

**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 :- 03 AS PER IFB**

**NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO POLICE OUT POST BUILDING AT SUTUMSARA, BELAGUNTHA IN THE DISTRICT OF GANJAM.**

**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)
<b>SCOPE-A</b>	<b>I. Construction of 3 ph 3 wire 11 KV OH line using 10 Mtr. Long 300 Kg PSC pole with 35 sq. mm XLPE Cable - 0.06 Km</b>				
1	300 Kg 10mtr Long PSC Pole	No.	1	4500.00	4,500.00
2	100x50x6mm channel for straight cross arm 1.2 mtr each 1 no & 0.2 mtr long 1 No for tapping point .	K.g	22.08	65.00	1,435.20
3	3*35mm <sup>2</sup> 11KV XLPE Cable(including Spare)	Mtr.	120	359.00	43,080.00
4	Heat shrinkable jointing kit(out door type)	No.	4	9416.00	37,664.00
5	Supporting clamp for XLPE Cable	No.	80	107.14	8,571.20
6	Supporting Stay wire for XLPE Cable	No.	20	75.00	1,500.00
7	Suspension clamp with I hook	No	2	340.00	680.00
8	Pole clamp for I hook	No	1	200.00	200.00
9	11 KV LA(10 KA class)	No.	3	1000.00	3,000.00
10	Earthing Device and Pit	No	1	1050.00	1,050.00
11	25X6 mm GI Flat ( for earthing)	K.g	10	75.00	750.00
12	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2'x2') & RCC slab cover	No	1	1595.66	1,595.66
13	11KV 1Core100mm <sup>2</sup> XLPE insulated AAA Conductor(Unarmoured)	Km	0	90000.00	-
14	Nut,Bolt & Washers	Kg	1	71.00	71.00
15	Earthing of support(coil type)	No	1	166.00	166.00
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	Cement Cocncreting of stay Anchor plate C.C 1:3:6 size by using 4 cm size hard granite metal=0.45x0.45x1.5 Mtr.=0.3037cum.	No.	2	1270.00	2,540.00
21	Cement Cocncreting for support with C.C 1:3:6 size by using 4 cm size hard granite metal=0.5x0.5x1 Mtr.	No.	1	1270.00	1,270.00

22	Sundries(paint,danger board,insulating tape, anticlimbing device,clamp connector, jumpering materials,Al. binding tape & wire, socket & other cable accessories etc.)	Ls	1	250.00	250.00
A	TOTAL RS.				<b>112,273.06</b>
<b>SCOPE-B</b>	<b>Installation of DP with AB Switch with HG Fuse using 9 Mtr long PSC Pole - 1 No.</b>				
1	9 Mtr.long 300 KG 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	51.52	65.00	3,348.80
3	AB Switch & HG Fuse , mounting channel (75x40x6)mm2.8 Mtr.long4 Nos (6.8Kg/mtr)	K.g	76.16	65.00	4,950.40
4	75x40x6 mm MS Channel 2.8 Mtr.long 2 Nos Supporting Cross Bracing at bottom of DP	K.g	38.08	65.00	2,475.20
5	50x50x6 mm MS Angle 3.6 mtr long 2 nos for providing cross bracing atbottom of DP(4.5Kg/Mtr)	K.g	32.4	65.00	2,106.00
6	11 KV AB switch 3 pole 400 A.	Set	1	11850.00	11,850.00
7	11 KV HG fuse 3 pole 200 A. with PI	Set	1	6120.00	6,120.00
8	11 KV Disc Insulator (T&C)	No.	6	290.00	1,740.00
9	11 KV Hard ware fittings (T&C)	No.	6	130.00	780.00
10	HT Stay Set complete	Set	2	1050.00	2,100.00
11	HT stay insulator	No.	2	50.00	100.00
12	Stay Clamp	Pair	2	125.00	250.00
13	7/10 SWG GI Stay Wire	Kg	20	75.00	1,500.00
14	GI Pipe Earthing 40 dia medium gauge 2.5 mtrs. Long	No.	2	1050.00	2,100.00
15	Earthing of support(coil type)	No	2	166.00	332.00
16	GI Flat(25x6) mm@ 1.2 Kg/Mtr	Kg	25	75.00	1,875.00
17	Concrete material for stay anchor plate	No	2	1270.00	2,540.00
18	Padding & Concreting materials for support with cooping(0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.)	No.	2	1270.00	2,540.00
19	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2'x2') & RCC slab cover	No	2	1595.66	3,191.32
20	MS Nut,Bolt & Washers	Kg	5	71.00	355.00
21	Sundries for survey, tree cutting,small size nut bolt,Allm. Binding wire /tape etc.	LS	1	500.00	500.00
<b>B</b>	Total				<b>56,753.72</b>
<b>SCOPE-C</b>	<b>Construction of LT Line using 3ph4w (3x35+1x25)and 8 mtr long 200 Kg PSC Pole - 0.4 Km</b>				
1	8 Mtr.long 200 KG PSC pole	No	10	2000.00	20,000.00
2	AB Cable (3x35+1x25 mm <sup>2</sup> )	Mtr.	0.4	108000.00	43,200.00
3	Suspension clamp with I hook	No	6	340.00	2,040.00
4	Dead End clamp	No	4	65.00	260.00

5	Eye hook	No	4	60.00	240.00
6	Pole clamp with I hook	Pair	10	200.00	2,000.00
7	LT stay set complete	Set	3	520.00	1,560.00
8	LT stay set Insulator	No.	3	30.00	90.00
9	LT stay clamp	Pair	3	110.00	330.00
10	7/12 SWG GI stay wire	Kg.	24	75.00	1,800.00
11	Cement Concreting of stay	No.	3	694.10	2,082.30
12	Concrete Slab for base place size 2ft x 2ft x2" thickness for each PSC Pole	No	10	443.00	4,430.00
13	Sundries	LS	1	250.00	250.00
C	Total				<b>78,282.30</b>
<b>SCOPE-D</b>	<b>Installation of 25 KVA( BIS Energy Leve-II ) 11/0.4KV DP mounted sub station using 9 Mtr long PSC Pole - 1 No.</b>				
1	9 Mtr.long 300 KG PSC pole	No	2	3000.00	6,000.00
2	25 KVA, 11/0.4 KV transformer (BIS Energy Leve-II )	No.	1	53800.00	53,800.00
3	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
4	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
5	AB Switch & HG Fuse , mounting channel (75x40x6)mm2.8 Mtr.long4 Nos (6.8Kg/mtr)	K.g	76.16	65.00	4,950.40
6	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
7	Angle for Mounting LT distribution Box (50x50x6) mm 1mtr long,2 nos(4.5Kg/Mtr)	K.g	13.5	65.00	877.50
8	11 KV Disc Insulator (T&C)	No.	3	290.00	870.00
9	11 KV Hard ware fittings (T&C)	No.	3	130.00	390.00
10	11 KV AB switch 3 pole 200 A.	Set	1	7350.00	7,350.00
11	11 KV HG fuse 3 pole	Set	1	6120.00	6,120.00
12	11 KV LA(12Kv,10 KA class)	No.	3	3550.00	10,650.00
13	LT Distribution box with MCCB Box,Aluminium Busbar for 2 Bay with Kit kat fuse for 25 KVA S/S	No.	1	14930.00	14,930.00
14	HT Stay Set complete	Set	2	1050.00	2,100.00
15	HT stay insulator	No.	2	50.00	100.00
16	Stay Clamp	Pair	2	125.00	250.00
17	7/10 SWG GI Stay Wire	Kg	16	75.00	1,200.00
18	GI Pipe Earthing 40 dia medium gauge 2.5 mtrs. Long	No.	3	1050.00	3,150.00
19	Earthing of support(coil type)	No	2	166.00	332.00
20	25X6 mm GI Flat ( for earthing)	K.g	30	75.00	2,250.00

21	Concrete material for stay anchor plate	No	2	1270.00	2,540.00
22	Padding & Concreting materials for support with cooping(0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.)	No.	2	1270.00	2,540.00
23	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2'x2') & RCC slab cover	No	3	1500.00	4,500.00
24	MS Nut,Bolt & Washers	Kg	25	71.00	1,775.00
25	55sq. Mm AAA Conductor for Jumpering	Km	0.06	30000.00	1,800.00
26	LT 3.5 core PVC cable 50sq. mm	Mtr.	15	203.00	3,045.00
27	Sundries for survey, tree cutting,small size nut bolt,Allm. Binding wire /tape etc.	LS	1	250.00	250.00
D	Total				<b>140,515.00</b>
	Total Part-A+Part-B+PartC+PartD=A				387,824.08
A	Total				387,824.08
B	Stock,storage and insurance (@3% on A)				11,634.72
C	TOTAL RS.(A+B=C)				<b>399,458.80</b>
D	T&P @ 2% of C				7,989.18
E	Contingency @ 3% of C				11,983.76
F	Transportation @ 7.5% of C				29,959.41
G	Erection charges @ 5% on Transformers			55414.00	2,770.70
H	Erection charges @ 20% on PSC pole			37595.00	7,519.00
I	Erection charges @ 10% on others			306449.80	30,644.98
J	Total Estimated Cost				490,325.83
29	Fencing Sand and metal spreading 1) RCC pillar of 6ft long 20Couping of pillar with C.C.1:3:6 using 40 mm HBG Metalsize. 3) GI barbed wire @ 6.044 mtr/Kg 6 nos run=40ftx6=240ft=73.152mtr=12.10Kg 4) MS Grill gate 1.5 mtr (h)x1.5 mtr(w),made of 35x35x6mm Angle and 25x6 mm flat.(Angle for outside boarder with horizontal and vertical crossing for i)35x35x6mm MS Angle=1.5mtrx4=6mtr@3kg/mtr=18kg ii)25x6mm flat =1.5mtrx8x2=24mtr@1.2Kg/Mtr=28.8Kg iii)Painting of gate with 2 coat. 5)Filling sand @!1359 Cmt. 6)40mm size HBG metal@0.679 Cmt	Ls	1	16796.42	16,796.42
	Total Estimated Cost				507,122.25

	Or Say				507,122.00
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)**

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