

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail: jmelectricalophwc@gmail.com, Website: www.ophwc.nic.in****PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB****NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO FORTIFIED POLICE STATION AT AMPANI IN THE DISTRICT OF KALAHANDI.****BID REF NO.- 50/JM/ELECT/OPHWC/2020-21**

NAME & ADDRESS OF THE FIRM	

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Remarks	
1	Construction of 100 KVA ,11/.04 KV DP mounted Substation(Star-1,BIS/EEL-2)	No	1		
2	11 KV Line with 3 Phage 3Wire 55 mmsq AAAC on 9Mtr. Long 300 PSC Pole with double disc arrangement (60 mtr Span)	Km	0.06		
3	3 Ph 5w LT line on 8M X 200 Kg PSC Pole with 50 sqmm AB Cable	km	0.3		
4	1 Ph 2w LT line on 8Mx200 Kg PSC Pole with 35 sqmm AB Cable	km	0.5		
5	3Ph 3W 11KV Single pole Cut Point with 9mtr,300kg ,PSC Pole and double disc arrangement.	No	1		

Sl. No.	Description of materials	Unit	Qty.	RATE (RS)	AMOUNT (RS)
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part-A

1	Construction of 100 KVA,11/.04 KV Sub-station	No	1	117000.0	117,000.00
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part-B

1	Support PSC Pole 09 mtr,300kg	No	4	3000.0	12,000.00
2	Support PSC Pole 08 mtr,200kg	No	27	2000.0	54,000.00

SUB TOTAL MATERIAL COST IN RS**66,000.00****Part-C****Construction of 100 KVA,11/.04 KV DP Mounted Sub-station -1 No**

1	Top Pressure Channel 100x50x6mm channel each 2.8 mtr long 2 Nos. (9.2 K.g per mtr)	Kg	51.52	65.00	3,348.80
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2	Transformer mounting channel 100x50x6mm channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos	Kg	51.52	65.00	3,348.80
3	AB switch & HG Fuse,Mounting Channel (75x40x6)-2.8mtr long 4 nos(6.8 k.g per mtr)	Kg	76.16	65.00	4,950.40
4	Cantilever Channel for supporting AB Switch HG Fuse arm(75x40x6)-1.5mtr long 4 nos(6.8 k.g per mtr)	Kg	40.8	65.00	2,652.00
5	Angel for Cantilever arrangement for AB Switch HG Fuse -50x50x6 mm -1.5 mtrs each Long 4Nos. (4.5 Kg per mtr)	Kg	31.5	65.00	2,047.50
6	75x40x6mm Channel 1.5mtr long 1no (6.8 k.g per mtr)for supporting AB Switch handel	Kg	10.2	65.00	663.00
7	Transformer belting Angle 50x50x6mm- 2.8 mtr long 2 nos(4.5Kg per mtr)with side angle(Total 7 mtr)	Kg	31.5	65.00	2,047.50
8	11 KV Disc insulator (T & C)	No.	6	300.00	1,800.00
9	11 KV Hard ware fittings (T & C)	No.	3	130.00	390.00
10	11KV AB switch 3 pole(400 Amp)	Set	1	11850.00	11,850.00
11	11KV HG fuse 3 pole(400 Amp)	Set	1	11530.00	11,530.00
12	12KV 5KA LA	No.	3	2250.00	6,750.00
13	HT stay set (Complete)	No.	2	1050.00	2,100.00
14	11 KV stay Insulator	No.	2	50.00	100.00
15	Side Stay clamp	pair	2	125.00	250.00
16	GI Pipe earthing 40 mm Dia Medium gauge 2.5 mtrs long	No.	3	1050.00	3,150.00
17	Earthing support Coil Type	No.	2	166.00	332.00
18	G.I Nut,bolt & Washer	Kg	30	78.00	2,340.00
19	Clamp for bracing Channel	Kg	6	130.00	780.00
20	No-6 GI wire for earthing	Kg	15	75.00	1,125.00
21	7/10 SWG Stay Wire	Kg	20	75.00	1,500.00
22	Concrete material for stay Anchor Plate	No	2	381.36	762.71

23	Padding & Concreting material for support	No	2	550.85	1,101.69
24	Materials for earthing including Massionary work for earth Pit,	No.	1	1050.00	1,050.00
25	Charcoal, Salt etc for earthing	No.	1	166.00	166.00
26	LT Distribution box including MCCB and busbar arrangement.	No	1	24419.00	24,419.00
27	LT 3.5 PVC Cable 50sqmm for 100 KVA S/S	Mtr.	9	333.00	2,997.00
28	Socket ,Cable & other assesories	Ls	1	338.98	338.98
29	Sundries (Paint,Danger Board,Aluminium binding tape,insulating tape,Anticlimbing device,clamp connector,jumpering materials,socket & other cable accessories, etc)	LS	1	847.46	847.46
	SUB TOTAL MATERIAL COST IN RS				94,737.85

PART-D

ASSESORIES FOR 3-PH 3 WIRE 11KV LINE WITH 9MTR X 300 KG PSC POLE FOR PIN POINT AND CUT POINTS WITH DOUBLE DISC ARRANGEMENT FOR 55SQMM AAAC (80Mtr Span)-0.06 KM

1	55 sq. mm AAA conductor	Km	0.185	30000.00	5,550.00
2	11 kv v cross Arm	No.	1	810.00	810.00
3	Back clamp for V cross arm	No	1	80.00	80.00
4	11 KV F clamp	No.	1	240.00	240.00
5	11 KV Disc Insulator (B & S)	No.	2	300.00	600.00
6	11 KV Hard wire fittings (B & S)	No.	1	130.00	130.00
7	11 KV Pin insulator	No	3	80.00	240.00
8	11 KV GI Pin	No	3	80.00	240.00
9	HT Stay Set complete	Set	1	1050.00	1,050.00
10	HT stay insulator	No.	1	50.00	50.00
11	Stay Clamp	Pair	1	125.00	125.00
12	7/10 SWG GI Stay Wire	Kg	6	75.00	450.00

13	Earthing of support(coil type)	No	1	166.00	166.00
15	GI Nut,Bolt & Washers	Kg	2	78.00	156.00
16	75x40x6mm MS channel 1.5 mtr long 4 Nos & 0.3 mtr long 4 Nos for providing support for guarding across 2 Nos road crossing @ 6.8 Kg/mtr	K.g	5.88	65.00	382.20
17	Cement Concreting 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.	1	381.36	381.36
18	Padding & Concreting materials for support with cooping(0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.)	No.	1	550.85	550.85
19	Sundries(paint,danger board,insulating tape, anticlimbing device,clamp connector, jumpering materials,Al. binding tape & wire, socket & other cable accessories etc.)	Rs	1	1271.19	1,271.19
	SUB TOTAL MATERIAL COST IN RS				12,472.59

PART-E

	3Ph 5 W LT line on 8M X 200 Kg PSC Pole With 50 sqmm AB Cable-0.3 KM				
1	Arial bunch Conductor (ABC)with 3x50mmsq.(for phase)+1x35 mm sq.(Neutral)and16 mm ² street light point phase over head line (30 mtr.span)	Km	0.318	140000.00	44,520.00
2	pole clamp for AB cable	Pair	10	180.74	1,807.37
3	Dead end Clamp (for ABC)	Nos.	1	58.04	58.04
4	Eye hook for AB cable	Nos.	10	51.27	512.71
5	suspension clamp	Nos.	10	71.76	717.63
6	Neutral connector Type B	Nos.	6	71.76	430.58
7	LT Stay set	Nos.	2	520.00	1,040.00
8	7/12 SWG Stay wire	kg	14	75.00	1,050.00
9	LT Stay Clamp	Pair	2	110.00	220.00
10	LT Stay Insulator	Nos.	2	30.00	60.00
11	Earthing Coil	Nos.	10	166.00	1,660.00
12	No-8 G.I wire for earthing	kg	5	75.00	375.00

13	G.I Nut,bolt & Washer	kg	5	78.00	390.00
14	Piercing connector	Nos.	6	72.92	437.54
15	Concrete material for stay Anchor Plate	Nos.	2	381.36	762.71
16	Padding & Concreting material for support	Nos.	10	550.85	5,508.47
	SUB TOTAL MATERIAL COST IN RS				59,550.06

PART-F

1Ph 2 W LT line on 8M X 200 Kg PSC Pole With 35 sqmm AB Cable-0.5 KM

1	Arial bunch Conductor (ABC)with 1x35mmsq.(for phase)+1x25 mm sq.(Neutral) (30 mtr.span)	Km	0.53	42000.00	22,260.00
2	pole clamp for AB cable	Pair	17	180.74	3,072.53
3	Dead end Clamp (for ABC)	Nos.	2	58.04	116.08
4	Eye hook for AB cable	Nos.	17	51.27	871.61
5	suspension clamp	Nos.	17	71.76	1,219.97
6	Neutra connector Type B	Nos.	10	71.76	717.63
7	LT Stay set	Nos.	4	520.00	2,080.00
8	7/12 SWG Stay wire	kg	24	75.00	1,800.00
9	LT Stay Clamp	Pair	4	110.00	440.00
10	LT Stay Insulator	Nos.	4	30.00	120.00
11	Earthing Coil	Nos.	17	166.00	2,822.00
12	No-8 G.I wire for earthing	kg	9	75.00	675.00
13	G.I Nut,bolt & Washer	kg	8	78.00	624.00
14	Piercing connector	Nos.	10	72.92	729.24
15	Concrete material for stay Anchor Plate	Nos.	4	381.36	1,525.42
16	Padding & Concreting material for support	Nos.	17	550.85	9,364.41
	SUB TOTAL MATERIAL COST IN RS				48,437.89

PART-G

ASSESORIES FOR 11KV SINGLE POLE CUT POINT ON 9M X 300 KG PSC POLE WITH WITH DOUBLE DISC ARRANGEMENT -01 NOS

1	75 X40X6mm Channel For Straight cross Arm (1.2 mtr X 4nos)	Kg	32.64	65.00	2,121.60
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2	11 KV Disc Insulator (B & S)	No.	12	300.00	3,600.00
3	11 KV Hard wire fittings (B & S)	No.	6	130.00	780.00
4	11 KV Pin insulator	No	3	80.00	240.00
5	11 KV GI Pin	No	3	80.00	240.00
6	HT Stay Set complete	Set	4	1050.00	4,200.00
7	HT stay insulator	No.	4	50.00	200.00
8	Stay Clamp	Pair	4	125.00	500.00
9	7/10 SWG GI Stay Wire	Kg	40	75.00	3,000.00
10	GI Nut,Bolt & Washers	Kg	5	78.00	390.00
11	Cement Concreting 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.	4	381.36	1,525.42
12	Padding & Concreting materials for support with cooping(0.45 Mtr.x 0.45 Mtr.x1.5 Mtr.)	No.	1	550.85	550.85
13	Earthing of support(Coil type)	No	1	166.00	166.00
	SUB TOTAL MATERIAL COST IN RS				17,513.87
A	TOTAL MATERIAL COST (A+B+C+D+E+F+G) IN RS				415,712.26
B	Stock,storage and insurance (@3% on A)				12,471.37
C	TOTAL RS.				428,183.63
D	T&P @ 2% of C				8,563.67
E	Contingency @ 3% of C				12,845.51
F	Transportation @ 7.5% of C				32,113.77
G	Erection Charges for PSC Pole @ 20%		20%	67980.00	13596.00
H	Erection Charges of DTR and Joist Poles @ 5%		5%	120510.00	6025.50
I	Erection Charges of other @ 10%		10%	234038.93	23403.89
J	Total Estimated Cost				524731.97
	PART -H				
1	Fencing of barbed wire & Metal gate as per WESCO norms	No	1	14525.42	₹ 14,525.42
2	Metal spreading as per WESCO norms	No	1	8474.58	₹ 8,474.58
3	Construction of Plinth as per WESCO norms	No	1	11016.95	₹ 11,016.95
	Total Rs.				558,748.92

Or say				558,749.00
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)**