

Panchayat Samiti Office, Lakhanpur

Electrification of Katujor Pada Colony , Pipilimal GP, Dist-Jharsuguda

	Name of Item	Qty	Unit
Scope of work:-	11/0.4 KV, 100 KVA S/S with 11 mt RS Joist pole	1	No
	11 KV line with 100 sq mm AAAC with 11 mt RSJ pole including 1 no. cut point	0.05	Ckm
	LT line 3 ph 5 wr with 95 sq mm AB cable over 9 mtr PSC pole	1	km

ESTIMATE (Pole, Transformer & Other Material)

SL NO	DESCRIPTION of Work	Unit	Qty	Rate	Gross Amount	Net Amount
PART-A Cost of PSC Pole						
A	9 mtr long X 300 Kg. PSC Pole	Nos.	32	4080.00	130560.00	
PART-B Cost of Joist Pole						
1	Cost of 11 mtr 150x150mm RS Joist (GI) Pole	Nos	3	38821.2	116463.6	
2	100 KVA, 11/0.4 KV Trf.	Nos.	1	159120.00	159120.00	
B	Sub Total B				275583.60	
PART-C Cost of Common Materials						
Common Materials for 11 Kv line						
1	100 sqmm AAAC	Km	0.158	74800.00	11781.00	
2	11 KV V- Cross Arm (GI) (10.2 Kg each)	No	1	1244.4	1244.40	
3	MS Channel 75x40x5 mm GI	Kg	20	102.00	2080.80	
4	11 KV F Clamp 2.9 Kg. each	No	1	326.40	326.40	
5	Fish Plate	Kg	4	88.40	353.60	
6	11KV Pin Insulator, Polymer	No	3	272.00	816.00	
7	11 KV Polymer Disc Insulator B&S (70 KN)	Nos.	3	1564.00	4692.00	
8	11 KVHW fitting for Disc (70KN)	Nos.	3	476.00	1428.00	
9	PG Clamp for 100sqmm AAAC	Nos.	3	788.80	2366.40	
10	HT Stay set complete	No	2	1428.00	2856.00	
11	HT Stay Insulator	No	2	68.00	136.00	
12	HT Stay Clamp	Pair	2	170.00	340.00	
13	7/10 SWG GI wire for stay	Kg	11	102.00	1122.00	
14	No 8 GI wire for earthing	Kg	12	102.00	1224.00	
15	Earthing of support (Coil Type)	No	1	225.76	225.76	
16	GI Nuts Bolt & Washer	Kg	2	106.08	212.16	

17	GI Barbered wire for anticlimbing	Kg	2	108.80	217.60
18	Danger Plate	No	1	108.80	108.80
C1	Sub Total				31530.92
	Common Materials for Sub-Stations				
19	GI Channel 100x50x6mm	Kg.	51	102.00	5202.00
20	GI Channel 75x40x6mm	Kg.	152	102.00	15504.00
21	GI Angle 50x50x6mm	Kg.	27	102.00	2754.00
22	Fish Plate	Kg	4	102.00	408.00
23	11 KV Polymer Disc Insulator B&S (70 KN)	Nos.	3	1564.00	4692.00
24	11 KVH/W fitting for Disc (70KN)	Nos.	3	476.00	1428.00
25	PG Clamp for 100sqmm AAAC	Nos.	3	788.80	2366.40
26	GI Flat 50x6mm	Kg	42.48	102.58	4357.44
27	GI Flat 25x6 mm	Kg	75	102.58	7693.22
28	11KV A/B Switch (400 A,3 pole, Hz type)	Set	1	16116.00	16116.00
29	11KV DD Fuse 3pole	Set	1	6396.58	6396.58
30	DD Fuse Link Unit(20A)	Nos.	3	150.96	452.88
31	11KV Lightning Arrestor	No.	3	4828.00	14484.00
32	Conductor AAAC 100 sqmm	Km.	0.02	74800.00	1496.00
33	H.T.Stay set complete	No.	2	1428.00	2856.00
34	HT Stay Insulator	No.	2	68.00	136.00
35	HT Stay Clamp	Pair	2	170.00	340.00
36	7/10 SWG Staywire	Kg.	14.07	102.00	1435.14
37	40mm nominal bore GI pipe (medium gauge) earthing device	No.	6	1428.00	8568.00
38	Earthing of support(Coil type)	Nos.	1	225.76	225.76
39	Pipe HDPE(25mm)	Mtr.	6	54.40	326.40
40	Pipe GI(110mm)	Mtr.	12	680.00	8160.00
41	1Cx185sqmm LT XLPE Cable (Armoured)	Mtr.	80	1351.63	108130.46
42	Gland for arm(1Cx185sqmm XLPE Cable)	Mtr.	8	519.52	4156.16
43	Dist Box with TP MCCB	Nos.	1	33209.84	33209.84
44	Al Cable Socket 240 mm	Nos.	16	61.20	979.20
45	GI Bolts, Nuts & Washers	Kg.	25	106.08	2652.00
46	GI Barbered wire for Anticlimbing	Kg.	6	108.80	652.80

47	Danger Plate	Nos.	3	108.80	326.40
48	Fabrication, Galvalisation	Kg.	230	13.60	3128.00
C2	Sub Total				258632.68
	Common Materials for LT Line	C			
49	95sqmm AB Cable for LT line	Km.	1.05	330480.00	347004.00
50	Pole Clamp for AB Cable	Pair	32	272.00	8808.62
51	Dead end Clamp (For ABC)	Nos.	6	88.40	530.40
52	Suspension Clamp	Nos.	26	462.40	12200.25
53	Eye Hook for AB Cable	Nos.	32	81.60	2642.58
54	Piercing Connector	Nos.	27	108.80	2937.60
55	Neutral Connector Type B	Nos.	9	44.88	403.92
56	LT Stay Set	Nos.	8	707.20	5657.60
57	7/12SWG Stay wire	Kg.	72	102.00	7344.00
58	LT Stay Clamp (1.40 Kg./Pair)	Pair	8	149.60	1196.80
59	LT Stay Insulator	Nos.	8	40.80	326.40
60	Earthing Coil	Nos.	32	225.76	7311.15
61	No.8G.I.wire for earthing	Kg.	65	102.00	6630.00
62	G.I. Nut & Bolts(Assorted size)	Kg.	10	106.08	1060.80
63	Service Connection Distribution box (8 way)	Nos.	9	5440.00	48960.00
64	4C X 25sqmm LT PVC Cable	Mtr.	36	243.44	8763.84
C3	Sub Total				461777.96
	Sub Total (A+B+C)				1158085.15
i	Stock,Storage & Insurance@3% of (A+B)				34742.55
	Sub Total (C)				1192827.71
i	T&P @ 2% of C				23856.55
ii	Contigency @ 3% of C				35784.83
iii	Transportation @ 7.5% Of C				89462.08
iv	Erection Charges for PSC pole @ 20%				6723.84
v	Erection Charges of Transformer/Breaker/Joist Pole @5%				14192.56
vi	Erection Charges for other material for line & S/S @10%				77449.98
	Sub Total (D)				1440297.55
1	Concrete materials for stay anchor plate.	No	12	1728.81	20745.76

2	Cupping of pole (Including supply of materials)	No	35	2968.88	103910.80
1	Plinth for Trf.	No.	1	95000.00	95000.00
2	Cost of fencing	No	1	72000.00	72000.00
5	Earthing pit for Pipe Earthing	No.	6	3870.77	23224.62
6	Concreting Base for MCCB	No.	1	2968.95	2968.95
	Sub Total (E)				317850.13
	Total (F=D+E)				1758147.68
				Or say	1758147.00

Rupees seventeen lakhs fifty eight thousand one hundred forty seven only


JE/AE/GPTA
Lakhanpur Block

My/our quoted rate is % (both in figures and words) excess over / less than / equal to the above estimated cost.


Block Development Officer
Lakhanpur

NOTES :-

1. The contractor should not write anything excepting quoting of percentage and in any case anything else regarding tender rate is mentioned, the tender is liable for rejection.
2. Percentage quoted by the tenderer shall be accurately filled in words and in figures..
3. Strike out which is not applicable. If the tenderer quotes the percentage without mentioning excess or less, it will be considered as excess.
4. Percentage should be quoted up to (one) digit after the decimal point. If the tenderer writes more than 1 digit after decimal, than the first digit will only be considered without rounding off.
5. Rate of all items are inclusive of cost, carriage, royalty, cess and other taxes of materials.

Signature of Tenderer

No. of corrections.....

No. of Over writings.....

No. of Interpolations.....