

TCIL/BPL/NIT/BKS/10-11/ELECTRICAL/03

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-7 Ch.No. 6+800 to 16+400	891,168.94
2	E-8 Ch.No. 6+800 TO 16+400	545,961.66
3	E-9 Ch.No. 20+700 to 28+300	883,973.90
Total Estimated Cost		2,321,104.50

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR LT LINE(O&M Division) BINA
Ch.No. 6+800 to 16+400 E-7

S.No	Particulars	Unit	QTY	RATE	Amount
1	H.Beam 37.1 kg/mtr 11Mtr.Long	No	28	16,010.00	448,280.00
2	Stay Set 16 MM	No.	18	621.00	11,178.00
3	A.B. cable Hanging Clamp	No.	28	526.00	14,728.00
4	Suspension Clamp	No.	28	463.00	12,964.00
5	Concreting of Pole, Stay & Stud	Cmt.	21.8	2,183.00	47,589.40
6	Deade end Clamp	No.	28	273.00	7,644.00
7	Clamps For Nutral	No.	28	50.00	1,400.00
8	G.I. Wire No. 8/10 SWG	Kg	60	65.00	3,900.00
9	XLPE PVC Cable 50 Sq.mm Four Core	Mtr	1500	94.30	141,450.00
10	PVC Cable 2.5Sq.mm 2 Core	Mtr	325	33.00	10,725.00
11	PVC Cable 6 Sq.mm 4 Core	Mtr	110	66.00	7,260.00
12	MS Angle 50x50x5 (Guarding & height ext.)	Kg	180	40.00	7,200.00
13	Clamps For H Beam	no.	67	122.00	8,174.00
14	M.S. Nut and Bolts	Kg	112	58.00	6,496.00
15	Earthing Coil	No.	28	126.00	3,528.00
16	Red Oxide Paint	Ltr	28	100.00	2,800.00
17	Alluminium Paint	Ltr	28	163.00	4,564.00
18	Binding Wire & Tape	Kg	14	105.00	1,470.00
19	Piercing Connector	No	90	98.00	8,820.00
	TOTAL I				750170.40
	Centeges 7%				52511.93
	Labour Charges 10%				75017.04
	Transportation charges 4%				75017.04
	TOTAL II				877699.37

Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 6+800 to 16+400 (BINA)

E-7

S.No	Particulars	Unit	QTY	RATE	Amount
1	PCC pole irrection complete	No.	17	400.00	6,800.00
2	Rail pole/RS Joist/H. Beam erection complete	No.	0	550.00	-
3	Shifting of material	No.	17	50.00	850.00
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.	17	40.00	680.00
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.	0.41	1,500.00	615.00
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				8945.00
	Add 5% for the year 08-09				447.25
	Total				9392.25
	Add 5% for the year 09-10				469.61
	Total				9861.86
	Add 5% for the year 10-11				493.09
	Total Cost of irrection				10354.96
	Labour for dismentling work 50% of erection cost				5177.48
	Transportation charges 4% on cost of material returned to MPSEB stores.				207.10
	TOTAL II				5384.58

MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 6+800 TO 16+400 (BINA) E-7

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.	105	60.00	6,300.00
5	Steel Scrap	Kg.	119	15.00	1,785.00
	TOTAL				8085.00

Total Estimated Cost	891168.94
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M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 11 KV LINE(O&M Division) GANJ BASODA
Ch.No. 6+800 to 16+400 E-8

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	14	621.00	8,694.00
3	11 KV V/Cross Arm	No.	7	524.00	3,668.00
4	11 KV Top Clamp	No.	21	149.00	3,129.00
5	D.C. Cross arm single pole cut point	Set	7	2,224.00	15,568.00
6	11 KV Pin Insulator With Pin	No.	35	90.00	3,150.00
7	Disc Insulator with hardware	No.	42	270.00	11,340.00
8	Concreting of Pole and Stay	Cmt.	13.3	2,183.00	29,033.90
9	AAAC Cond. 0.075 Sq.mm	Km.	1.2	42,486.00	50,983.20
10	11KV Guarding bracket	No.	14	1,566.00	21,924.00
11	G.I. Wire No. 8SWG	Kg	126	65.00	8,190.00
12	Clamps For H Beam/R.S.Joist	no.	63	122.00	7,686.00
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	280	42.00	11,760.00
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				453789.10
	Centeges7%				31765.24
	Labour Charges 10%				45378.91
	Transportation charges 4%				18151.56
	TOTAL II				530933.25

Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 6+800 to 16+400 (GANJ BASODA)
E-8

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.	9	50.00	450.00
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.	9	40.00	360.00
7	V cross arm fixing with top clamp 33 KV	No.	0	50.00	-
8	Insulator fixing on each location 11 KV	No.	27	10.00	270.00
9	Insulator fixing on each location 33 KV	No.	0	20.00	-
10	Stringing of conductor LT line	No.	0	1,500.00	-
11	Stringing of conductor 11 KV	No.	0.21	4,500.00	945.00
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				0.00
	Total				6825.00
	Add 5% for the year 08-09				341.25
	Total				7166.25
	Add 5% for the year 09-10				358.31
	Total				7524.56
	Add 5% for the year 10-11				376.23
	Total Cost of irrection				7900.79
	Labour for dismentling work 50% of erection cost				3950.40
	Transportation charges 4% on cost of material returned to MPSEB stores.				158.02
	TOTAL II				4108.41

**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 6+800 TO 16+400 (GANJ BASODA) E-8**

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.	65	60.00	3,900.00
5	Steel Scrap	Kg.	90	15.00	1,350.00
	TOTAL				10920.00

Total Estimated Cost	545961.66
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**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 33 KV LINE(O&M Division) GANJ BASODA
Ch.No. 20+700 to 28+300 E-9**

S.No	Particulars	Unit	QTY	RATE	Amount
1	H.Beam 37.1 kg/mtr 13Mtr.Long	No	2	18,921.00	37,842.00
2	Stay Set 20 MM	No	3	1,016.00	3,048.00
3	33 KV V'Cross Arm	No.	1	1,044.00	1,044.00
4	33 KV Top Clamp	No.	3	152.00	456.00
5	D.C. Cross arm single pole cut point 33 KV	Set	1	2,658.00	2,658.00
6	33 KV Pin Insulator With Pin	No.	9	335.00	3,015.00
7	33 KV Disc Insulator with hardware	No.	18	1,024.00	18,432.00
8	Concreting of Pole and Stay	Cmt.	2.2	2,183.00	4,802.60
9	AAAC Cond. 100mm dog	Km.	0.18	53,651.00	9,657.18
10	33KV Guarding bracket (Channel & Hight Channel)	No.	2	1,885.00	3,770.00
11	G.I. Wire No. 6/8SWG	Kg	36	65.00	2,340.00
12	Clamps For H Beam/R.S.Joist	no.	9	122.00	1,098.00
13	M.S. Nut and Bolts	Kg	8	65.00	520.00
14	Red Oxide Paint	Ltr	2	100.00	200.00
15	Alluminium Paint	Ltr	2	163.00	326.00
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	24	42.00	1,008.00
18	Earthing Coil	No.	2	126.00	252.00

19	Anti Climbing Device	No.	2	214.00	428.00
20	Danger Board	No.	2	68.00	136.00
21	Binding Wire & Tape	Kg	1	105.00	105.00
22	Sundries	L.S.		-	-
	TOTAL I				91137.78
	Centeges7%				6379.64
	Labour Charges 10%				9113.78
	Transportation charges 4%				3645.51
	TOTAL II				106631.20

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 11 KV LINE(O&M Division) GANJ BASODA
Ch.No. 20+700 to 28+300 E-9

S.No	Particulars	Unit	QTY	RATE	Amount
1	H.Beam 37.1 kg/mtr 13Mtr.Long	No	10	18,921.00	189,210.00
2	Stay Set 16 MM	No	10	621.00	6,210.00
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.	30	270.00	8,100.00
8	Concreting of Pole and Stay	Cmt.	9.5	2,183.00	20,738.50
9	AAAC Cond. 0.075 Sq.mm	Km.	0.9	42,486.00	38,237.40
10	11KV Guarding bracket	No.	10	1,566.00	15,660.00
11	G.I. Wire No. 8SWG	Kg	90	65.00	5,850.00
12	Clamps For H Beam/R.S.Joist	no.	45	122.00	5,490.00
13	M.S. Nut and Bolts	Kg	40	65.00	2,600.00
14	Red Oxide Paint	Ltr	10	100.00	1,000.00
15	Alluminium Paint	Ltr	10	163.00	1,630.00
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	190	42.00	7,980.00
18	Earthing Coil	No.	10	126.00	1,260.00
19	Anti Climbing Device	No.	10	214.00	2,140.00
20	Danger Board	No.	10	68.00	680.00
21	Binding Wire & Tape	Kg	5	105.00	525.00
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				325535.90
	Centeges 7%				22787.51
	Labour Charges 10%				32553.59
	Transportation charges 4%				13021.44
	TOTAL II				380877.00

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR LT LINE(O&M Division) GANJ BASODA
Ch.No. 20+700 to 28+300 E-9

S.No	Particulars	Unit	QTY	RATE	AMOUNT
1	H.Beam 37.1 kg/mtr 11Mtr.Long	No	12	16,010.00	192,120.00
2	Stay Set 16 MM	No.	10	621.00	6,210.00
3	L.T. 4 Pin bracket	No.	13	509.00	6,617.00
4	L.T. Shackle Insulator with hardware 75x90MM	No.	52	37.00	1,924.00
5	Concreting of Pole, Stay & Stud	Cmt.	9.6	2,183.00	20,956.80
6	AAAC Cond. 0.05 Sq.mm	Km.	2.38	28,721.00	68,355.98
7	AAAC Cond. 0.03 Sq.mm	Km.	0.86	17,917.00	15,408.62
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	0	33.00	-
11	PVC Cable 6 Sq.mm 4 Core	Mtr	0	66.00	-
12	MS Angle 50x50x5 (Guarding & height ext.)	Kg	55	42.00	2,310.00
13	Clamps For H Beam	no.	25	122.00	3,050.00

14	M.S. Nut and Bolts	Kg	48	65.00	3,120.00
15	Earthing Coil	No.	12	126.00	1,512.00
16	Red Oxide Paint	Ltr	12	100.00	1,200.00
17	Alluminium Paint	Ltr	12	163.00	1,956.00
18	Binding Wire & Tape	Kg	6	105.00	630.00
19	Sundries	L.S.		-	-
	TOTAL I				327710.40
	Centeges7%				22939.73
	Labour Charges 10%				32771.04
	Transportation Charges 4%				13108.42
	TOTAL II				383421.17

**Schedule for dismantling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 20+700 to 28+300 (GANJ BASODA)**

E-9

S.No	Particulars	Unit	QTY	RATE	Amount
1	PCC pole irrection complete	No.	19	400.00	7,600.00
2	Rail pole/RS Joist/H. Beam erection complete	No.	0	550.00	-
3	Shifting of material	No.	18	50.00	900.00
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.	11	40.00	440.00
6	V cross arm fixing with top clamp 11 KV	No.	8	40.00	320.00
7	V cross arm fixing with top clamp 33 KV	No.	0	50.00	-
8	Insulator fixing on each location 11 KV	No.	24	10.00	240.00
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.	0.15	4,500.00	675.00
12	Stringing of conductor 33 KV	No.	0.03	6,000.00	180.00
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				10955.00
	Add 5% for the year 08-09				547.75
	Total				11502.75
	Add 5% for the year 09-10				575.14
	Total				12077.89
	Add 5% for the year 10-11				603.89
	Total Cost of irrection				12681.78
	Labour for dismantling work 50% of erection cost				6340.89
	Transportation charges 4% on cost of material returned to MPSEB stores.				253.64
	TOTAL II				6594.53

**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 20+700 TO 28+300 (GANJ BASODA) E-9**

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.	70	60.00	4,200.00
5	Steel Scrap	Kg.	150	15.00	2,250.00
	TOTAL				6450.00

Total Estimated Cost	883973.90
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