

Tender No. TCIL/BPL/NIT/BKS/10-11/ELECTRICAL/01

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.

**Utility Shifting of Electrical Lines and Poles on Bina - Kurwai -
Sironj Road**

Sl. No.	Chainage	Amount
1	E-13 Ch.No. 45+200 to 54+800	926,790.94
2	E-14 Ch.No. 54+800 to 57+600	570,921.89
3	E-15 CH.N. 54+800 TO 57+600	646,681.75
Total Estimated Cost		2,144,394.57

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 11 KV LINE(O&M Division) SIRONJ
Ch.No. 45+200 to 54+800 E-13

S.No	Particulars	Unit	QTY	RATE	Amount
1	H.Beam 37.1 kg/mtr 13Mtr.Long	No	14	18,921.00	264,894.00
2	Stay Set 16 MM	No	16	621.00	9,936.00
3	11 KV V'Cross Arm	No.	6	524.00	3,144.00
4	11 KV Top Clamp	No.	25	149.00	3,725.00
5	D.C. Cross arm single pole cut point	Set	9	2,224.00	20,016.00
6	11 KV Pin Insulator With Pin	No.	36	90.00	3,240.00
7	Disc Insulator with hardware	No.	42	270.00	11,340.00
8	Concreting of Pole and Stay	Cmt.	13.9	2,183.00	30,343.70
9	AAAC Cond. 0.075 Sq.mm	Km.	1.02	42,486.00	43,335.72
10	11KV Guarding bracket	No.	12	1,566.00	18,792.00
11	G.I. Wire No. 8SWG	Kg	108	65.00	7,020.00
12	Clamps For H Beam/R.S.Joist	no.	67	122.00	8,174.00
13	M.S. Nut and Bolts	Kg	56	65.00	3,640.00
14	Red Oxide Paint	Ltr	14	100.00	1,400.00
15	Alluminium Paint	Ltr	14	163.00	2,282.00
16	M.S. Channel 100x50 MM (Height ext.& side bracket)	Kg	0	42.00	-
17	M.S. Angel 65x65x6 MM (Height ext.& side bracket)	Kg	325	42.00	13,650.00
18	Earthing Coil	No.	14	126.00	1,764.00
19	Anti Climbing Device	No.	14	214.00	2,996.00
20	Danger Board	No.	14	68.00	952.00
21	Binding Wire & Tape	Kg	7	105.00	735.00
22	DC cross arm 4 ft. centre	Set	0	2,224.00	-
23	11 KV Cross brasin	Set	0	2,193.00	-
24	Sundries	L.S.		-	-
	TOTAL I				451,379.42
	Centeges 7%				31,596.56
	Labour Charges 10%				45,137.94
	Transportation charges 4%				18,055.18
	TOTAL II				528,113.92

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR LT LINE(O&M Division) SIRONJ
Ch.No. 45+200 to 54+800 E-13

S.No	Particulars	Unit	QTY	RATE	AMOUNT
1	H.Beam 37.1 kg/mtr 11Mtr.Long	No	11	16,010.00	176,110.00
2	Stay Set 16 MM	No.	10	621.00	6,210.00
3	L.T. 5 Pin bracket	No.	12	509.00	6,108.00
4	L.T. Shackle Insulator with hardware 75x90MM	No.	60	37.00	2,220.00
5	Concreting of Pole,Stay & Stud	Cmt.	8.35	2,183.00	18,228.05
6	AAAC Cond. 0.05 Sq.mm	Km.	2.53	28,721.00	72,664.13
7	AAAC Cond. 0.03 Sq.mm	Km.	0.27	19,233.00	5,192.91
8	G.I. Wire No. 8/10 SWG	Kg	36	65.00	2,340.00
9	XLPE PVC Cable 70 Sq.mm single Core	Mtr	0	200.00	-
10	PVC Cable 2.5Sq.mm 2 Core	Mtr	225	33.00	7,425.00
11	PVC Cable 6 Sq.mm 4 Core	Mtr	185	66.00	12,210.00
12	MS Angle 50x50x5 (Guarding & height ext.)	Kg	95	42.00	3,990.00
13	Clamps For H Beam	no.	24	122.00	2,928.00
14	M.S. Nut and Bolts	Kg	44	65.00	2,860.00
15	Earthing Coil	No.	11	126.00	1,386.00
16	Red Oxide Paint	Ltr	11	100.00	1,100.00
17	Alluminium Paint	Ltr	11	163.00	1,793.00
18	Binding Wire & Tape	Kg	5.5	105.00	577.50
19	Sundries	L.S.		-	-
	TOTAL I				323,342.59
	Centeges 7%				22,633.98
	Labour Charges 10%				32,334.26
	Transportation charges 4%				12,933.70
	TOTAL II				378,310.83

**Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 45+200 + 54+800 (GANJ BASODA)**

E-13

S.No	Particulars	Unit	QTY	RATE	Amount
1	PCC pole irrection complete	No.	24	400.00	9,600.00
2	Rail pole/RS Joist/H. Beam erection complete	No.	0	550.00	-
3	Shifting of material	No.	23	50.00	1,150.00
4	Transportation of Railpole/RS Joist/H'beam from Road to pit.	No.	0	250.00	-
5	Fixing of L.T. Cross arm etc.	No.	9	40.00	360.00
6	V cross arm fixing with top clamp 11 KV	No.	7	40.00	280.00
7	V cross arm fixing with top clamp 33 KV	No.	0	50.00	-
8	Insulator fixing on each location 11 KV	No.	30	10.00	300.00
9	Insulator fixing on each location 33 KV	No.	0	20.00	-
10	Stringing of conductor LT line	No.	0.35	1,500.00	525.00
11	Stringing of conductor 11 KV	No.	0.18	4,500.00	810.00
12	Stringing of conductor 33 KV	No.	0	6,000.00	-
13	Fixing of L.A. Set	No.	3	100.00	300.00
14	Fixing of L.T. distribution box	No.	0	600.00	-
15	Fixing of D.O. Set	No.	0	150.00	-
16	Handing & Installing Transformer	No.	0	1,000.00	-
17	Transportation			-	-
18	Total				13,325.00
19	Add 5% for the year 08-09				666.25
20	Total				13,991.25
21	Add 5% for the year 09-10				699.56
22	Total				14,690.81
23	Add 5% for the year 10-11				734.54
24	Total Cost of irrection				15,425.35
25	Labour for dismentling work 50% of erection cost				7,712.68
26	Transportation charges 4% on cost of material returned to MPSEB stores.				308.51
27	TOTAL II				8,021.18

**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 45+200 TO 54+800 (SIRONJ) E-13**

S.No	Particulars	Unit	QTY	RATE	AMOUNT
1	Rail pole	Kg.	0	15.00	-
2	H-beam	Kg.	0	15.00	-
3	R.S.Joist	Kg.	378	15.00	5,670.00
4	Scrap Conductor ACSR	Kg.	75	60.00	4,500.00
5	Steel Scrap	Kg.	145	15.00	2,175.00
	TOTAL				12,345.00

Total Estimated Cost					926,790.94
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**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 33 KV LINE(O&M Division) SIRONJ
Ch.No. 54+800 to 57+600 E-14**

S.No	Particulars	Unit	QTY	RATE	Amount
1	H.Beam 37.1 kg/mtr 13Mtr.Long	No	6	18,921.00	113,526.00
2	Stay Set 20 MM	No	9	1,016.00	9,144.00
3	33 KV V'Cross Arm	No.	3	1,044.00	3,132.00
4	33 KV Top Clamp	No.	9	152.00	1,368.00
5	D.C. Cross arm single pole cut point 33 KV	Set	3	2,658.00	7,974.00
6	33 KV Pin Insulator With Pin	No.	15	335.00	5,025.00
7	33 KV Disc Insulator with hardware	No.	18	1,024.00	18,432.00
8	Concreting of Pole and Stay	Cmt.	6.6	2,183.00	14,407.80
9	AAAC Cond. 100mm dog	Km.	1.2	53,651.00	64,381.20

10	33KV Guarding bracket (Channel & Hight Channel)	No.	6	1,885.00	11,310.00
11	G.I. Wire No. 6/8SWG	Kg	108	65.00	7,020.00
12	Clamps For H Beam/R.S.Joist	no.	27	122.00	3,294.00
13	M.S. Nut and Bolts	Kg	24	65.00	1,560.00
14	Red Oxide Paint	Ltr	6	100.00	600.00
15	Alluminium Paint	Ltr	6	163.00	978.00
16	M.S. Channel 100x50 MM (Hight ext. & side bracket)	Kg	0	42.00	-
17	M.S. Angel 65x65x6 MM (Hight ext. & side bracket)	Kg	172	42.00	7,224.00
18	Earthing Coil	No.	6	126.00	756.00
19	Anti Climbing Device	No.	6	214.00	1,284.00
20	Danger Board	No.	6	68.00	408.00
21	Binding Wire & Tape	Kg	3	105.00	315.00
22	Sundries	L.S.		-	-
23	TOTAL I				272,139.00
24	Centeges7%				19,049.73
25	Labour Charges 10%				27,213.90
26	Transportation charges 4%				10,885.56
27	TOTAL II				318,402.63

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 11 KV LINE(O&M Division) SIRONJ
Ch.No. 54+800 to 57+600 E-14

S.No	Particulars	Unit	QTY	RATE	Amount
1	H.Beam 37.1 kg/mtr 13Mtr.Long	No	6	18,921.00	113,526.00
2	Stay Set 16 MM	No	8	621.00	4,968.00
3	11 KV V/Cross Arm	No.	5	524.00	2,620.00
4	11 KV Top Clamp	No.	15	149.00	2,235.00
5	D.C. Cross arm single pole cut point	Set	5	2,224.00	11,120.00
6	11 KV Pin Insulator With Pin	No.	25	90.00	2,250.00
7	Disc Insulator with hardware	No.	24	270.00	6,480.00
8	Concreting of Pole and Stay	Cmt.	6.3	2,183.00	13,752.90
9	AAAC Cond. 0.075 Sq.mm	Km.	0.45	42,486.00	19,118.70
10	11KV Guarding bracket	No.	6	1,566.00	9,396.00
11	G.I. Wire No. 8SWG	Kg	54	65.00	3,510.00
12	Clamps For H Beam/R.S.Joist	no.	30	122.00	3,660.00
13	M.S. Nut and Bolts	Kg	24	65.00	1,560.00
14	Red Oxide Paint	Ltr	6	100.00	600.00
15	Alluminium Paint	Ltr	6	163.00	978.00
16	M.S. Channel 100x50 MM (Height ext.& side bracket)	Kg	0	42.00	-
17	M.S. Angel 65x65x6 MM (Height ext.& side bracket)	Kg	172	42.00	7,224.00
18	Earthing Coil	No.	6	126.00	756.00
19	Anti Climbing Device	No.	6	214.00	1,284.00
20	Danger Board	No.	6	68.00	408.00
21	Binding Wire & Tape	Kg	3	105.00	315.00
22	DC cross arm 4 ft. centre	Set	0	2,224.00	-
23	11 KV Cross brasin	Set	0	2,193.00	-
24	Sundries	L.S.		-	-
25	TOTAL I				205,761.60
26	Centeges 7%				14,403.31
27	Labour Charges 10%				20,576.16
28	Transportation charges 4%				8,230.46
29	TOTAL II				240,741.07

Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 45+800 + 57+600 (GANJ BASODA)
E-14

S.No	Particulars	Unit	QTY	RATE	Amount
1	PCC pole irrection complete	No.	12	400.00	4,800.00
2	Rail pole/RS Joist/H. Beam erection complete	No.	0	550.00	-
3	Shifting of material	No.	12	50.00	600.00
4	Transportation of Railpole/RS Joist/H'beam from Road to pit.	No.	0	250.00	-
5	Fixing of L.T. Cross arm etc.	No.	0	40.00	-
6	V cross arm fixing with top clamp 11 KV	No.	10	40.00	400.00
7	V cross arm fixing with top clamp 33 KV	No.	5	50.00	250.00
8	Insulator fixing on each location 11 KV	No.	30	10.00	300.00
9	Insulator fixing on each location 33 KV	No.	15	20.00	300.00

10	Stringing of conductor LT line	No.	0	1,500.00	-
11	Stringing of conductor 11 KV	No.	0.12	4,500.00	540.00
12	Stringing of conductor 33 KV	No.	0.09	6,000.00	540.00
13	Fixing of L.A. Set	No.	0	100.00	-
14	Fixing of L.T. distribution box	No.	0	600.00	-
15	Fixing of D.O. Set	No.	0	150.00	-
16	Handing & Installing Transformer	No.	0	1,000.00	-
17	Transportation			-	-
18	Total				7,730.00
19	Add 5% for the year 08-09				386.50
20	Total				8,116.50
21	Add 5% for the year 09-10				405.83
22	Total				8,522.33
23	Add 5% for the year 10-11				426.12
24	Total Cost of irrection				8,948.44
25	Labour for dismentling work 50% of erection cost				4,474.22
26	Transportation charges 4% on cost of material returned to MPSEB stores.				178.97
27	TOTAL II				4,653.19

**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 54+800 TO 57+600 (SIRONJ) E-14**

S.No	Particulars	Unit	QTY	RATE	AMOUNT
1	Rail pole	Kg.	0	15.00	-
2	H-beam	Kg.	0	15.00	-
3	R.S.Joist	Kg.	0	15.00	-
4	Scrap Conductor ACSR	Kg.	75	60.00	4,500.00
5	Steel Scrap	Kg.	175	15.00	2,625.00
	TOTAL				7,125.00

Total Estimated Cost				570,921.89
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**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR LT LINE(O&M Division) SIRONJ
Ch.No. 54+800 to 57+600 E-15**

S.No	Particulars	Unit	QTY	RATE	Amount
1	H.Beam 37.1 kg/mtr 11Mtr.Long	No	18	16,010.00	288,180.00
2	Stay Set 16 MM	No.	18	621.00	11,178.00
3	L.T. 5 Pin bracket	No.	22	509.00	11,198.00
4	L.T. Shackle Insulator with hardware 75x90MM	No.	110	37.00	4,070.00
5	Concreting of Pole,Stay & Stud	Cmt.	14.1	2,183.00	30,780.30
6	AAAC Cond. 0.05 Sq.mm	Km.	3.68	28,721.00	105,693.28
7	AAAC Cond. 0.03 Sq.mm	Km.	1.82	19,233.00	35,004.06
8	G.I. Wire No. 8/10 SWG	Kg	36	65.00	2,340.00
9	XLPE PVC Cable 70 Sq.mm single Core	Mtr	0	200.00	-
10	PVC Cable 2.5Sq.mm 2 Core	Mtr	225	33.00	7,425.00
11	PVC Cable 6 Sq.mm 4 Core	Mtr	165	66.00	10,890.00
12	MS Angle 50x50x5 (Guarding & height ext.)	Kg	135	42.00	5,670.00
13	Clamps For H Beam	no.	46	122.00	5,612.00
14	M.S. Nut and Bolts	Kg	72	65.00	4,680.00
15	Earthing Coil	No.	18	126.00	2,268.00
16	Red Oxide Paint	Ltr	18	100.00	1,800.00
17	Alluminium Paint	Ltr	18	163.00	2,934.00
18	Binding Wire & Tape	Kg	9	105.00	945.00
19	Sundries	L.S.		-	-
	TOTAL I				530667.64
	Centeges 7%				37146.73
	Labour Charges 10%				53066.76
	Transportation charges 4%				21226.71
	TOTAL II				620881.14

**Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 54+800 + 57+600 (SIRONJ)**

E-15

S.No	Particulars	Unit	QTY	RATE	Amount
1	PCC pole irrection complete	No.	13	400.00	5,200.00
2	Rail pole/RS Joist/H. Beam erection complete	No.	0	550.00	-
3	Shifting of material	No.	13	50.00	650.00
4	Transportation of Railpole/RS Joist/H'beam from Road to pit.	No.	10	250.00	2,500.00
5	Fixing of L.T. Cross arm etc.	No.	13	40.00	520.00
6	V cross arm fixing with top clamp 11 KV	No.	0	40.00	-
7	V cross arm fixing with top clamp 33 KV	No.	0	50.00	-
8	Insulator fixing on each location 11 KV	No.	0	10.00	-
9	Insulator fixing on each location 33 KV	No.	0	20.00	-
10	Stringing of conductor LT line	No.	0.4	1,500.00	600.00
11	Stringing of conductor 11 KV	No.	0	4,500.00	-
12	Stringing of conductor 33 KV	No.	0	6,000.00	-
13	Fixing of L.A. Set	No.	0	100.00	-
14	Fixing of L.T. distribution box	No.	0	600.00	-
15	Fixing of D.O. Set	No.	0	150.00	-
16	Handing & Installing Transformer	No.	0	1,000.00	-
17	Transportation			-	-
	Total				9470.00
	Add 5% for the year 08-09				473.50
	Total				9943.50
	Add 5% for the year 09-10				497.18
	Total				10440.68
	Add 5% for the year 10-11				522.03
	Total Cost of irrection				10962.71
	Labour for dismantling work 50% of erection cost				5481.35
	Transportation charges 4% on cost of material returned to MPSEB stores.				219.25
	TOTAL II				5700.61

MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 54+800 TO 57+600 (SIRONJ) E-15

S.No	Particulars	Unit	QTY	RATE	AMOUNT
1	Rail pole	Kg.	0	15.00	-
2	H-beam	Kg.	0	15.00	-
3	R.S.Joist	Kg.	980	15.00	14,700.00
4	Scrap Conductor ACSR	Kg.	70	60.00	4,200.00
5	Steel Scrap	Kg.	80	15.00	1,200.00
	TOTAL				20100.00
Total Estimated Cost					646681.75