

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 06 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO28-E TYPE QTRS.(BLOCK-1, BLOCK-2 & BLOCK-3),6-D TYPE QTRS. AND 8-E TYPE QTRS. AT OSAP 6TH BN., CUTTACK.

BID REF NO :- 44/DGM/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	11 KV LINE				
	11 KV CUT POINT WITH 90 DEGREE ANGLE				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	34153.68	34,153.68
2	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	102.00	4,680.58
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required	Kg	10.5728	102.00	1,078.43
4	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	102.00	1,193.55
5	Danger plate	No	1	108.80	108.80
6	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.3009	102.00	30.69
7	GI barbed wire/Anticlimbing device	No	3	108.80	326.40
8	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	1.2036	102.00	122.77
9	11 KV pin insulator polymer	Set	4	272.00	1,088.00
10	H W fitting(B&S) 70KN, 3Bolt	No.	9	476.00	4,284.00
11	Disc insulator (B&S) 70 KN polymer	No.	9	1564.00	14,076.00
12	Earthing of Support (Coil Type)	No	1	225.76	225.76
13	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.262	102.00	26.72
14	Non metallic ties -11 KV 55 sq. mm AAAC	No	4	251.00	1,004.00
15	IPC for 55 sq. mm AAAC(For covered conductor)	No	3	371.00	1,113.00
16	Wedge connector for 55 SQMM.Conductor	No	6	146.20	877.20
17	HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos.	Pair	2	170.00	340.00
18	HT Stay Set (Complete)	Set	1	1428.00	1,428.00
19	HT Stay Insulator	No.	1	68.00	68.00
20	7/10 SWG Stay Wire , 15 Kg/stay	KG	15	102.00	1,530.00
21	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	7.433	106.08	788.49
22	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	167.46	334.92
23	Black paint (GIS Numbering & Zebra stripping)	Ltr	0.5	299.20	149.60
A				A. Sub total	69,028.58
B				B. Stock, Storage & Insurance @ 3% of A	2,070.86
C				Sub Total (C=A+B)	71,099.44
D				T&P @ 2% of C	1,352.65
E				Contingency @ 3% of C	2,132.98

F		Transportation @ 7.5% of C			5,332.46
		Erection Charges @ 5% on poles			1,758.91
G		Erection Charges @ 10%			3,245.42
H		Total			84,921.86
24	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 excavation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material .	No	1	2301.53	2,301.53
25	Couping Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr.	Cum	0.45	6648.85	2,991.98
26	Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6648.85	748.00
		Total Material + Services Cost (J+K)			90,963.37
B	11 KV PIN POINTS WITH WPB				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	1	34153.68	34,153.68
2	11 KV V cross arm	No	1	1101.60	1,101.60
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	1	204.00	204.00
4	Danger plate	No	1	108.80	108.80
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	0.3	102.00	30.60
6	GI barbed wire/Anticlimbing device	No	3	108.80	326.40
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	1.2	102.00	122.40
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	3	272.00	816.00
9	Earthing of Support (Coil Type)	No	1	225.76	225.76
10	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.26	102.00	26.52
11	GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole)	Kg	1.45	106.08	153.82
12	55 sq. mm AAAC XLPE covered conductor	Mtr.	30.9	99.74	3,081.97
13	Yellow colour paint for Background	Ltr	2	167.46	334.92
14	Black colour paint for numbering	Ltr	1	299.20	299.20
15	Non metallic ties -11 KV 55 sq. mm AAAC	No	3	251.00	753.00
A		A. Sub total			41,738.66
B		B. Stock, Storage & Insurance @ 3% of A			1,252.16
C		Sub Total (C=A+B)			42,990.82
D		T&P @ 2% of C			859.82
E		Contingency @ 3% of C			1,289.72
F		Transportation @ 7.5% of C			3,224.31
		Erection Charges @ 5% on poles			1,758.91
G		Erection Charges @ 10%			781.32
H		Total			50,904.90
16	Concreting Ratio 1:1:5:3(M-20 Grade)(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.45	6648.85	2,991.98
17	Couping Ratio 1:1:5:3(M-20 Grade) with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.1125	6648.85	748.00
		Total Material + Services Cost (J+K)			54,644.88
II	INSTALLATION OF 500 KVA S/S.				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	34153.68	68,307.36
2	9 Mtr. long 300 Kg. PSC Pole (For Raising of LT ABC)	No	2	4080.00	8,160.00
3	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	4	272.00	1,088.00
4	EYE hook for XLPE Aerial bunched Cable	No	4	81.60	326.40
5	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	4	88.40	353.60

6	LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 3 No's.) (Each 3x1.000x7.14= 21.42 Kg)	Kg	42.84	102.00	4,369.68
7	Top Channel(GI) GI 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)	Kg	57.36	102.00	5,850.72
8	Fish Plate(GI) 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	Kg	3.9648	102.00	404.41
9	M.U Channel(GI) GI 75x40x4.8 mm (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg	42.84	102.00	4,369.68
10	AB Switch Mounting Channel(GI) 75x40x4.8 mm GI Channel(GI) (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg	6.69	102.00	682.38
11	AB Switch Side Support Channel(GI) 100X50X6mm,9.56 KG/Mtr., each Channel(GI) length 0.35 mtr., 2 no's Channel(GI) required =(9.56x2x0.35)	Kg	5.71	102.00	582.42
12	Channel(GI) Support for down Pipe 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 0.8 Mtr., 1 no's Channel(GI) required =(7.14x0.8x1)	Kg	42.84	102.00	4,369.68
13	HG/ DO Fuse Mounting Channel(GI) 75x40x4.8 mm GI Channel(GI) (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg	11.57	102.00	1,180.14
14	Cantilever Support Channel(GI) 75x40x4.8 mm GI Channel(GI) (810 mm long,2 No's.) (7.14Kg./Mtr., 2 No's.) (Each 2x0.810x7.14= 11.57 Kg)	Kg	11.54	102.00	1,177.08
15	Cantilever Support Angle(GI) 50 X 50 X 6MM GI (1282 mm long) (4.5Kg./Mtr, 2 No's.) (Each 2x1.282x4.5= 11.54Kg)	Kg	42.84	102.00	4,369.68
16	Double Pole Belting Channel(GI) 75X40X 4.8mm., 7.14KG/Mtr., each Channel(GI) length 3.0 Mtr., 2 no's Channel(GI) required =(7.14x3x2)	Kg	31.61	102.00	3,224.22
17	50x6mm Flat(GI) for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For LA and 2.5 mtr. For raising, 11 mtr for AB switch, 2.8 mtr for HG Fuse, 5x2 mtr. for DTR Nutral, (1.3+4.5) mtr. For DTR Body, 0.500 mtr for LTDB & AB Switch operating handle, 3 mtr. for Fencing) (Each 65.6x 2.36= 154.81 Kg)	Kg	154.82	102.00	15,791.64
18	500 KVA , 11/ 0.4 KV (Cu) Transformer with Tap Changer BIS Energy level II	No	1	1201519.03	1,201,519.03
19	LT Distribution Box with MCCB, Aluminium Busbar for 4 Bay with kit kat fuse for 500 KVA S/S	No	1	102530.81	102,530.81
20	55mm ² ACSR - PVC Insulated (50 Mtr. Each Dtr.)	Mtr	50	55.24	2,762.00
21	1 Cx 400 mm ² LT XLPE Cable(Un-Armoured)	Mtr	180	363.08	65,354.40
22	LT Cable Supporting Channel(GI) 100 X 50 X 6 MM GI Channel(GI) (2000 mm long)(9.56 Kg./Mtr., 2 No's.) (Each 2x2x9.56= 28.56 Kg)	Mtr	38.24	102.00	3,900.48
23	LT Cable Supproting Angle(GI), 50x50x6mm.GI 4.5Kg./mtr., each Angle(GI) length 2 mtr., 4 nos Angle(GI) required = (4.5x4x2)	Set	36	102.00	3,672.00
24	Supply of 11 KV 4 core ,150 sq. mm XLPE insulation armoured-Aluminium UG cablefrom LT DB to Pole	Mtr	80	803.39	64,271.20
25	AB Switch(11KV,200A.3pole,50Hz)	EA	1	9996.00	9,996.00
26	H.G.Fuse(11KV.200A.3Pole)	EA	1	8323.20	8,323.20
27	WEDGE CONNECTOR FOR 55 SQMM.CONDUCTOR	No	6	146.20	877.20
28	POLYCARBONATE BIRD GUARD	No	6	20.96	125.76
29	Disc insulator (B&S)70 KN polymer	No	3	1564.00	4,692.00
30	H W fitting (B&S)70KN(3bolted)	No	3	476.00	1,428.00
31	Lightning Arrester(12KV,10KA) Station Class 2	Set	3	4828.00	14,484.00
32	11KV pin insulator polymer	No.	3	272.00	816.00
33	HT stay set complete	No	2	1428.00	2,856.00
34	HT stay Clamp (1.9Kg/pair)	Pair	2	170.00	340.00
35	HT stay insulator TYPE-C	No	2	68.00	136.00

36	7/10 SWG GI stay wire, Grade -2 (15Kg./ Set)	Kg	30	102.00	3,060.00
37	40 mm Nominal bore GI pipe (medium gauge) earthing device with 3 mtr .Long	No	7	1428.00	9,996.00
38	GI Nuts & Bolts of Assorted size (25 Kg/ DSS DP)	Kg	25	106.08	2,652.00
39	GI Barbed wire/Anticlimbing device (3Kg /Pole)	Kg	6	108.80	652.80
40	Back Clamp for anticlimbing device 25X3 mm. Flat(GI), 0.59Kg/Mtr. Flat(GI) of 0.510mtr length 8 no's = (8x0.59x0.510)	Kg	2.4072	102.00	245.53
41	Danger plate 11kv	No	2	108.80	217.60
42	Back Clamp for danger Plate 25X3 mm. Flat(GI), 0.59Kg/Mtr. Flat(GI) of 0.510mtr length 2 no's = (2x0.59x0.510)	Kg	0.6018	102.00	61.38
43	Name plate	No	1	108.80	108.80
44	Yellow colour paint for Background(GIS Numbering & Zebra stripping)for Background	Ltr	2	167.46	334.92
45	Black paint (GIS Numbering & Zebra stripping)	Ltr	1	299.20	299.20
A	A. Sub total				1,630,319.41
B	B. Stock, Storage & Insurance @ 3% of A				48,909.58
C	Sub Total (C=A+B)				1,679,228.99
D	T&P @ 2% of C				30,576.68
E	Contingency @ 3% of C				50,376.87
F	Transportation @ 7.5% of C				125,942.17
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				65,396.06
H	Erection Charges @ 20% on PSC Poles				1,680.96
I	Erection Charges @ 10% for other materials				21,250.82
J	Total				1,974,452.55
46	Concreting Ratio 1:1:5:3(M-20 Grade)(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cu. Mtr	0.9	6648.85	5,983.97
47	Couping Ratio 1:1:5:3(M-20 Grade) with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6648.85	1,502.64
48	PCC ratio 1:3:6(M-10 Grade) For DSS Area (5X3X0.1)= 1.5 Cu. mtr.	Cu. Mtr	1.225	5247.48	6,428.16
49	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	2301.53	4,603.06
50	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	3784.73	26,493.11
51	LT DB Plinth	No	1	6000.00	6,000.00
52	DTR Plinth	No	1	32181.60	32,181.60
53	Laying of 4Cx150 sq.mm LT XLPE cable	Mtr.	80	73.65	5,892.00
54	Laying of 1.1 KV cable from 400 to 1000 sq. mm	Mtr.	180	96.66	17,398.80
55	Supply and Erection of GI fencing with Gate	RM	20	3682.44	73,648.80
56	Supply and erection of GI Pipe of dia. 150mm, Class-B (8Mtr.)	Mtr.	32	1496.91	47,901.12
57	Concreting Ratio 1:1:5:3(M-20 Grade)(500 mmx500mmx1500 mm)=0.375 Cu. Mtr.	Cum	0.75	6648.85	4,986.64
58	Supply of AL Lugs suitable for 400 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	EA	24	322.21	7,733.04

59	Supply of AL Lugs suitable for 150 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	EA	32	156.50	5,008.00
60	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 300-1000 sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.	EA	12	1227.48	14,729.76
61	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4C 300-1000 sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.	EA	4	920.61	3,682.44
					264,173.14
				Sub total Rs	2,238,625.69
PART-III	Supply and Laying of 1.1 KV LT U/G Cable using 4 C x 150 Sq. mm of length 150 Mtr. And 4C x35 sq. mm of Length 100 Mtr. Including 1 Run spare .				
	1.1 KV XLPE insulation armoured U/G cable along with Multimeter Panel and LT feeder Pillar.				
1	Supply of materials for 1.1 KV XLPE insulation armoured UG cable with accessories-Open trench (along with spare cable)				
a	Length of 1.1 KV, 4C, 35 sq. mm XLPE insulation armoured-Aluminium UG Cable(open trench)	Mtr.	100		
b	Length of 1.1 KV, 4C, 150 sq. mm XLPE insulation armoured-Aluminium UG Cable(open trench)	Mtr.	150		
1.1	4 core 35 sq. mm XLPE insulation armoured -Aluminium UG Cable	Mtr	200	205.06	41,012.00
1.2	4 core 150 sq. mm XLPE insulation armoured - Aluminium UG Cable	Mtr	300	803.39	241,017.00
2	supply of 1.1 KV Multimeter Panel				
2.1	Supply of 1.1 KV I/C-160 A & 30 Nos. of O/G 32A	Nos	3	207000.00	621,000.00
2.1	Supply of 1.1 KV I/C-160 A & 10 Nos. of O/G 32A	No	2	125000.00	250,000.00
3	Earthing of Multimeter Panel				
3.1	Earthing conductor 50x6mm (2.4 Kg/Mtr.)GI flat for equipment ,structure etc.)	Kg	66	102.00	6,732.00
3.2	40 mm Nominal bore GI pipe (medium gauge) earthing device with 3 Mtr. Long	Nos	10	1428.00	14,280.00
A				A. Sub total	1,174,041.00
	Erection Portion				
1	Laying ,commissioning ,Testing of 1.1 KV , Aluminium, XLPE insulation armoured UG cable by open trench method				
1.1	Laying of 1.1 KV ,4 core 35 sq. mm XLPE insulation armoured-Aluminium UG cable	Mtr	200	47.87	9,574.00
1.2	Laying of 1.1 KV ,4 core 150 sq. mm XLPE insulation armoured-aluminium UG cable	Mtr	300	73.65	22,095.00
2	SITC of Gland /AL term				
2.1	Supply and erection of double compression flameproof type glanding for armoured cable 3.5/4 core ,16-35 sq. mm including making hole in Base plate and dressing of cable along with vermin proofing properly .supply to be done as per TPCODL specification and approved make dowells	EA	8	368.24	2,945.92

2.2	Supply and erection of double compression flameproof type glanding for armoured cable 3.5/4 core ,120-185 sq. mm including making hole in Base plate and dressing of cable along with vermin proofing properly .supply to be done as per TPCODL specification and approved make dowells.	EA	12	920.61	11,047.32
					45,662.24
Civil Portion					
2	Civil works with supply of all materials like cement, MS tor rod, brick, coarse & fine aggregates and labour, T&P, etc for LT UG Cable Trench				
2.1	Earth work excavation of soil Trench Dimension(1.6 Mtr. Wx1.275 Mtr. D)	Cum	357	716.03	255,622.71
2.2	Earth work excavation of hard rock Trench Dimension(1.6 Mtr. Wx1.275 Mtr. D)	Cum	153	1,759.39	269,186.67
2.3	Back filling with excavated soil outside and above the trench	Cum	144.4	204.58	29,541.35
2.4	PCC(1:3:6) below trench (width 1100 mm ,thickness 100 mm throughout)	Cum	28.125	5,247.48	147,585.38
2.5	Supply and Erection of material for RCC partition Slab 750 mmx100 mm(M-25 Grade)	Cum	24.375	7,483.54	182,411.29
2.6	Supply and Erection of material for RCC trench,150 mm thick(M-25 Grade)	Cum	116.25	7,483.54	869,961.53
2.6	Supply and erection of Rod ,bending ,cutting and binding of prefabricated RCC trench(0.6523 Quint/cum)Cast-in-SITU	Kg	7582.988	111.50	845,503.16
2.7	Supply and erection of Rod ,bending ,cutting and binding of prefabricated RCC slabs(0.678 Quint/cum)-ast-in-SITU	Kg	1652.625	111.50	184,267.69
	Concreting and shuttering of Mass Concrete	M2	975	307.89	300,192.75
	Structural steel work riveted Channel (GI-75x40x4.8 mm)Flat GI-75x6 mm	Kg	711.75	130.00	92,527.50
3	Civil works for Prefabricated RCC foundation with supply of all materials				
3.1	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.	Set	10	3,784.73	37,847.30
	Sub Total (Civil Portion) (in Rs.)				3,214,647.32
A	Sub Total (Supply Portion)				1,174,041.00
B	Stock, Storage & Insurance @ 3 % of A				35,221.23
C	Sub Total (A+B)				1,209,262.23
D	Contingency @ 3 % of C				36,277.87
E	Tools & Plants Charges @ 2% of C (considered for multimeter panel and earthing items)				18,081.28
F	Transportation @ 7.5% of C				90,694.67
G	Erection Charges @ 10% of earthing items				90,406.40
H	Total (C+D+E+F+G)				1,444,722.44
I	Sub Total (Erection Portion + Civil Portion)				3,260,309.56
J	Total Cost (H+I)				4,705,032.00
IV	Construction of LT Line using 4C×70mm² (P)+1C×70 mm²(M)+1CX16 mm²(Street Light) (LT AB Cable)- -0.74 Km.				

1	9 Mtr. long 300 Kg. PSC Pole	No	15	4080.00	61,200.00
2	LT Stay set Complete	Set	10	707.20	7,072.00
3	7/12 SWG GI stay wire, Grade -2	Kg	120	102.00	12,240.00
4	LT stay Clamp (1.40Kg/pair)	Pair	10	149.60	1,496.00
5	LT Stay insulator	No	10	40.80	408.00
	LT Accessories with Eye Hook and Clamp				
6	Pole clamp for EYE hook for (XLPE Aerial bunched Cable)	Pair	46	272.00	12,512.00
7	EYE hook for XLPE Aerial bunched Cable	No	32	81.60	2,611.20
8	Dead End Clamp suitable for messenger XLPE Aerial bunched Cable	No	32	88.40	2,828.80
9	Suspension Clamp with EYE hook for ABC	No	14	462.40	6,473.60
10	4C×70 mm ² (P)+1C×70 mm ² (M)+1CX16 mm ² (Street Light) (LT AB Cable)	Mtr	777	338.66	263,138.82
11	4 way Distribution box with kitkat fuse and Aluminium Bus Bar	No	5	3005.60	15,028.00
12	Pipe Earthing (each 5th pole to earth)	No	3	1428.00	4,284.00
13	Coil Earthing	No	12	225.76	2,709.12
14	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	Kg	3.93	102	400.86
15	Danger plate (LT)	Kg	15	108.8	1,632.00
16	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	Kg	4.51	102.00	460.02
17	GI barbed wire anticlimbing device 3 Kg. Per support	Ltr	45	108.80	4,896.00
18	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	Kg	18.05	102.00	1,841.10
19	GI Nut , Bolt & Washer of different sizes (0.5 Kg/ Pole)	Kg	7.5	106.08	795.60
20	Black Paint	Ltr.	15	299.20	4,488.00
21	Yellow Colour Paint for Background	Ltr	30	167.46	5,023.80
A				TOTAL MATERIAL COST	411,538.92
B				Stock, Storage & Insurance @ 3% of A	12,346.17
C				Sub Total (C=A+B)	423,885.09
D				Contingency @3% of C	12,716.55
E				T & P 2% of C	7,952.42
F				Transportation @ 7.5% of C	31,791.38
G				Erection Charges for PSC Pole @ 20%	12,607.20
H				Erection Charges of DTR and Joist Poles @ 5%	
I				Erection Charges of other @ 10%	33,458.49
J				Sub Total Rs.	522,411.13
Civil and Services Works (As per Technical Specification)					
22	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	10	2301.53	23,015.30
23	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	5.625	6648.85	37,399.78
24	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	3	3784.73	11,354.19
K				Total Services Cost	71,769.27
				Total Material + Services Cost (J+K)	594,180.40

V	Construction of LT Line using 4Cx35 mm² (P)+1C×35 mm²(M)+1CX16 mm²(Street Light) (LT AB Cable)- -0.24 Km.				
1	4C×35 mm ² (P)+1C×70 mm ² (M)+1CX16 mm ² (Street Light) (LT AB Cable)	Mtr	252	185.35	46,704.49
A	TOTAL MATERIAL COST				46,704.49
B	Stock, Storage & Insurance @ 3% of A				1,401.13
C	Sub Total (C=A+B)				48,105.63
D	Contingency @3% of C				1,443.17
E	T & P 2% of C				962.19
F	Transportation @ 7.5% of C				3,607.92
G	Erection Charges for PSC Pole @ 20%				
H	Erection Charges of DTR and Joist Poles @ 5%				
I	Erection Charges of other @ 10%				4,810.94
J	Sub Total Rs.				58,929.85
VI	Dismantling Charges				
1	Dismantling of PSC/Joist Pole	EA	1	920.61	920.61
	Sub Total Rs.				7,743,296.80
	Cess @ 1%				77,432.97
	Total Estimated Cost				7,820,729.77
	Total Estimated Cost in Figures				7,820,730.00
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/-
D.M I/C (Elect)

Sd/-
DGM Engg.(Elect.)