

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]**

Ph: 0674-2541545, 2542921, Fax: 0674-2541543

E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in

PRICE BID FOR THE WORK UNDER SL. NO :- 04 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO NUAGAON BUS STAND UNDER BALIKUDA BLOCK IN THE DISTRICT OF JAGATSINGHPUR.

BID REF NO :- 11/PM/ELECT/OPHWC/2024-25

NAME & ADDRESS OF THE FIRM	
---------------------------------------	--

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	CONSTRUCTION OF 33 KV LINE OF LENGTH 0.45 KM .				
A	33 KV DP WITH ISOLATOR				
1	WPB (GI) Pole 160x152 (13Mtr. Long, 30.44KG/Mtr.)	No.	2	34322.00	68644.00
2	Top Channel 100X50X6mm, 9.56 KG/Mtr., each channel length 3.25 mtr., 2 no's channel required =(2x9.56x3.25)	Kg	62.14	97.5	6058.65
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	Kg	3.965	97.5	386.59
4	Double Pole Belting Channel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 1.96 Mtr., 5 no's channel required =(5x7.14x1.96)	Set	69.972	97.5	6822.27
5	50x50x6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 3.432 mtr., 4 nos angle required = (4*4.5*3.432)	No.	61.776	97.5	6023.16
6	Danger Plate, 2 no's.	No.	2	104.00	208.00
7	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 2 no's = (2x0.59x0.510)	No	0.602	97.50	58.70
8	H.T. Stay clamp, 50x8 mm. flat, 3.14Kg/Mtr., 0.511 Mtr. Length, 2 no's qty. required (1 Pair)	No	2	162.50	325.00
9	H.T. Stay set (Complete)	Pair	2	1365.00	2730.00
10	H.T. Stay Insulator Type-C (2 No's.)	Set	4	65.00	260.00
11	7/8 SWG Stay Wire 15kg /stay	No.	30	97.50	2925.00
12	Gi Pipe Earthing 40mm. 3 Mtr. Long	EA	1	1365.00	1365.00
13	50x6mm GI Flat for earthing, 2.36kg/mtr., (2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 5x2.36	Kg	11.8	97.50	1150.50
14	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	6	104.00	624.00
15	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 8 no's = (8x0.59x0.510)	Kg	2.4072	97.50	234.70
16	33KV pin insulator polymer	Set	3	624.00	1872.00
17	H W fitting(B&S) 90KN,4 Bolt	No.	6	650.00	3900.00

18	Disc insulator (B&S) 90 KN polymer	No.	6	1495.00	8970.00
19	Wedge connector for 100 sq. mm AAA Conductor	EA	6	130.95	785.70
20	Polycarbonate Bird Guard	EA	9	29.40	264.60
21	GI Nut , Bolt & Washer of different sizes (12.261 Kg each DP without Isolator)	Kg	12.261	101.40	1243.27
22	Black Paint	Pair	1	286.00	286.00
23	Yellow Colour Paint for Background	Set	2	216.00	432.00
A	A. Sub total				1,15,569.13
B	B. Stock, Storage & Insurance @ 3% of A				3,467.07
C	Sub Total (C=A+B)				1,19,036.20
D	T&P @ 2% of C				2,224.06
E	Contingency @ 3% of C				3,571.09
F	Transportation @ 7.5% of C				8,927.72
G	Erection Charges @ 5% on poles				3,535.17
H	Erection Charges @ 10%				4,049.97
I	Total				1,41,344.21
24	Fixing of 33KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5) Stay clamps with Nuts & bolts, including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	EA	2	2250.00	4500.00
25	Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr	Cu.mtr	1.1	6500.00	7150.00
26	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	0.225	6500.00	1462.50
27	Construction Earthing chamber including installation of earthing pipe.Making earthing chamber including excavation , soil treatment with bentonide powder , calculation of earth resistance, including Installation of 3Mtr GI Pipe 40mm/50mm including welding of GI flat around pipe .	No.	1	3700.00	3700.00
	Total Material + Services Cost				1,58,156.71
B	33 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB (GI) Pole 160x152 (13Mtr. Long, 30.44KG/Mtr.)	No.	1	34322.00	34322.00
2	Straight Cross Arm Channel 100 x 50 x 6 mm, 9.56 KG/mtr, each channel length 1.7 Mtr., 4 No's of Channel = (4x 9.56x1.7)	Kg	65.008	97.5	6338.28
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required = (16x2.36x0.280)	Kg	10.5729	97.5	1030.86
4	Straight Cross Arm Top Channel 100 x 50 x 6 mm, 9.56 KG/mtr, each channel length 0.306 Mtr., 4 No's of Channel = (4x 9.56x0.306)	Set	11.70144	97.5	1140.89
5	Danger Plate, 1 no's.	No.	1	104	104.00
6	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	No.	0.3009	97.50	29.34

7	GI barbed wire anticlimbing device 3 Kg. Per support	No	3	104.00	312.00
8	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	No	1.2036	97.50	117.35
9	33KV pin insulator polymer (4 No's each 90 Deg. Cut point)	Pair	4	624.00	2496.00
10	H W fitting(B&S)90KN,4 Bolt	Set	6	650.00	3900.00
11	Disc insulator (B&S)90 KN polymer	No.	6	1495.00	8970.00
12	Earthing of Support (Coil Type)	EA	1	215.80	215.80
13	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	0.262	97.50	25.55
14	PG Clamp for 100 sq.mm AAA conductor	Kg	6	754.00	4524.00
15	Wedge connector for 100 sq. mm AAA Conductor	EA	6	130.95	785.70
16	Polycarbonate Bird Guard	EA	10	29.40	294.00
17	H.T. Stay clamp, 50x8 mm. flat, 3.14Kg/Mtr., 0.511 Mtr. Length, 2 no's qty. required (1 Pair)	Kg	1	162.50	162.50
18	H.T. Stay set (Complete)	Set	1	1365.00	1365.00
19	H.T. Stay Insulator Type-C (2 No's.)	No.	1	65.00	65.00
20	7/8 SWG Stay Wire 15kg /stay	No.	15	97.50	1462.50
21	GI Nut , Bolt & Washer of different sizes (11.31 Kg each 90 deg. Cut point)	EA	11.31	101.40	1146.83
22	Black Paint	EA	1	286.00	286.00
23	Yellow Colour Paint for Background	Kg	2	216.00	432.00
A	A. Sub total				69,525.60
B	B. Stock, Storage & Insurance @ 3% of A				2,085.77
C	Sub Total (C=A+B)				71,611.36
D	T&P @ 2% of C				1,369.29
E	Contingency @ 3% of C				2,148.34
F	Transportation @ 7.5% of C				5,370.85
G	Erection Charges @ 5% on poles				1,767.58
H	Erection Charges @ 10%				3,311.30
I	Total				85,578.73
24	Fixing of 33KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts, including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	EA	1	2250.00	2250.00
25	Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr	Cu.mtr	0.55	6500.00	3575.00
26	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	0.1125	6500.00	731.25
	Total Material + Services Cost				92,134.98
C	33 KV PIN POINT				
1	WPB (GI) Pole 160x152 (13Mtr. Long, 30.44KG/Mtr.)	No	9	34322.00	308898.00
2	33 KV V cross Arm (GI) 22Kg each	No.	9	2340	21060.00
3	Top bracket 100x50x6mm GI channel (2kg each)	kG	9	195	1755.00
4	Danger Plate, 1 no's.	No.	9	104	936.00

5	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	KG	2.71	97.5	264.23
6	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	27	104.00	2808.00
7	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	KG	10.83	97.50	1055.93
8	33KV pin insulator polymer	No.	27	624.00	16848.00
9	Earthing of Support (Coil Type)	No.	9	215.80	1942.20
10	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	K.g.	2.36	97.50	230.10
11	GI Nut , Bolt & Washer of different sizes (1.45 Kg/ Pin Point)	K.g.	13.05	101.40	1323.27
12	100 sq.mm AAA conductor	Mtr.	1390.5	71.50	99420.75
13	Polycarbonate Bird Guard	EA	27	29.40	793.80
14	Black Paint	Ltr	9	286.00	2574.00
15	Yellow Colour Paint for Background	Ltr	18	216.00	3888.00
A	A. Sub total				4,63,797.27
B	B. Stock, Storage & Insurance @ 3% of A				13,913.92
C	Sub Total (C=A+B)				4,77,711.19
D	T&P @ 2% of C				9,554.22
E	Contingency @ 3% of C				14,331.34
F	Transportation @ 7.5% of C				35,828.34
G	Erection Charges @ 5% on poles				15,908.25
H	Erection Charges @ 10%				15,954.62
I	Total				5,69,287.95
16	Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr	Cu.mtr	4.95	6500.00	32175.00
17	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	1.0125	6500.00	6581.25
	Total Material + Services Cost				6,08,044.20
	salvage value @ 8% as per estimate				11,730.32
	Total Rs.				5,96,313.88
II	CONSTRUCTION OF 11 KV LINE .				
A	11 KV CUT POINT WITH (180+90) DEGREE ANGLE				
1	WPB (GI) Pole 160x152 (11 Mtr. Long, 30.44KG/Mtr.)	No	2	29661.00	59322.00
2	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	91.8	97.50	8950.50
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	21.1	97.50	2057.25
4	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	23.4	97.50	2281.50
5	Danger Plate, 1 no's.	No.	2	104	208.00

6	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	KG	0.6	97.5	58.50
7	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	6	104.00	624.00
8	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	KG	2.41	97.50	234.98
9	11 KV pin insulator polymer	Set	10	260.00	2600.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	18	455.00	8190.00
11	Disc insulator (B&S) 70 KN polymer	No.	18	1495.00	26910.00
12	Earthing of Support (Coil Type)	EA	2	215.80	431.60
13	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	0.52	97.50	50.70
14	Wedge connector for 55 sq. mm AAA Conductor	EA	18	146.20	2631.60
15	Polycarbonate Bird Guard	EA	28	29.40	823.20
16	GI Nut , Bolt & Washer of different sizes (11.31 Kg each 90 deg. Cut point)	EA	7.1	101.40	719.94
17	Black Paint	EA	1	286.00	286.00
18	Yellow Colour Paint for Background	Kg	4	216.00	864.00
A	A. Sub total				1,17,243.77
B	B. Stock, Storage & Insurance @ 3% of A				3,517.31
C	Sub Total (C=A+B)				1,20,761.08
D	T&P @ 2% of C				2,415.28
E	Contingency @ 3% of C				3,622.83
F	Transportation @ 7.5% of C				9,057.08
		Erection Charges @ 5% on WPB poles			3,055.08
G	Erection Charges @ 10%				5,966.22
H	Total				1,44,877.57
25	Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr	Cu.mtr	0.9	6500.00	5850.00
26	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	0.225	6500.00	1462.50
	Total Material + Services Cost				1,52,190.07
B	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB (GI) Pole 160x152 (11 Mtr. Long, 30.44KG/Mtr.)	No	1	29661.00	29661.00
1	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	Kg	45.888	97.50	4474.08
2	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.5728	97.50	1030.85
3	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306)	Kg	11.70144	97.50	1140.89
5	Danger Plate, 1 no's.	No.	1	104	104.00
6	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	KG	0.3009	97.5	29.34
7	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	3	104.00	312.00

8	Back Clamp for antilimbing device 25X3 mm. flat. 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	KG	1.2036	97.50	117.35
4	11 KV pin insulator polymer	Set	4	260.00	1040.00
5	H W fitting(B&S) 70KN, 3Bolt	No.	6	455.00	2730.00
6	Disc insulator (B&S) 70 KN polymer	No.	6	1495.00	8970.00
12	Earthing of Support (Coil Type)	EA	1	215.80	215.80
13	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	0.262	97.50	25.55
14	Wedge connector for 55 sq. mm AAA Conductor	EA	6	146.20	877.20
15	Polycarbonate Bird Guard	EA	10	29.40	294.00
9	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	162.50	325.00
10	HT Stay Set (Complete)	Set	2	1365.00	2730.00
11	HT Stay Insulator	No.	2	65.00	130.00
12	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	97.50	2925.00
13	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.433	101.40	753.71
17	Black Paint	EA	0.5	286.00	143.00
18	Yellow Colour Paint for Background	Kg	2	216.00	432.00
A	A. Sub total				58,460.76
B	B. Stock, Storage & Insurance @ 3% of A				1,753.82
C	Sub Total (C=A+B)				60,214.58
D	T&P @ 2% of C				1,078.43
E	Contingency @ 3% of C				1,806.44
F	Transportation @ 7.5% of C				4,516.09
	Erection Charges @ 5% on poles				1,527.54
G	Erection Charges @ 10%				2,337.05
H	Total				71,480.13
14	Fixing of 11 KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts, including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	No	2	2250.00	4500.00
25	Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr	Cu.mtr	0.45	6500.00	2925.00
26	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	0.1125	6500.00	731.25
	Total Material + Services Cost				79,636.38
C	11 KV PIN POINTS WITH WPB				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	5	29661.00	148305.00
2	11 KV V cross arm	No	5	1053.00	5265.00
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	5	195.00	975.00
4	Danger plate	No	5	104.00	520.00
5	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	1.5	97.50	146.25

6	GI barbed wire/Anticlimbing device	No	15	104.00	1560.00
7	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	6.02	97.50	586.95
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	15	260.00	3900.00
9	Earthing of Support (Coil Type)	No	5	215.80	1079.00
10	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	1.31	97.50	127.73
11	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.25	101.40	735.15
12	55 SQ. MM AAAC	Km	0.9579	39000.00	37358.10
13	Polycarbonate Bird Guard	EA	15	29.40	441.00
14	Yellow colour paint for Background	Ltr	10	216.00	2160.00
15	Black colour paint for numbering	Ltr	5	286.00	1430.00
A	A. Sub total				2,04,589.18
B	B. Stock, Storage & Insurance @ 3% of A				6,137.68
C	Sub Total (C=A+B)				2,10,726.85
D	T&P @ 2% of C				4,214.54
E	Contingency @ 3% of C				6,321.81
F	Transportation @ 7.5% of C				15,804.51
	Erection Charges @ 5% on poles				7,637.71
G	Erection Charges @ 10%				5,797.30
H	Total				2,50,502.72
16	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr.	Cum	2.25	6500.00	14625.00
17	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.5625	6500.00	3656.25
	Total Material + Services Cost (J+K)				2,68,783.97
III	SHIFTING OF 11/0.4 KV, 63 KVA S/S ALONG WITH INSTALLATION OF DP & LTDB(USING EXISTING DTR.).				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00
2	9 Mtr Long 300 KG PSC Pole(For raising of LT ABC)	No	1	3900.00	3900.00
3	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	2	260.00	520.00
4	Eye Hook for XLPE Aerial Bunched Cable	No	2	78.00	156.00
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	2	84.50	169.00
6	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	97.50	5592.60
7	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	97.50	386.57
8	MU Channel 75X40X 4.8mm.,3000 mm Long, 7.14KG/Mtr., 2 Nos.	Kg	0	97.50	0.00
9	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	97.50	4176.90
10	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	97.50	652.28
11	Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.	Kg	5.711	97.50	556.82
12	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long) (7.14 kg/mtr,2 Nos.)	Kg	42.84	97.50	4176.90

13	Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	97.50	1128.08
14	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	97.50	1125.15
15	Transformer base GI channel 100x50x6 mm channel(3000 mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)	Kg	57.36	97.50	5592.60
16	Transformer base suport channel 100x50x6 mm GI channel(515 mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)	Kg	9.85	97.50	960.38
17	Transformer Belting angle 50x50x6 mm GI (3000 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	27	97.50	2632.50
18	Transformer Belting Support angle 50x50x6 mm GI 580 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	5.22	97.50	508.95
19	LT DB mounting angle 50x50x6 mm GI (1000 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	9	97.50	877.50
20	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	Kg	154.81	97.50	15093.98
21	LT Distrubution Box with MCCB, Aluminim Busbar of single Bay with kit kat Fuse for 63 KVA S/S.	No	1	23818.60	23818.60
22	55 sq. mm All Alloy conductor-PVC insulated	Mtr	50	55.24	2762.00
23	4Cx95 sq. mm LT XLPE cable	Mtr	15	479.61	7194.15
24	11 KV AB switch (200 Amp, 3 pole)	Set	1	9555.00	9555.00
25	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	7956.00	7956.00
26	PG Clamp for 55 sq. mm AAAC	No	6	624.00	3744.00
27	11 KV Disc insulator polymer type 70 KN	No	3	1495.00	4485.00
28	11 KV H/W fitting polymer type	Pair	3	455.00	1365.00
29	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
30	11 KV Pin Insulator polymer type	No	3	260.00	780.00
31	HT Stay Set (Complete)	Set	2	1365.00	2730.00
32	HT Stay Insulator	No.	2	65.00	130.00
33	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	162.50	325.00
34	7/10 SWG Stay Wire	KG	30	97.50	2925.00
35	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
36	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
37	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
38	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.4072	97.50	234.70
39	Danger plate	Kg	2	104.00	208.00
40	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	97.50	58.68
41	Name Plate	No	1	104.00	104.00
	Structure Numbering and marking				
42	Yellow colour paint for Background	Ltr	2	216.00	432.00
43	Black colour paint for numbering	Ltr	1	286.00	286.00
A	A. Sub total				2,03,180.32
B	B. Stock, Storage & Insurance @ 3% of A				6,095.41
C	Sub Total (C=A+B)				2,09,275.73
D	T&P @ 2% of C				3,714.62
E	Contigency @ 3% of C				6,278.27
F	Transportation @ 7.5% of C				15,695.68
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				3,055.08
H	Erection Charges @ 20% on PSC Poles				803.40

I	Erection Charges @ 10% for other materials				12,061.22
J	Total				2,50,884.00
44	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6500.00	5,850.00
45	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6500	1,469.00
46	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2250.00	4,500.00
47	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	7	3700.00	25,900.00
48	Laying of 4Cx95 sq.mm LT XLPE cable	Mtr.	15	46.80	702.00
49	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
50	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cum	0.375	6500.00	2,437.50
					94,858.50
	Sub total Rs				3,45,742.50
IV	Construction of LT Line using 4x50+1x50+1X16 sq. mm LT AB Cable- -0.25 Km.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	29661.00	59322.00
2	HT Stay Set (Complete)	Set	2	1365.00	2730.00
3	HT Stay Insulator	No.	2	65.00	130.00
4	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	162.50	325.00
5	7/10 SWG Stay Wire	KG	30	97.50	2925.00
6	9 Mtr Long 300 KG PSC Pole	No	4	3900.00	15,600.00
7	LT stay set complete	Set	2	676.00	1,352.00
8	7/12 SWG GI stay wire, Grade-2	Kg	24	97.50	2,340.00
9	LT stay clamp	Pair	2	143.00	286.00
10	LT stay set Insulator	No	2	39.00	78.00
	LT Accessories with Eye Hook and Clamp				
11	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	11	260.00	2,860.00
12	Eye Hook for XLPE Aerial Bunched Cable	No	7	78.00	546.00
13	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	7	84.50	591.50
14	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	4	442.00	1,768.00
15	4 Cx50(P)+1Cx50(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	262.5	226.00	59,325.00
16	GI Pipe Earthing (Each 5th pole to earth)	No	1	1365.00	1,365.00
17	Coil Earthing	No	5	215.80	1,079.00
18	No-8 GI wire (Dia-4.6mm)	Kg	1.572	97.50	153.27
19	Danger plate (LT)	No	6	104.00	624.00
20	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	1.81	97.5	176.48

21	GI barbed wire/Anticlimbing device 3 kg per support	Kg	18	104	1872.00
22	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	7.22	97.5	703.95
23	GI Nut, Bolt & washers of different sizes	Kg	3	101.40	304.20
24	Yellow colour paint for Background	Ltr	12	216.00	2,592.00
25	Black paint	Ltr	6	286.00	1,716.00
A	TOTAL MATERIAL COST				1,60,764.40
B	Stock, Storage & Insurance @ 3% of A				4,822.93
C	Sub Total (C=A+B)				1,65,587.33
D	Contingency @3% of C				4,967.62
E	T & P 2% of C				3,129.90
F	Transportation @ 7.5% of C				12,419.05
G	Erection Charges for PSC Pole @ 20%				3,213.60
H	Erection Charges of Joist Poles @ 5%				3,055.08
I	Erection Charges of other @ 10%				7,654.04
J	Sub Total Rs.				2,00,026.62
Civil and Services Works (As per Technical Specification)					
26	Fixing of LT complete stay set includes(1) Turn Buckle assembly(2)Stay Rod & stay Plate(3)Stay Insulator(4)Stay Wire(5)stay Clamps with Nuts & Bolts,including excavation supply of 0.5 cum cement concrete foundation 1:2:4 size(500x500x800mm)using 20 mm BHG metal with all Labour and material(Excavation of earth will be done of size500x500x1500mm)	No	4	2250	9000.00
27	Concreting Ratio 1:1::5:3 (500mmX500mmX1800mm)= 0.45 Cu.Mtr	Cu.Mtr	0.9	6500.00	5,850.00
28	Concreting Ratio 1:1::5:3 (500mmX500mmX450 mm)= 0.1125 Cu.Mtr	Cu.Mtr	0.225	6500.00	1,462.50
29	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	1.5	6500.00	9,750.00
30	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	1	3700.00	3,700.00
K	Total Services Cost				29,762.50
	Total Material + Services Cost (J+K)				2,29,789.12
V	11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING-1 SPAN				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =(4x7.14x1.2)	Kg	62.832	97.50	6126.12

2	No-6 GI wire (0.192 Kg/Mtr.)for main string	Kg	23.04	97.50	2246.40
3	No-8 GI wire (0.131 Kg/mtr.)for lacing	Kg	4.9125	97.50	478.97
4	Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.)	No	4	78.00	312.00
5	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1365.00	2730.00
6	50x6mm GI Flat for earthing, 2.36kg/mtr.	Kg	50.504	97.50	4924.14
A	TOTAL MATERIAL COST (FOR-2020-21)				16,817.63
B	Stock, Storage & Insurance @ 3% of A				504.53
C	Sub Total (C=A+B)				17,322.16
D	Contingency @3% of C				519.66
E	T & P 2% of C				290.21
F	Transportation @ 7.5% of C				1,299.16
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				1,451.03
J	Sub Total Rs.				20,882.22
7	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	2	3700.00	7,400.00
	Total Rs.				28,282.22
VI	33 KV LINE PROTECTING GUARDING FOR ROAD CROSSING-1 SPAN				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =(4x7.14x1.2)	Kg	71.4	97.50	6961.50
2	No-6 GI wire (0.192 Kg/Mtr.)for main string	Kg	23.04	97.50	2246.40
3	No-8 GI wire (0.131 Kg/mtr.)for lacing	Kg	4.9125	97.50	478.97
4	Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.)	No	4	78.00	312.00
5	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1365.00	2730.00
6	50x6mm GI Flat for earthing, 2.36kg/mtr.	Kg	59.944	97.50	5844.54
A	TOTAL MATERIAL COST (FOR-2020-21)				18,573.41
B	Stock, Storage & Insurance @ 3% of A				557.20
C	Sub Total (C=A+B)				19,130.61
D	Contingency @3% of C				573.92
E	T & P 2% of C				326.37
F	Transportation @ 7.5% of C				1,434.80
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				1,631.87
J	Sub Total Rs.				23,097.57
7	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	2	3700.00	7,400.00
	Total Rs.				30,497.57
VII	Dismantling Charges				
1	Dismantling of 100 sq. mm AAC	Km	0.99	9210.00	9,106.85

2	Dismantling of 55 sq. mm AAAC	Km	1.08	6440.00	6,964.86
3	Dismantling of LT AB Cable	Mtr.	30	23.02	690.60
4	Dismantling of 63KVA DTR	No	1	1841.22	1,841.22
5	Dismantling of RS Joist Pole	No	4	1380.92	5,523.68
6	Dismantling of PSC Pole	EA	10	920.61	9,206.10
	Total Rs.				33,333.31
	Total Rs.				20,14,860.70
	Cess @ 1%				20148.61
	Total Estimated Cost				20,35,009.31
	Total Estimated Cost in Figures				20,35,009.00
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.

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect)

Sd/-
Project Manager(Elect.)

Sd/-
DM (Elect) I/C