

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
 [Electrical Division]  
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**PRICE BID FOR THE WORK UNDER S.L. NO - 01 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO TEMPORARY ACCOMMODATION FOR CAPF (COB) AT MUDULIPADA, MALKANGIRI IN THE DISTRICT OF MALKANGIRI.**

**BID REF NO :- 53/JM/ ELECT/OPHWC/2020-21**

<b>NAME AND ADDRESS OF THE FIRM</b>	
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**SCOPE OF WORKS**

Sl. No.	Description of work	Unit	Qty.
[A]	Construction of 11KV 3PH 3W Line using 55mm <sup>2</sup> AAC	KM	0.12
[B]	Construction of LT 3 Ph 5 W line using (3x50+1x35+1x16)mm <sup>2</sup> AB Cable	KM	1.1
[C]	Construction of 11/0.4 KV,63KVA DP mounted S/S	NO	1
[D]	Conversion of existing 11KV Line	KM	1.5
[E]	11KV Line AB Switch with DP	NO	1
[F]	Erection of Intermediate supports	NO	7

**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	RATE IN (Rs)	AMOUNT (Rs)
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**Part-A:Construction of 3P3W 11KV line with 55mm<sup>2</sup> AAAC -0.12Km**

1	11KV V Cross Arm(10.2Kg each)	Nos	2	810.00	1,620.00
2	Back Clamp for 11KV 'V' Cross Arm	Nos	2	80.00	160.00
3	11KV F-Clamp 2.9Kg each	Nos	2	240.00	480.00
4	DISC Insulator(T&C)45 KN	Nos	3	860.00	2,580.00
5	Hard Ware Fitting(T&C)45 KN	Nos	3	130.00	390.00
6	11KV Pin Insulator porcelain	Nos	9	80.00	720.00
7	11KV GI Pin	Nos	9	80.00	720.00
8	HT Stay Set (Complete)	Nos	1	1,050.00	1,050.00
9	11KV Stay insulator	No.	1	50.00	50.00
10	HT Stay Clamp(1.9Kg/Pair)	Pair	1	125.00	125.00
11	7/10 SWG Stay Wire ,Grade-2	Kg	8	75.00	600.00
12	GI Base Plate (500x500x10mm) for pole	Nos	2	1,500.00	3,000.00
13	Concrete material for stay Anchor Plate(0.45x0.45x1.5)mtr	No	1	1,270.00	1,270.00
14	Padding and concreting materials for support with cooping(0.45x0.45x1.5)mtr	Nos	3	1,460.00	4,380.00
15	Ms bolts, Nuts & Washers	Kg	4	71.00	284.00
16	Sundries(Paint,danger board,clamp,connector Anticlimbing device binding tape etc)	LS	1	500.00	500.00
17	100x50x6mm Channel for straight cross arm 1.2 Mtr each 2 nos & 0.2mtr long 2 nos@9.2Kg/mtr	Kg	25.76	65.00	1,674.40

18	9 mtr long 100x116 mm RS Joist Pole @23.0 Kg per meter,i.e 207 Kg Per Pole @ Rs.65.00Kg per Pole	Nos	2	13,455.00	26,910.00
19	55mm2 AAAC Conductor	Km	0.3708	30,000.00	11,124.00
<b>Total Cost Part-A</b>					<b>57,637.40</b>
<b>Part-B, Construction LT Line with 3X50+1X35+1X16 mm sqr AB Cable = 1.1Km</b>					
Sl. No.	Description of work	Unit	Qty.	RATE IN (Rs)	AMOUNT (Rs)
1	Stay Set complete	Set	10	520.00	5,200.00
2	7/12 SWG G.I Stay Wire ,Grade-2	Kg	70	75.00	5,250.00
3	Concrting of Stay	Nos	10	1,270.00	12,700.00
4	LT Stay Clamp(1.40Kg/Pair)	Pair	10	110.00	1,100.00
5	Stay Insulator	Nos	10	30.00	300.00
6	Dead end Clamp	Nos	15	377.71	5,665.65
7	Suspension clamp with EYE hook for ABC	Nos	20	340.00	6,800.00
8	Starin fitting	Nos	15	72.35	1,085.25
9	Saundries(Paint,Binding Tape,etc)	LS	1	1,500.00	1,500.00
10	Ms bolts, Nuts & Washers	Kg	12	71.00	852.00
11	AB Cable (3x50+1x35x1x16)mm2	Km	1.133	140,000.00	158,620.00
12	8 Mtr long 125x70mm RS Joist Pole @ 13Kg Per Pole i.e,104 Kg per Pole@65.00 Per Kg	Nos	28	6,760.00	189,280.00
<b>Total Cost Part-B</b>					<b>388,352.90</b>
<b>Part-C, Construction of 63 KVA S/S,11/0.4KV DP Mounted</b>					
Sl. No.	Description of work	Qty.	Unit	RATE IN (Rs)	AMOUNT (Rs)
1	9 mtr long 100x116 mm RS Joist Pole @23.0 Kg per meter,i.e 207 Kg Per Pole @ Rs.65.00Kg per Pole	No.	2	13,455.00	26,910.00
2	Pressure channel 100X50X6mm, 2.8mtr long 2 Nos.(9.2Kg/Mtr)	Kg	51.52	65.00	3,348.80
3	Transformer mounting channel 100X50X6mm, 2.8mtr long 2 Nos.(9.2Kg/Mtr.)	Kg	51.52	65.00	3,348.80
4	AB Switch & HG Fuse Mounting channel 75X40X6mm, 2.8mtr. Long 4 Nos. (6.8 Kg/mtr)	Kg	76.16	65.00	4,950.40
5	Transformer belting 50X50X6mm, angel 2.8 long 2 Nos. (4.5Kg/Mtr.) with side angel total (7 Mtr.)	Kg	31.5	65.00	2,047.50
6	Angel for mounting LT Distribution Box (50x50x6)mm 1.0mtr Long 2 Nos.(4.5Kg/mtr.)	Kg	9	65.00	585.00
7	DISC Insulator(T&C)45 KN	Nos	3	860.00	2,580.00
8	Hard Ware Fitting(T&C)45 KN	Nos	3	130.00	390.00
9	AB Switch (11 KV,200A,3 Pole,50HZ)	Set	1	7,350.00	7,350.00
10	HG Fuse (11 KV,200A,3 Pole,)with PI	Set	1	6,120.00	6,120.00
11	Lighting Arrestor, (12KV 10 KA)station classes	No.	3	3,550.00	10,650.00
12	LT Distribution box with MCCB,Aluminum busbar for single Bay with kitkat fuse for 63KVA S/S	No.	1	18,322.00	18,322.00
13	LT 3 1/2 core 95mm2 PVC Cable(un-armoured)	Mtr.	15	333.00	4,995.00
14	HT Stay Set (Complete)	Nos	2	1,050.00	2,100.00
15	Stay insulator	Nos	2	50.00	100.00
16	HT Stay Clamp(1.9Kg/Pair)	Pair	2	125.00	250.00
17	7/10 SWG Stay Wire ,Grade-2	Kg	20	75.00	1,500.00
18	40 mm nominal bore G.I pipe(medium gauge)earthing device with 3 mtrlong	Nos	3	1,050.00	3,150.00
19	No. 6 GI wire (Dia 4.8mm)	Kg	30	75.00	2,250.00
20	Concrete material for stay Anchor Plate(0.45x0.45x1.5)mtr	Nos	2	1,270.00	2,540.00
21	Padding and concreting materials for support (0.45x0.45x1.5)mtr	Nos	2	1,270.00	2,540.00

22	Material for masonry work for each pit, salt, charcoal etc for earthing	Nos	3	1,600.00	4,800.00
23	GI Base Plate (500x500x10mm) for PSC Pole(20Kg)	No.	2	1,500.00	3,000.00
24	Ms bolts, Nuts & Washers	Kg	25	71.00	1,775.00
25	Saundries(Aluminium, binding tape, insulating tap, fencing metal spreading, anticlimbing device, paint, danger Board etc)	LS	1	1,000.00	1,000.00
26	Fencing size 8'X12' with 10 Nos of RCC Pillar and 3 ply GI Barbed wire and grill gate and locking arrangement	LS	1	8,440.63	8,440.63
27	Sand and metal spreading	LS	1	2,532.19	2,532.19
28	63 KVA, 11/0.4KV(AI) Transformer, BIS Energy level-II	No	1	86,500.00	86,500.00
<b>Total Cost Part-C</b>					<b>214,075.32</b>

**Part-D, Conversion of 11KV 2Ph 2W Line to 11KV 3Ph 3W Line**

Sl. No.	Description of work	Qty.	Unit	RATE IN (Rs)	AMOUNT (Rs)
1	11KV F-clamp 2.9Kg each	Nos	21	240.00	5,040.00
2	DISC Insulator(T&C)45 KN Polymer	Nos	6	860.00	5,160.00
3	Hard Ware Fitting(T&C)45 KN	Nos	6	130.00	780.00
4	11KV Pin Insulator porcelain	Nos	21	80.00	1,680.00
5	11KV GI Pin	Kg	21	80.00	1,680.00
6	Ms bolts, Nuts & Washers	Kg	15	71.00	1,065.00
7	100x50x6mm Channel for straight cross arm 1.2 Mtr each 0 nos & 0.2mtr long 6 nos@9.2Kg/mtr	Kg	11.04	65.00	717.60
8	55mm <sup>2</sup> AAAC Conductor	Km	1.545	30,000.00	46,350.00
<b>Total Cost Part-D</b>					<b>62,472.60</b>

**Part-E, 11KV Line AB Switch DP Using 9 Mtr Long 100x116MM Rs Joist Pole**

Sl. No.	Description of work	Qty.	Unit	RATE IN (Rs)	AMOUNT (Rs)
1	9 mtr long 100x116 mm RS Joist Pole @23.0 Kg per meter, i.e 207 Kg Per Pole @ Rs.65.00Kg per Pole	No.	2	13,455.00	26,910.00
2	100X50X6mm, MS Channel 2.8mtr long 2 Nos. for top channel	Kg	51.52	65.00	3,348.80
3	AB Switch Mounting channel 75X40X6mm, 2.8mtr. Long 2 Nos. (6.8 Kg/mtr)	Kg	38.08	65.00	2,475.20
4	50x50x6mm MS angle 2.8mtr long 2 Nos & 3.5mtr long 2 Nos for Providing cross bracing at bottom of Dp(4.5Kg/Mtr)	Kg	56.7	65.00	3,685.50
5	DISC Insulator(T&C)45 KN Polymer	Nos	3	860.00	2,580.00
6	Hard Ware Fitting(T&C)45 KN	Nos	3	130.00	390.00
7	AB Switch (11 KV, 400A, 3 Pole, 50HZ)	Set	1	11,850.00	11,850.00
8	HT Stay Set (Complete)	Nos	2	1,050.00	2,100.00
9	Stay insulator	Nos	2	50.00	100.00
10	HT Stay Clamp(1.9Kg/Pair)	Pair	2	125.00	250.00
11	7/10 SWG Stay Wire, Grade-2	Kg	20	75.00	1,500.00
12	40 mm nominal bore G.I pipe (medium gauge) earthing device with 3 mtr long	Nos	2	1,050.00	2,100.00
13	No. 6 GI wire (Dia 4.8mm)	Nos	30	75.00	2,250.00
14	Concrete material for stay Anchor Plate	Nos	2	1,270.00	2,540.00
15	Material for masonry work for each pit, salt, charcoal etc for earthing	Nos	2	1,600.00	3,200.00
16	GI Base Plate (500x500x10mm) for PSC Pole(20Kg)	No.	2	1,500.00	3,000.00
17	Ms bolts, Nuts & Washers	Kg	10	71.00	710.00

18	Saundries(Aluminium, binding tape, insulating tap, fencing metal spreading, antilimbing device, paint, danger Board etc)	LS	1	1,000.00	1,000.00
<b>Total Cost Part-E</b>					<b>69,989.50</b>
<b>Part-F, Erection of Intermediate support(9 Mtr long 100x116 mm RS Joist Pole)</b>					
Sl. No.	Description of work	Qty.	Unit	RATE IN (Rs)	AMOUNT (Rs)
1	11KV V Cross Arm(10.2Kg each)	Nos	7	810.00	5,670.00
2	Back Clamp for 11KV 'V' Cross Arm	Nos	7	80.00	560.00
3	11KV F-clamp 2.9Kg each	Nos	7	240.00	1,680.00
4	11KV Pin Insulator porcelain	Nos	21	80.00	1,680.00
5	11KV GI Pin	Kg	21	80.00	1,680.00
6	GI Base Plate (500x500x10mm) for PSC Pole(20Kg)	Nos	7	1,500.00	10,500.00
7	Padding and concreting materials for support with cooping (0.45x0.45x1.5)mtr	Nos	7	1,460.00	10,220.00
8	Ms bolts, Nuts & Washers	Kg	10	71.00	710.00
9	9 mtr long 100x116 mm RS Joist Pole @23.0 Kg per meter, i.e 207 Kg Per Pole @ Rs.65.00Kg per Pole	Nos	7	13,455.00	94,185.00
<b>Total Cost Part-F</b>					<b>126,885.00</b>
A	<b>Total Cost(Part-A+Part-B+Part-C+Part-D+Part-E+Part-F)</b>				<b>919,412.72</b>
B	<b>Stock, storage and insurance (@3% on A)</b>				<b>27,582.38</b>
C	<b>Sub total (A+B)</b>				<b>946,995.10</b>
D	<b>T&amp;P @ 2% of 'C'</b>				<b>18,939.90</b>
E.	<b>Contingency @ 3% of 'C'</b>				<b>28,409.85</b>
G.	<b>Transportation @ 7.5% of C</b>				<b>71,024.63</b>
H.	<b>Erection Charges on Transformer and Joist Poles @ 5%</b>			<b>464,215.85</b>	<b>23,210.79</b>
I.	<b>Erection Charges of other @ 10%</b>			<b>482,779.25</b>	<b>48,277.93</b>
<b>Total Cost</b>					<b>1,136,858.21</b>
<b>Total Estimated Cost in Figures</b>					<b>1,136,858.00</b>
EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) _____%					
Quoted Amount in Figure					
Quoted Amount in word					

**N.B-The Estimate Cost is Exclusive of G.S.T i.e. @ 12%**

Signature of Tenderer with seal

Sd/-  
Asst. Project Manager (Elect)

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

Sd/-  
Joint Manager (Elect.)