

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**

**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**

**[Electrical Division]**

**Ph: 0674-2541545, 2542921, Fax: 0674-2541543**

**E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in**

**PRICE BID FOR THE WORK UNDER SL. NO :- 03 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO BAGHAMARI POLICE STATION IN THE DISTRICT OF KHURDA.**

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

<b>NAME &amp; ADDRESS OF THE FIRM</b>	
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**SCHEDULE OF WORKS**

**PART - 1**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	63 KVA, 11/0.4 KV TFR (Al) BIS level -II	No	1	86500.00	86,500.00
2	100x116 mm RS Joist 11 Mtr Long	Kg	1012	65.00	65,780.00
2	100x116 mm RS Joist (10 Mtr Long)	Kg	1380	65.00	89,700.00
3	100x116 mm RS joist (9 Mtr Long)	Kg	1449	65.00	94,185.00
	<b>A. Sub total</b>				<b>3,36,165.00</b>
	<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>				<b>10,084.95</b>
	<b>Sub Total (C=A+B)</b>				<b>3,46,249.95</b>
	<b>T&amp;P @ 2% of C</b>				<b>6,925.00</b>
	<b>Contingency @ 3% of C</b>				<b>10,387.50</b>
	<b>Transportation @ 7.5% of C</b>				<b>25,968.75</b>
	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>				<b>17,312.50</b>
	<b>Total</b>				<b>4,06,843.69</b>

**PART - 2**

<b>II</b>	<p><b>Construction of 11 KV line 3 ph 3 W using 55sqmm AAA Conductor using 100x116 mm RS joist= 0.15 KM</b></p> <p><b>Construction of 11 KV line 3 ph 3 W using 55sqmm AAA Conductor using 100x116 mm RS joist= 0.1 KM( 3 span) towards shifting of existing 11 Kv Line.</b></p> <p><b>Erection of 11 KV Intermediate pole using 11 Mtr. long 100x116 mm RS Joist Pole-1 No</b></p> <p><b>Construction of LT 3 Ph 5 W Line using 9 Mtr. Long 100x116 mm RS Joist Pole with 3x50+1x35+1x16 sq. mm AB Cable-0.3 Km(7 Nos. span)</b></p>
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Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	55 sq. mm AAA Conductor	Km	0.773	30000.00	23,190.00
2	100x50x6 mm MS channel for straight cross arm	Kg	150	65.00	9,750.00
3	11 KV V cross arm (10.2 kg each)	No	2	810.00	1,620.00
4	Top Bracket 75 x 40mm MS channel(1.3 kg each)	No.	2	100.00	200.00

5	Back clamp for V cross arm 1.70 Kg each	Pair	2	80.00	160.00
6	11 KV GI Pin	No	15	80.00	1,200.00
7	11 KV Pin insulator Procelain	No	15	80.00	1,200.00
8	11 KV Hard wire fittings (B&S) 70KN, 3 Bolt	No	15	350.00	5,250.00
9	11 KV Disc insulator (B&S), 70KN, poreclain	No	30	390.00	11,700.00
10	HT Stay Set complete	Set	6	1050.00	6,300.00
11	HT stay insulator Type-C	No	6	50	300.00
11	HT stay clamp	No	6	125	750.00
12	7/10 SWG GI Saty wire	Kg	60	75.00	4,500.00
13	Fixing stay set with 0.5 cum cement concret foundation 1:3:6 size (900mmx60mmx900mm) using 4 cm size BHG metal with all labour and material except stay set, stay wire, stay insulator.	No.	6	2315.15	13,890.90
14	Concreting of support CC - 1:4:8 using 40 mm BHG metal size 5'x2'x2'= 20cft = 0.570cum padding 900x600x150 mm = 0.081=0651cum x 3071.25=1999.38 each cut point	No.	4	2639.18	10,556.72
15	Couping of support section 15'x15' height (3.9cft) height 2' 6" ( 1' 6" above GL and 1' below GL) in CC 1:2:4 using 12 mm BHG metal & curing for 5 days	No	4	676.37	2,705.48
16	Earthing for support coil type	No	4	166.00	664.00
17	GI barbed wire anti climbing device 2 kg per support	Kg	8	80.00	640.00
18	Red oxide paint	Ltr	4	150.00	600.00
19	Aluminium paint	Ltr	4	200.00	800.00
20	Black paint	Ltr	2	220.00	440.00
21	MS Nut, Bolt & washers Of different sizes	kg	12	71.00	852.00
22	Sundries for survey, PVC tape, Ampire tap, Danger Board, Small size nut & bolt preparation of drawing al, socket etc	Ls	0.25	8300.00	2,075.00
23	AB cable 3x50+1x35+1x16 sqmm	KM	0.31	130000.00	40,300.00
24	Concrete slab for base plate size 2ftx2ftx2" thickness for each PSC Pole	No	7	485.10	3,395.70
25	LT stay set complete	Set	5	520.00	2,600.00
26	LT stay set Insulator	No	5	30.00	150.00
27	LT stay clamp	Pair	5	110.00	550.00
28	7/12 SWG GI stay wire	No	50	75.00	3,750.00

29	Fixing stay set with 0.5 cum cement concret foundation 1:3:6 size (900mmx60mmx900mm) using 4 cm size BHG metal with all labour and material except stay set, stay wire, stay insulator.	No.	5	2315.15	11,575.75
30	Dead end clamp	No	6	350.00	2100.00
31	Suspension clamp with I Hook	No	4	400.00	1600.00
32	Strain fittings	No	7	50.00	350.00
33	Guy grip dead end	No	6	44.30	265.80
34	nuts and bolts	Kg	5	71.00	355.00
35	Insulated piericing connector	No	3	660.00	1,980.00
36	Earthing coil	No	2	166.00	332.00
37	Sundries for survey, tree cutting ,small size nut bolt, al. Binding wire/ tape, Danger Board 4 Nos. etc	Ls	1	700.00	700.00
II. Sub total Rs					1,69,348.35
III	<p><b>Construction of 63 KVA 11/0.4 KV Pole mounted S/S over 10 mtr long 100x116mm RS joist- 1 No Installation of 100 KVA ,11/0.4 KV Plinth mounted S/S-1 No using 10 Mtr. Long 100x116 mm RS Joist Pole towards shifting of existing 1x100+1x63 KVA,11/0.4 KV S/S from inside Baghamari Police Station to out side.</b></p> <p><b>Installation of 63 KVA ,11/0.4 KV pole mounted S/S- 1 no using 10 Mtr. long 100x116 mm RS Joist Pole towards shifting of existing 1x100+1x63 KVA , 11/0.4 KV S/S from inside Baghamari Police station to outside.</b></p>				
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
38	100X50X6mm MS channel	Kg	312	65.00	20,280.00
39	75X40X6mm MS channel	Kg	270	65.00	17,550.00
40	50X50X6mm Angle	Kg	243	65.00	15,795.00
41	11 KV AB switch (400 Amp, 3 pole)	Set	3	11850.00	35,550.00
42	11 KV HG Fuse (400 Amp, 3 pole)	Set	3	11530.00	34,590.00
43	11 KV LA (12KV,10 KA)	No	9	3550.00	31,950.00
44	HT Stay Set complete	No	6	1050.00	6,300.00
45	HT stay insulator Type-C	No	6	50.00	300.00
46	HT Stay set clamp (1.9 kg/Pair)	Pair	6	125.00	750.00
47	7/10 SWG GI Saty wire	Kg	60	75.00	4,500.00
48	Earthing Device (40 mm dia 3 Mtr length GI Pipe)	No	15	1050.00	15,750.00
49	No 6 GI wire for earthing	Kg	60	75.00	4,500.00
50	40x6 mm GI flat for neutral	Kg	60	75.00	4,500.00
51	Fixing stay set with 0.5 cum cement concret foundation 1:3:6 size (900mmx60mmx900mm) using 4 cm size BHG metal with all labour and material except stay set, stay wire, stay insulator.	No.	6	2315.15	13,890.90

52	Concreting of support CC - 1:4:8 using 40 mm BHG metal size 5'x2'x2'= 20cft = 0.570cum padding 900x600x150 mm = 0.081=0651cum x 3071.25=1999.38 each cut point	No.	6	2639.18	15,835.08
53	Couping of support section 15'x15' height (3.9cft) height 2' 6" ( 1' 6" above GL and 1' below GL) in CC 1:2:4 using 12 mm BHG metal & curing for 5 days	No	6	676.37	4,058.22
54	Material for masonry work for earth pit, charcoal, salt etc including construction of earthing chamber (size: 2'x2') and RCC slab cover	No	15	2270.27	34,054.05
55	55 sqmm AAC	KM	0.12	30000.00	3,600.00
56	Red oxide paint	Ltr	6	150.00	900.00
57	Aluminium paint	Ltr	6	200.00	1,200.00
58	Black paint	Ltr	3	220.00	660.00
59	MS Nut, Bolt & conductor	kg	108	71.00	7,668.00
60	LT distribution box with MCCB Aluminium Busbar of single bay with kit kat fuse for 100 KVA S/S	No	1	24419.00	24,419.00
61	LT distribution box with MCCB Aluminium Busbar of single bay with kit kat fuse for 63 KVA S/S	No	2	18322.00	36,644.00
62	150 sqmm 3 1/2 core LT PVC cable for 100 KVA Transformer with spare	Mtr	15	504.00	7,560.00
63	95 sqmm 3 1/2 core LT PVC cable for 63 KVA Transformer with spare	Mtr	30	333.00	9,990.00
64	plinth for TFR	No	1	15840.00	15,840.00
65	Barbed Fencing (size 15'x10') with Construction of retaining wall ,erection of RCC fencing post ,sand filling, metal spreading &Iron grill gate.	No	3	41580.00	1,24,740.00
66	Sundries for survey, PVC tape, Ampire tap, Danger Board, Small size nut & bolt preparation of drawing al, socket etc	Ls	3	4092.00	12,276.00
				Sub total Rs	5,05,650.25
				A.Sub total(A+B)	6,74,998.60
				<b>B. Stock, Storage &amp; Insurance @ 3% of A</b>	<b>20,249.96</b>
				<b>Sub Total (C=A+B)</b>	<b>6,95,248.56</b>
				<b>T&amp;P @ 2% of C</b>	<b>13,904.97</b>
				<b>Contingency @ 3% of C</b>	<b>20,857.46</b>

	<b>Transportation @ 7.5% of C</b>					<b>52,143.64</b>
	<b>Erection Charges @ 5% for transformer and joist pole cost including stock, storage &amp; insurance @3%</b>					<b>69,524.86</b>
	<b>Total</b>					<b>8,51,679.48</b>
	<b>Labour Charges for Dismantalling of 1x100+1x63 KVA ,11/0.4 KV S/S-1 No. and 11 KV Line-0.15 km(3 span)</b>					
67	34 sq. mm AAA Conductor	Span	3	300.00	900.00	
68	9 Mtr. Long 100x116 mm RS Joist Pole	No	3	600.00	1,800.00	
69	11 Kv V cross Arm	No	1	30.00	30.00	
70	100X50X6mm MS channel	Pair	3	45.00	135.00	
71	75X40X6mm MS channel	Pair	2	45.00	90.00	
72	50X50X6mm Angle	Pair	2	45.00	90.00	
73	11 KV AB switch (200 Amp)	Set	1	125.00	125.00	
74	11 KV HG Fuse (200 Amp, pole)	Set	1	125.00	125.00	
75	Dismantalling & reinstallation of 100 KVA ,11/0.4 Kv Transformer	No	1	1500.00	1,500.00	
76	Dismantalling & reinstallation of 100 KVA ,11/0.4 Kv Transformer	No	1	1500.00	1,500.00	
	<b>Total</b>					<b>6,295.00</b>
						<b>12,64,818.17</b>
	<b>Cess @ 1%</b>				<b>12,648.18</b>	
	<b>Total Estimated Cost</b>					<b>12,77,466.36</b>
	<b>Total Estimated Cost in Figures.</b>					<b>12,77,466.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> Please Tick)		_____ %			
Quoted Amount in Figure						
Quoted Amount in word						

N:B- The Estimated cost is exclusive of GST @ 12%.

**Signature of Tenderer with seal**

Sd/-  
Asst. Project Manager (Elect)

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

Sd/-  
Project Manager(Elect)