

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 :- 04 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO SUDRUKUMPA POLICE STATION AT SUDRUKUMPA INTHE DISTRICT OF KANDHAMAL.

BID REF NO :- 54/JM/ELECT/OPHWC/2020-21

SCOPE OF WORKS

SL.NO	DESCRIPTION OF WORK	UNIT	QNTY	ESTIMATED COST	
				RATE IN (RS)	AMOUNT IN (RS)
SCOPE-A	I. Construction of 3 ph 3 wire 11 KV OH line using 9 Mtr. Long PSC pole - 0.25 Km				
1	300 Kg 9mtr Long PSC Pole	No.	2	3000.00	6,000.00
2	11 kv v cross Arm	No.	2	810.00	1,620.00
3	Back clamp for V cross arm	No	2	80.00	160.00
4	11 KV F clamp	No.	2	105.00	210.00
5	11 KV Disc Insulator (B & S)45 KN polymer	No.	3	290.00	870.00
6	11 KV Hard wire fittings (B & S)45 KN	No.	3	130.00	390.00
7	11 KV Pin insulator	No	6	80.00	480.00
8	11 KV GI Pin	No	6	80.00	480.00
9	Padding & Concreting materials for support with cooping(0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.)	No.	2	1270.00	2,540.00
10	Earthing of support(coil type)	No	2	166.00	332.00
11	Danger Board	No	2	80.00	160.00
12	Base plate for support	No	2	291.00	582.00
13	55 sq. mm AAA conductor	Km	0.7725	30000.00	23,175.00
14	MS Nut,Bolt & Washers	Kg	5	75.00	375.00
15	Sundries for survey, tree cutting,small size nut bolt,Allm. Binding wire /tape etc.	LS	1	500.00	500.00
A	TOTAL RS.				37,874.00
SCOPE-B	Estimate for 11KV DP mounted 400A AB switch - 1 No.				
1	300 Kg 9mtr Long PSC Pole	No.	2	3000.00	6,000.00
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long (9.2 K.g per mtr) x 2 Nos.	K.g	46	65.00	2,990.00
3	AB Switch mounting channel (75x40x6)mm2.5Mtr.long4 Nos (6.8Kg/mtr)	K.g	68	65.00	4,420.00
4	Cross Bracing Angle 50x50x6mm-3 mtr long 2 nos(4.5Kg per mtr)	Kg	27	65.00	1,755.00
5	11 KV Disc Insulator (T&C)	No.	6	290.00	1,740.00
6	11 KV Hard ware fittings (T&C)	No.	6	130.00	780.00
7	11 KV LA,(10 KA class)	No.	3	1000.00	3,000.00
8	11 KV AB switch 3pole	Set	1	11850.00	11,850.00
9	HT Stay Set complete	Set	2	1050.00	2,100.00
10	HT stay insulator	No.	2	50.00	100.00
11	Stay Clamp	Pair	2	125.00	250.00
12	7/10 SWG GI Stay Wire	Kg	20	75.00	1,500.00
13	Concrete material for stay anchor plate	No	2	1270.00	2,540.00
14	Padding & Concreting materials for support with cooping(0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.)	No.	2	1270.00	2,540.00
10	Earthing of support(coil type)	No	2	166.00	332.00

18	GI Pipe Earthing 40 dia medium gauge 2.5 mtrs. Long	No.	1	1050.00	1,050.00
20	25X6 mm GI Flat (for earthing)	K.g	11	75.00	825.00
23	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2'x2') & RCC slab cover	No	1	1722.00	1,722.00
11	Danger Board	No	2	80.00	160.00
12	Base plate for support	No	2	291.00	582.00
14	MS Nut,Bolt & Washers	Kg	10	95.00	950.00
15	Sundries for survey, tree cutting,small size nut bolt,Allm. Binding wire /tape etc.	LS	1	500.00	500.00
B	TOTAL RS.				47,686.00
SCOPE-C	Installation of 63KVA(BIS Energy Leve-II) 11/0.4KV DP mounted sub station using 9 Mtr long PSC Pole - 1 No.				
1	150x150 MM RS Joist (10 mtr long)(346 kg each)	Kg	692	65.00	44,980.00
2	Pressure Channel 100x50x6mm MS channel each 2.8 mtr long (9.2 K.g per mtr) x 2 Nos.	K.g	51.52	65.00	3,348.80
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	3,348.80
4	AB Switch & HG Fuse , mounting channel (75x40x6)mm2.8 Mtr.long4 Nos (6.8Kg/mtr)	K.g	76.16	65.00	4,950.40
5	Cantilever channel for supporting HG (75x40x6) mm 1 Mtr.long2 Nos (6.8Kg/mtr)	K.g	13.6	65.00	884.00
6	Cantilever channel for supporting HG (50x50x6) mm 2.8mtr long,2 nos(4.5Kg/Mtr)with side angle	K.g	9	65.00	585.00
7	Angle for Cantilever arrangement for AB switch and HG fuse (50x50x6) mm 2mtr long,2 nos (4.5Kg/Mtr)	K.g	18	65.00	1,170.00
8	Transformer belting angle (50x50x6) mm 2.8mtr long,2 nos(4.5Kg/Mtr)with side angle	K.g	31.5	65.00	2,047.50
9	Angle for Mounting LT distribution Box (50x50x6) mm 1mtr long,2 nos(4.5Kg/Mtr)	K.g	22.5	65.00	1,462.50
10	11 KV Disc Insulator (T&C)	No.	3	290.00	870.00
11	11 KV Hard ware fittings (T&C)	No.	3	130.00	390.00
12	11 KV AB switch 3 pole 400 A.	Set	1	11850.00	11,850.00
13	11 KV HG fuse 3 pole	Set	1	6120.00	6,120.00
14	11 KV LA	No.	3	1000.00	3,000.00
15	LT Distribution box with MCCB Box,Aluminium Busbar for 2 Bay with Kit kat fuse for 63KVA S/S	No.	1	18322.00	18,322.00
16	HT Stay Set complete	Set	2	1050.00	2,100.00
17	HT stay insulator	No.	2	50.00	100.00
18	Stay Clamp	Pair	2	125.00	250.00
19	7/10 SWG GI Stay Wire	Kg	20	75.00	1,500.00
20	GI Pipe Earthing 40 dia medium gauge 2.5 mtrs. Long	No.	3	1050.00	3,150.00
21	Earthing of support(coil type)	No	2	166.00	332.00
22	25X6 mm GI Flat (for earthing)	K.g	20	75.00	1,500.00
23	Concrete material for stay anchor plate	No	2	1270.00	2,540.00
24	Padding & Concreting materials for support with cooping(0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.)	No.	2	1270.00	2,540.00

25	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2'x2') & RCC slab cover	No	3	1723.00	5,169.00
26	Clamp Connector and Jumpering Materials	LS	1	850.00	850.00
27	63 KVA, 11/0.4 KV transformer (BIS Energy Leve-II)	No.	1	86500.00	86,500.00
28	1Cx70 mm ² (Armoured) LT XLPE Cable (From TRF to Box)	Mtr	32	87.00	2,784.00
29	1Cx70 mm ² (Un-Armoured) LT XLPE Cable (From D Box to LT Line)	Mtr	28	74.00	2,072.00
30	Socket and other Cable Accessories	LS	1	450.00	450.00
31	MS Nut,Bolt & Washers	Kg	36	75.00	2,700.00
32	Danger Board	No	2	80.00	160.00
33	RCC Base Plate	No	2	291.00	582.00
34	Barbed wire fencing and Metal spreading	LS	1	13312.00	13,312.00
35	Sundries for survey, tree cutting,small size nut bolt,Allm. Binding wire /tape etc.	LS	1	1000.00	1,000.00
C	Total				232,920.00
SCOPE-D	Construction of 3 ph 5 wire LT Line with 3x50+1x35+1x16 sq. mm2AB cable -0.72 Km				
1	200 Kg 8mtr Long PSC Pole	No.	23	2000.00	46,000.00
2	LT stay set complete	Set	8	520.00	4,160.00
3	LT stay set Insulator	No.	8	30.00	240.00
4	LT stay clamp	Pair	8	158.00	1,264.00
5	7/12 SWG GI stay wire	Kg.	64	75.00	4,800.00
6	Concrete material for stay anchor plate	No	8	1200.00	9,600.00
7	Dend end Clamp with I hook	No	8	377.00	3,016.00
8	Suspension clamp with I hook	No	15	401.00	6,015.00
9	AB Cable (3x50+1x35+1x16 mm ²)	Mtr.	0.72	140000.00	100,800.00
10	Piercing Connector	No	23	56.00	1,288.00
11	Neutral Connector	No.	23	32.00	736.00
12	Concrete material for support/pole	No	23	443.00	10,189.00
13	RCC Base Plate	No	23	291.00	6,693.00
14	MS Nut,Bolt & Washers	Kg	10	95.00	950.00
15	Sundries for survey, tree cutting,small size nut bolt,Allm. Binding wire /tape etc.	LS	1	500.00	500.00
D	Total				196,251.00
A	Total Part-A+Part-B+PartC+Part -D=A				514,731.00
B	Stock,storage and insurance (@3% on A)				15,441.93
C	TOTAL RS.(A+B=C)				530,172.93

D	T&P @ 2% of C				10,603.46
E	Contingency @ 3% of C				15,905.19
F	Transportation @ 7.5% of C				39,762.97
G	Erection charges @ 20% on PSC Pole			59740.00	11,948.00
G	Erection charges @ 5% on joist pole & DTR.			135424.40	6,771.22
G	Erection charges @ 10% on others			335008.53	33,500.85
H	Total Estimated Cost				648,664.62
I	Or Say				648,665.00
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/-
Joint Manager(Elect)