

**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 :- 05 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO CHC BUILDING AT AGARAPADA THE DISTRICT OF BHADRAK.**

**BID REF NO :-83/PM/ELECT/OPHWC/2025-26**

**NAME &  
ADDRESS  
OF THE  
FIRM**

**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
	<b>PART-A</b>				
<b>I</b>	<b>11 KV LINE PART</b>				
<b>1</b>	3C x120 sq. mm 11 KV XLPE cable(Armoured)A2XFY	Mtr.	100	659.00	65,900.00
<b>2</b>	Heat shrinkable jointing kit for 3Cx120 sq. mm 11 KV XLPE cable(outdoor type)	No	4	11,756.00	47,024.00
<b>3</b>	Saundries(Survey, tree cutting, insulation tape, small size Nut & Bolt, clamp, Binding wire, sockets etc.	Ls	1	3,000.00	3,000.00
<b>4</b>	<b>Total Rs.</b>				<b>115,924.00</b>
<b>5</b>	Escalation @6%for 2019-20				<b>122,879.44</b>
<b>6</b>	Escalation @6%for 2020-21				<b>130,252.21</b>
<b>7</b>	Escalation @6%for 2021-22				<b>138,067.34</b>
<b>8</b>	Escalation @6%for 2022-23				<b>146,351.38</b>
<b>9</b>	Escalation @6%for 2023-24				<b>155,132.46</b>
<b>10</b>	Escalation @6%for 2024-25				<b>164,440.41</b>
<b>A</b>	Escalation @6%for 2025-26				<b>174,306.83</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>5,229.21</b>
<b>C</b>	Sub Total (C=A+B)				<b>179,536.04</b>
<b>D</b>	Contingency @3% of C				<b>5,386.08</b>

<b>E</b>	T & P 2% of C				<b>3,590.72</b>
<b>F</b>	Transportation @ 7.5% of C				<b>13,465.20</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%				
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%				
<b>I</b>	Erection Charges of other @ 10%				<b>9,141.95</b>
<b>J</b>	Sub Total				<b>211,119.99</b>
11	Supply and laying of pipe HDPE 160 mm Dia PN8,PE-80 through HDD method .Making of trenches ducts with 160 mm dia HDPE pipe casing using HDD method,machine including supply of HDPE pipe as per IS 4984 ,providing parabolic graph included in scope(as per TPNODL sepecification and estimate)	Mtr.	80	2,274.64	181,971.20
12	BA will excavate the cable Trench length by providing all necessary tools, Manpower, pump etc suitable for HT & LT cable laying.BA will supply necessary barricades at the excavation site.	Mtr.	20	716.03	14,320.60
	Total Rs.				<b>407,411.79</b>
<b>II</b>	<b>Construction of 250 KVA (BIS energy Level-II) sub station -1 No.</b>				
1	WPB GI Pole 160x152, 11 Mtr(30.44 Kg/Mtr.)	No.	2	21,282.20	42,564.41
2	11 KV Pin Insulator polymer	No.	3	200.00	600.00
3	11 KV T&C Hardware (45KN)	set	3	130.00	390.00
4	Disc insulator(T&C)45 KN Polymer	No	3	860.00	2,580.00
5	100x50x6 mm GI Channel(each 2.8 Mtr. Long(9.2 Kg/Mtr.)2 Nos.	Kg	150	75.00	11,250.00
6	75x40x6 GI Angle(each 2.8 Mtr. Long(6.8 Kg/Mtr.)with side angle	Kg	120	75.00	9,000.00
7	50x50x6 mm GI Angle(each 2.8 Mtr. Long(4.5 Kg/Mtr.)with side angle	Kg	80	75.00	6,000.00
8	HT Stay set complete	Set	2	1,050.00	2,100.00
9	7/10 SWG Stay wire	Kg	20	75.00	1,500.00
10	HT Stay Insulator	No.	2	50.00	100.00
11	HT stay clamp	Pair	2	125.00	250.00
12	Fish Plate	Kg	4	75.00	300.00
13	55 Sq. mm Insulated conductor	Km	0.018	75,920.14	1,366.56

14	LT distribution Box with MCCB,Aluminium Bus bar of 3-bay with kit-kat fuse for 250 KVA Transformer	No.	1	48,000.00	48,000.00
15	250 KVA 11/0.4 KV(CU) Transformer with Tap changer(BIS Energy Level-II)	No.	1	373,666.10	373,666.10
16	11 KV 3 pole 400 A AB switch	Set	1	11,850.00	11,850.00
17	11 KV 3 pole 400 A HG Fuse with PI	Set	1	11,530.00	11,530.00
18	Lightning arrester ,12 KV- 10KA,station class	Nos.	3	3,008.47	9,025.42
19	PG Clamp for 55 sq. mm AAA Conductor	Nos.	3	580.00	1,740.00
20	GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long	No	7	1,050.00	7,350.00
21	Earthing material	Ls	7	1,890.00	13,230.00
22	25x6 mm GI flat for body earthing	Kg	80	75.00	6,000.00
23	No.6/8 GI wire(dia 4.6 mm)	Kg	16	75.00	1,200.00
24	GI nut,bolt & washer	Kg	30	78.00	2,340.00
25	3.5 core 95 sq. mm LT PVC cable(unarmoured)	Mtr	20	333.00	6,660.00
26	Earthing support coil type	No	2	166.00	332.00
27	Danger Board	No	2	80.00	160.00
28	All. Cable socket	No	12	52.00	624.00
29	Aniclimbing device made of GI barbed wire, clamping arrangement etc.(2 Kg per support)	Kg	4	80.00	320.00
30	Sundries for survey, PVC tape, ampire tape, Danger Board, small size nut & bolt,preparation of drawing cable socket etc..	LS	2	2,000.00	4,000.00
31	TOTAL MATERIAL COST				<b>576,028.49</b>
32	Escalation @6%for 2019-20				<b>610,590.20</b>
33	Escalation @6%for 2020-21				<b>647,225.62</b>
34	Escalation @6%for 2021-22				<b>686,059.15</b>
35	Escalation @6%for 2022-23				<b>727,222.70</b>
36	Escalation @6%for 2023-24				<b>770,856.07</b>
37	Escalation @6%for 2024-25				<b>817,107.43</b>
<b>A</b>	Escalation @6%for 2025-26				<b>866,133.87</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>25,984.02</b>
<b>C</b>	Sub Total (C=A+B)				<b>892,117.89</b>
<b>D</b>	Contingency @3% of C				<b>26,763.54</b>
<b>E</b>	T & P 2% of C				<b>17,842.36</b>

<b>F</b>	Transportation @ 7.5% of C				<b>66,908.84</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%				
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%				<b>32,231.62</b>
<b>I</b>	Erection Charges of other @ 10%				<b>24,748.54</b>
<b>J</b>	<b>Sub Total</b>				<b>1,060,612.79</b>
38	Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6)@6500	No	2	2,215.20	4,430.40
39	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6)@6500	No	2	965.00	1,930.00
40	Sub-station Brick boundary wall with 1 Mtr. Gate and metal spreading	Ls	1	70,000.00	70,000.00
41	Plinth of Distribution Transformer(250 KVA)	No	1	35,000.00	35,000.00
					<b>1,171,973.19</b>
<b>III</b>	<b>LT LINE PART</b>				
1	WPB GI Pole 160x160 mm, 9 Mtr	No.	4	14,195.48	56,781.93
2	LT XLPE AB cable(3x95+1x70+1x16) sq. mm	Km	0.15	243,000.00	36,450.00
3	Dead end clamp	No.	4	65.00	260.00
4	Suspension clamp with I hook	No.	3	340.00	1,020.00
5	Pole clamp with I hook(ABC)	Pair	4	200.00	800.00
6	Insulated piercing connector.Type-A-main 16 to 95 sq.mm & Tap-16 to 95 sq.mm	No	10	80.00	800.00
7	Neutral connector.Type-B-main 35 to 70 sq.mm & Tap-2.5 to 10 sq.mm service cable over by black weather resistant insulation cover	No	10	33.00	330.00
8	LT Stay set complete	Set	4	520.00	2,080.00
9	7/12 SWG GI stay wire	Kg	32	75.00	2,400.00
10	LT stay insulator	No.	4	30.00	120.00
11	LT stay clamp	No.	4	110.00	440.00
12	GI nut,bolt of assorted size	Kg	4.8	78.00	374.40
13	Earthing support coil type	No.	4	166.00	664.00
14	Sundries for survey, tree cutting , small size Nut & Bolt with washer, Allm. Binding tape, Danger Board etc.	Ls	3	3,000.00	9,000.00
15	<b>Total Rs.</b>				<b>111,520.33</b>
16	Escalation @6%for 2019-20				<b>118,211.55</b>
17	Escalation @6%for 2020-21				<b>125,304.25</b>

18	Escalation @6%for 2021-22				<b>132,822.50</b>
19	Escalation @6%for 2022-23				<b>140,791.85</b>
20	Escalation @6%for 2023-24				<b>149,239.36</b>
21	Escalation @6%for 2024-25				<b>158,193.72</b>
A	Escalation @6%for 2025-26				<b>167,685.35</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>5,030.56</b>
<b>C</b>	Sub Total (C=A+B)				<b>172,715.91</b>
<b>D</b>	Contingency @3% of C				<b>5,181.48</b>
<b>E</b>	T & P 2% of C				<b>3,454.32</b>
<b>F</b>	Transportation @ 7.5% of C				<b>12,953.69</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%				
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%				<b>4,397.02</b>
<b>I</b>	Erection Charges of other @ 10%				<b>8,477.55</b>
<b>J</b>	Sub Total				<b>207,179.96</b>
22	Material cost for Concreting of 9 Mtr. RS Joist Pole 1.8 Mtrx0.45 Mtr.x0.45 Mtr=0.3645 cum(PCC 1:3:6)@6500	No	4	2,369.25	9,477.00
23	Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.1485 cum(PCC 1:3:6)@6500	No	4	965.00	3,860.00
	<b>Total Rs.</b>				<b>220,516.96</b>
	<b>TOTAL RS.(PART-A)</b>				<b>1,799,901.95</b>
	<b>PART-B</b>				
<b>I</b>	<b>Construction of 11 KV Line</b>				
1	WPB (GI) Pole 160x152 (11 Mtr. Long )30.4 Kg/Mtr.	No.	2	37,762.42	75,524.84
2	99 sq. mm AAAC XLPE Covered conductor	Mtr.	154.5	248.68	38,421.06
3	PG clamp for 100 sq. mm AAA conductor	No	3	872.15	2,616.45
4	11 KV Pin Insulator polymer	No.	3	300.74	902.22
5	11 KV B&S Hardware (70KN)	set	6	526.30	3,157.80
6	Disc insulator(B&S)70 KN Polymer	No	6	1,729.26	10,375.56
7	Earthing support coil type	No	2	249.61	499.22
8	100X50X6mm Top Channel 9.56 Kg/Mtr.	Kg.	50	112.78	5,639.00
9	Fish plate GI channel 50x6 mm ,2.36 Kg/Mtr.	Kg	3.96	112.78	446.61
10	Double Pole Belting Channel 75x40x4.8 mm	Kg.	45	112.78	5,075.10
11	50x50x6 mm GI Bracing Angle each 2.8 Mtr. Long(4.5 Kg/Mtr.)	Kg.	45	112.78	5,075.10

12	Danger Plate	No	2	120.30	240.60
13	Back clamp for Danger Plate,25x3 mm flat	No	0.6	112.78	67.67
14	HT stay set complete	Pair	2	1,578.89	3,157.78
15	HT Stay Insulator	No.	4	75.19	300.76
16	HT stay clamp	Pair	2	187.96	375.92
17	7/10 SWG Stay wire	Kg	30	112.78	3,383.40
18	Aniclimbing device made of GI barbed wire, clamping arrangement etc.(2 Kg per support)	Kg	6	120.30	721.80
19	Back clamp for Anticlimbing Device	Kg	1.2	112.78	135.34
20	GI nut,bolt & washer	Kg	15	117.29	1,759.35
21	Black paint	Ltr.	2	330.81	661.62
22	Yellow colour paint for Back ground	Ltr.	1	162.00	162.00
<b>A</b>	<b>TOTAL MATERIAL COST</b>				<b>158,699.19</b>
<b>B</b>	<b>Stock, Storage &amp; Insurance @ 3% of A</b>				<b>4,760.98</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>163,460.17</b>
<b>D</b>	<b>Contingency @3% of C</b>				<b>4,903.81</b>
<b>E</b>	<b>T &amp; P 2% of C</b>				<b>3,269.20</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>12,259.51</b>
<b>G</b>	<b>Erection Charges for PSC Pole @ 20%</b>				
<b>H</b>	<b>Erection Charges of DTR and Joist Poles @ 5%</b>				<b>3,889.53</b>
<b>I</b>	<b>Erection Charges of other @ 10%</b>				<b>7,823.52</b>
<b>J</b>	<b>Sub Total</b>				<b>195,605.74</b>
<b>23</b>	Fixing of complete stay set	Set	2	2,301.53	4,603.06
24	Concreting ratio 1:1:5:3(500x500x1800)	M3	0.9	6,500.00	5,850.00
25	Couping ratio 1:1:5:3(500x500x1500)	M3	0.225	6,500.00	1,462.50
	<b>Total Rs.</b>				<b>207,521.30</b>
<b>II</b>	<b>ASSOCIATED MATERIALS FOR 11 KV METERING UNIT</b>				
1	16 MM MS Bolts & Nuts with washer	Kg	15	117.29	1,759.35
2	25x6 mm GI Flat for Earthing	Kg	20	112.78	2,255.60
3	50x6 mm GI Flat for Earthing	Kg	20	112.78	2,255.60
4	GI Pipe for earthing 40mm dia 3mtr long	Kg	4	1,578.89	6,315.56
5	11 KV Lightning Arrester(12 KV,10KA)station class	Nos.	3	5,337.89	16,013.67

6	Cable control 1.1 KV CU PVC Cable 10Cx2.5 sq. mm	Mtr.	12	496.22	5,954.64
<b>A</b>	Sub total Rs.				<b>34,554.42</b>
<b>B</b>	Stock, Storage & Insurance @ 3% of A				<b>1,036.63</b>
<b>C</b>	Sub Total (C=A+B)				<b>35,591.05</b>
<b>D</b>	Contingency @3% of C				<b>1,067.73</b>
<b>E</b>	T & P 2% of C				<b>711.82</b>
<b>F</b>	Transportation @ 7.5% of C				<b>2,669.33</b>
<b>G</b>	Erection Charges for PSC Pole @ 20%				
<b>H</b>	Erection Charges of DTR and Joist Poles @ 5%				
<b>I</b>	Erection Charges of other @ 10%				<b>2,908.60</b>
<b>J</b>	Sub Total				<b>42,948.53</b>
7	Construction of earth chamber	No	4	4,603.05	<b>18,412.20</b>
	<b>Total Rs.</b>				<b>61,360.73</b>
<b>III</b>	<b>11 KV LINE XLPE INTERMEDIATE ARRANGEMENT</b>				
<b>1</b>	75x40x6 mm Channel -2x2.2 Mtr. @ 7.1 Kg	Kg	32	112.78	3,608.96
<b>2</b>	Eye bolts	Nos.	4	90.22	360.88
<b>3</b>	HT stay set complete	Pair	2	1,578.89	3,157.78
<b>4</b>	HT Stay Insulator	No.	4	75.19	300.76
<b>5</b>	HT stay clamp	Pair	2	187.96	375.92
<b>6</b>	7/10 SWG Stay wire	Kg	30	112.78	3,383.40
<b>7</b>	6 SWG (4.9 mm) GI wire for Tension(2 nos.)	No	20	112.78	2,255.60
<b>8</b>	8 SWG (4.06 mm) GI wire for lacing	Pair	33.5	112.78	3,778.13
<b>9</b>	GI Nut , Bolt & Washer of different sizes	Kg	5	117.29	586.45
<b>A</b>	<b>A. Sub total</b>				<b>17,807.88</b>
<b>B</b>	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>534.24</b>
<b>C</b>	<b>Sub Total (C=A+B)</b>				<b>18,342.12</b>
<b>D</b>	<b>T&amp;P @ 2% of C</b>				<b>366.84</b>
<b>E</b>	<b>Contingency @ 3% of C</b>				<b>550.26</b>
<b>F</b>	<b>Transportation @ 7.5% of C</b>				<b>1,375.66</b>

<b>G</b>	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>				
<b>H</b>	<b>Erection Charges @ 20% on PSC Poles</b>				
<b>I</b>	<b>Erection Charges @ 10% for other materials</b>				<b>1,090.77</b>
<b>J</b>	<b>Total Rs.</b>				<b>21,725.65</b>
<b>10</b>	ITC of 11 KV HT stay set	Nos.	1	2,301.53	<b>2,301.53</b>
	<b>Total Rs.</b>				<b>24,027.18</b>
	<b>Total Rs.(PART-B)</b>				<b>292,909.21</b>
	<b>Sub Total Rs.</b>				<b>2,092,811.16</b>
	<b>Cess @1%</b>				<b>20,928.11</b>
	<b>Total Estimated Cost</b>				<b>2,113,739.27</b>
	<b>Total Estimated Cost in Figures</b>				<b>2,113,739.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)		In Figure _____ % In word _____ %		
Quoted Amount in Figure					
Quoted Amount in word					

N:B- The Estimated cost is exclusive of GST.

**Signature of Tenderer with seal**

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

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

**Sd/-**  
**Project Manager (Elect)**