

## Price Bid (SCHEDULE- A)

### Name of Work: Maintenance of HT/LT Electrical network in BHEL Bhopal township.

Sl No.	Item of works	Unit	Qty	Quoted Rate	Total (Rs.)
1	Supply and erection of stay sets as per specifications and scope of work. (Cement will be issued from BHEL free of cost.)	Sets	15	1262.68	18940
2	Supply of angle / channel / flat iron fittings for overhead lines such as cross arms, clamps brackets etc. including nuts and bolt, required holes, welding and other necessary materials as per specifications including red oxide and Al. painting.	Kg	2000	56.46	112913
3	Providing and fixing earthing pits arrangements as per specifications.	No.	4	3826.32	15305
4	Supply of 11 KV pin insulators (composite polymer) with hardwares, as per scope of work.	No.	4	136.86	547
5	"--do as above--" but for 11 KV disc insulators.	No.	4	342.16	1369
6	"--do as above--" but for 11 KV lightning arresters.	No	2	940.94	1882
7	Supply of shackle insulators with necessary hardware as per specification.	No	300	42.77	12831
8	Supply of 11 KV, A.B. Switch (GOD), nine insulator type as per specification.	Set	8	5987.81	47903
9	Supply of 11 KV, drop out fuses as per specification. (one set = 3 nos.)	Set	8	2138.50	17108
10	Supply of 8 SWG GI wire as per specifications.	Mtr.	2000	14.54	29084
11	Supply of stranded ACSR conductor (Dog) size 6/4.72+7/1.57 mm confirming to IS 398-1961 and latest update.	Mtr	50	38.49	1925
12	-do as above- but for (Raccon) size 7/4.09 mm confirming to IS 398-1961 and latest update.	Mtr	50	51.32	2566
13	-do as above- but for (Rabbit) size 7/3.35 mm confirming to IS 398-1961 and latest update.	Mtr	50	29.94	1497
14	-do as above- but for (Weasel) but size 7/2.59 mm as per IS 398-1961 and latest update.	Mtr	50	23.10	1155
15	Erection of 8 mtr to 9.5 mtr long R.S. Joist / Rail pole/I-beam/H beam with earthing coil etc. as per specifications. (Pole and cement will be issued free of cost)	No	20	1807.45	36149
16	Erection of 9.5 mtr to 11.5 mtr long R.S. Joist / Rail pole/I-beam/H beam with earthing coil etc. as per specifications. (Pole and cement will be issued free of cost)	No.	4	1927.95	7712
17	Erection of 8 mtr. to 11 mtr. long stud pole of R S Joist/Rail pole/I-beam/H beam with earthing coil as per specifications. (Pole and cement will be issued free of cost)	No.	5	602.48	3012
18	Supply of GI protective pipe with coupler for underground cable fixing on wall / pole with necessary clamps or laid in ground etc. of size 75 mm OD with minimum 3 mm thickness as per scope of work.	Mtr	20	256.62	5132
19	Erection and installation of 75 mm GI pipe / GI protective pipe with coupler for underground cable fixing on wall / pole with necessary clamps or laid in ground etc. as per scope of work.	Mtr	20	18.07	361
20	Supply of GI protective pipe with coupler for underground cable fixing on wall / pole with necessary clamps or laid in ground etc. of size 120 mm OD with minimum 3 mm thickness, as per specification and scope of work.	Mtr	20	299.39	5988
21	Erection and installation of 120 mm GI protective / GI protective pipe with coupler for underground cable fixing on wall / pole with necessary clamps or laid in ground etc. as per scope of work.	Mtr	20	18.07	361
22	Erection and fixing T/D type service bracket of angle iron of minimum size 50X 50 X 6 mm with required nut and bolts as per requirement.	No.	4	6.02	24
23	Supply and wrapping barbed wire on HT / 2 Pole HT structure at the prescribed height approx. 1 mtr length as per requirement.	No	60	22.96	1377
24	Painting (Red oxide & Al. paint) of HT/LT & Street light of poles sizes 9 to 11 mtr. as per Scope of work.	No	25	180.75	4519
25	Supplying and fixing 11 kv danger board on HT Poles as per IE Rule.	No	40	19.13	765
26	Supplying and fixing cable route marker with 10 cm x10 cm x 5mm thick GI Plate with inscription their on bolted /welded to 35 mm x35mm x6mm angle iron,60cm long and fixing the same in ground as required.	No	15	7.65	115
27	Labour charges for fixing V cross arms of angle iron or channel iron on existing poles as per requirement on HT poles.	No.	40	24.10	964

28	Labour charges for fixing Top clamp of angle iron or channel iron on existing poles as per requirement on HT poles.	No	40	15.06	602
29	Labour charges for fixing cross arm of angle iron or channel iron on existing poles as per requirement on HT poles.	No	40	18.07	723
30	Labour charges for fixing cross arm of angle iron or channel iron on existing poles as per requirement on LT poles.	No	50	18.07	904
31	Labour charges for fixing "D"/ "B" bracket of angle iron / channel iron on existing poles as per requirement on HT/LT poles.	No.	50	39.16	1958
32	Labour charges for fixing DP channel of angle iron / channel iron on existing poles as per requirement.	No.	10	48.20	482
33	Labour charges for fixing DC channel on existing poles as per requirement.	No	10	24.10	241
34	Labour charges for erection/fixing of 11 KV pin insulators on existing V bracket / Channel.	No.	50	6.02	301
35	Labour charges for erection/fixing of 11 KV disc insulators on existing V bracket / Channel.	No.	30	6.02	181
36	Labour charges for erection/fixing of 11 KV lightening arresters with earthing on existing channels/pole.	No.	2	6.02	12
37	Labour charges for erection/fixing of LT insulators on existing D/B bracket /Channel/Poles.	No.	400	6.02	2410
38	Labour charges for erection/fixing of 11 KV AB Switch assembly.	Set	8	421.74	3374
39	Labour charges for erection/fixing of 11 KV DO fuse assembly.	Set	8	120.50	964
40	Labour charges for erection/fixing of LT AB cables of size 3x120+1x70+1x16 SQMM, 3x95+1x70+1x16 SQMM and 3x50+1x35+1x16 SQMM with required accessories as per scope of work.	Mtr	3000	66.27	198820
41	Labour charges for dismantling of LT AB cables with required accessories as per scope of work.	Mtr	400	18.07	7230
42	Erection and drawing of stranded ACSR conductor (Dog) size 6/4.72+7/1.57 mm as per specification.	Mtr	1000	2.41	2410
43	Erection and drawing of stranded ACSR conductor (Racon) size 7/4.09 mm as per specification.	Mtr	20000	4.82	96397
44	-do as above- but for (Rabbit) size 7/3.35 mm	Mtr	1000	3.61	3615
45	-do as above - but for (Weasel) size 7/2.59 mm	Mtr	1000	3.61	3615
46	Erection and drawing of 8 SWG GI wire as per specification.	Mtr	3000	2.41	7230
47	Erection of cradle type guard for existing overhead LT line including making of guards as per drawing.	No.	500	27.11	13556
48	Erection of cradle type guard for existing overhead HT line including making of guards as per drawing.	No.	400	24.10	9640
49	Digging and refilling of cable trench (Earth work) in all soils except hard rock / road cutting, 400 mm wide and 600-900 mm depth.	Mtr	100	57.24	5724
50	Digging and refilling of cable trench (Earth work) in hard rock / road cutting, as per requirement.	Mtr	200	66.27	13255
51	Laying of underground HT cable (armoured/un-armoured) in existing prepared trench as per scope of work, size 3CX 50 to 185 sq.mm (cables will be supplied by BHEL free of cost). As per scope of work and specifications. (Laying new cable)	Mtr	100	45.19	4519
52	Removal of (old) cable for item no 51.	Mtr	75	18.07	1356
53	For Item No 51 and 52 combined activity.(Removal of old and Laying of new cable at same place)	Mtr	50	54.22	2711
54	"do as above for Item No-51" but with sand, bricks and flag stone as per scope of work.(Laying new cable)	Mtr	100	60.25	6025
55	Removal of (old) cable for item no 54.	Mtr	75	18.07	1356
56	For Item No 54 and 55 combined activity.(Removal of old and Laying of new cable at same place)	Mtr	50	72.30	3615
57	Laying of underground LT cables (armoured/un-armoured) in existing prepared trench as per scope of work, size 3/3.5CX 25 sq. mm. to 120 sq. mm. (Cable will be supplied by BHEL free of cost). As per scope of work and specifications. (Laying new cable)	Mtr	400	30.12	12050
58	Removal of (old) cable for item no 57.	Mtr	100	18.07	1807
59	For Item No 57 and 58 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	40.97	2048
60	"do as abovefor Item No-57" but with sand, bricks and flag stone as per scope of work.(Laying new cable)	Mtr	50	39.76	1988
61	Removal of (old) cable for item no 60.	Mtr	50	18.07	904

62	For Item No 60 and 61 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	53.02	2651
63	Laying of underground LT cables (armoured/un-armoured) in existing prepared trench as per scope of work, size <u>3.5CX150 sq. mm</u> and above. (Cable will be supplied by BHEL free of cost). As per scope of work and specifications. (Laying new cable)	Mtr	300	51.21	15363
64	Removal of (old ) cable for item no 63.	Mtr	100	18.07	1807
65	For Item No 63 and 64 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	59.04	2952
66	"do as above for Item No-63" but with sand, bricks and flag stone as per scope of work.(Laying new cable)	Mtr	50	68.08	3404
67	Removal of (old) cable for item no 66.	Mtr	50	18.07	904
68	For Item No 66 and 67 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	79.53	3976
69	Laying of underground LT cables (armoured/un-armoured) in existing prepared trench as per scope of work, size <u>2C/3C/3.5C/4C X 6 sq mm to 16 sq mm</u> . (Cable will be supplied by BHEL free of cost). As per scope of work and specifications. (Laying new cable)	Mtr	300	24.10	7230
70	Removal of (old ) cable for item no 69.	Mtr	200	6.02	1205
71	For Item No 69 and 70 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	25.30	1265
72	"Do as above for Item No-69" but with sand, bricks and flag stone as per scope of work.(Laying new cable)	Mtr	50	31.93	1597
73	Removal of cable for item no 72. as per scope of work.	Mtr	100	18.07	1807
74	For Item No 72 and 73 combined activity. (Removal old and Laying new cable) same place.	Mtr	200	45.79	9158
75	Laying of LT cables (armoured /un- armoured) as per specification in <u>AIR</u> with approved type of GI clamps, dully supported by 8 SWG GI Wire on bobbin insulator complete size <u>2C/3C/3.5C/4C X 6 sq mm to 16 sq mm</u> . (Cable will be supplied by BHEL free of cost) As per scope of work and specifications. (Laying new cable)	Mtr	500	24.10	12050
76	Removal of (old ) cable for item no 75.	Mtr	200	6.02	1205
77	For Item No 75 and 76 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	25.30	1265
78	Laying of LT cables (armoured /un- armoured) as per specification in <u>air</u> with approved type of GI clamps, dully supported by 8 SWG GI Wire on bobbin insulator complete size <u>3C/3.5C X 25 sq mm to 120 sq mm</u> . (Cable will be supplied by BHEL free of cost) As per scope of work and specifications. (Laying new cable)	Mtr	200	27.11	5422
79	Removal of (old ) cable for item no 78.	Mtr	200	9.04	1807
80	For Item No 78 and 79 combined activity.(Removal old and Laying new cable at same place).	Mtr	50	30.73	1536

81	Laying of LT cables armoured /un- armoured as per specification <u>in air</u> with approved type of GI clamps, dully supported by 8 SWG GI Wire on bobbin insulator complete <u>size 3C/3.5C cables ± 150 sq mm and above</u> . (Cable will be supplied by BHEL free of cost) As per scope of work and specifications. (Laying new cable)	Mtr	100	48.20	4820
82	Removal of (old )cable for item no 81.	Mtr	100	15.06	1506
83	For Item No 81 and 82 combined activity.(Removal old and Laying new cable at same place).	Mtr	50	54.22	2711
84	Disconnecting/Connecting and dismantling of existing O.H. service line of single / three phase from pole and quarter with all clamps, hardwares, jumper wires GI bearer wire, cut-outs, step poles etc. including separating, rolling and depositing the same at Sub-divisional store.	No.	300	8.98	2695
85	De/Re- stringing of existing HT/LT O.H. Lines for removing SAG/deformity/retightening of existing lines etc. including terminations complete as required.	Mtr	30000	7.19	215566
86	HT/LT O.H. Lines unbinding / binding on insulators, jumpers, joints connections / disconnection of service line wire, street light jumpers etc. complete as required.	Nos	1000	30.12	30124
87	Dismantling of existing O.H. HT/LT line conductor /guard wire of aluminium /copper / ACSR/GI wire of different sizes including un - binding of wire from insulators, joints, jumpers etc. and removing of wire to ground level separate- ing guarding, rolling the wire in coils and deposit- ing the same at sub divisional store.	mtr.	45000	2.59	116581
88	Dismantling of D/B/V type brackets/cross arms of various size fixed at various height/type of poles with clamps, hardwares etc., depositing all dismantled materials to sub- divisional store.	No.	200	12.05	2410
89	Dismantling of top clamp guard channel / guard angle/insulators/LA fixed at various heights/type of poles with clamps, hardwares etc. and depositing dismantled materials to sub- divisional store.	No	200	12.05	2410
90	Dismantling of D/B/V type bracket/top clamp guard channel / guard angle/insulators/LA fixed at various heights /type of poles with clamps, hardwares, separating insulators etc. and making the pole clear and depositing dismantled materials to sub- divisional store.	No	75	12.05	904
91	Dismantling and removing of existing PCC/ RCC / Rail / R S Joist/H-beam/I-beam etc. of different length from ground level including dressing of site and shifting of pole to respective Elect. Sub division store.	No.	20	361.49	7230
92	Dismantling and removing of existing defective 11 KV, A.B. Switch (GOD) with cross arms, handles, hardwares and insulators fixed at various heights on different type of poles and depositing the same at Elect. Store.	each Set	10	301.24	3012
93	- do as above- but for 11 KV drop out fuse( set of 3 Nos).	each Set	10	120.50	1205
94	Supply & installation of lamp post/bollards (LED/ IP65 enclosures) in Guest house/Parks/Bhel house.	No.	50	2600.00	130000
95	Supply & installation of decorative lights (LED/ IP65 enclosures) on water fountains in Guest house/Parks/Bhel house.	No.	20	2000.00	40000
96	Removal/cutting & disposal of Dead & Dangerous & Fallen trees, Trimming of trees being fallen on HT line	No.	50	680.00	34000
97	Removal/cutting & disposal of Dead & Dangerous & Fallen trees, Trimming of trees being fallen on LT line	No.	150	480.00	72000
98	Dismantling of existing street light fittings/general fittings i.e. tube light / M.V.lamp /sodium lamp/LED fittings from poles including brackets with clamps, wires, cut-outs etc. and depositing at sub-divisional store.	No	30	30.12	904
99	Installing of F.S.L. fittings/ 2 x 24 watt EF Fittings/LED luminaire/M.V.lamp /sodium lamp on various heights and type of existing poles as per scope of work.	No	50	90.37	4519
100	Supply of GI earth Strip of 25X3 mm	Mtr	150	8.55	1283
101	Supply of GI earth Strip of 50X6 mm	Mtr	75	12.83	962
102	Laying and installation of of GI earth Strip of 25X3 mm. with required hardwares.	Mtr	150	3.01	451
103	Laying and installation of of GI earth Strip of 50X6 mm. with required hardwares.	Mtr	75	3.01	226
<b>Grand Total ( In figures)</b>					<b>1495652</b>
<b>Grand Total ( In words) ( Fourteen Lakhs ninety five thousand six hundred fifty two)</b>					
<b>GST is extra as applicable</b>					
<b>Contractor quoted % (Below, At or Above par the Estimate) % and whether below, at or above par is to be clearly indicated.</b>					