Pole Clamp for I-hook	Pair	19	200.00	3800.00
9	Suspension clamp I Hook	No	16	401.00	6416.00
10	Dead end clamp	No.	6	377.00	2262.00
11	Concrete material for support/pole	No.	19	443.00	8417.00
12	Earthing of support(coil type)	No.	19	166.00	3154.00
13	RCC Base Plate	No.	19	291.00	5529.00
14	MS Nut ,Bolt and Washer	Kg	11	<b>71.00</b>	<b>781.00</b>
15	Saundries	Ls	1	1000.00	1000.00
A	TOTAL MATERIAL COST IN RS.				<b>271517.00</b>
B	Stock,storage and insurance (@3% on A)				<b>8145.51</b>
C	TOTAL RS.				<b>279662.51</b>
D	T&P @ 2% of C				<b>5593.25</b>
E	Contingency @ 3% of C				<b>8389.88</b>
F	Transportation @ 7.5% of C				<b>20974.69</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers and 20% on PSC poles				<b>31880.25</b>
H	Total Rs.				<b>346500.57</b>
I	Estimated Cost				<b>1134063.54</b>
J	<b>Cess @ 1%</b>				<b>11,340.64</b>
K	<b>Total Estimated Cost</b>				<b>11,45,404.18</b>
L	<b>Total Estimated Cost in Figures.</b>				<b>11,45,404.00</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 @ 12%.

Signature of Tenderer with seal  
Sd/-  
Asst. Project Manager (Elect)

Sd/-  
Project Manager (Elect)

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