

TCIL/BPL/NIT/BKS/10-11/ELECTRICAL/02

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-10 Ch.No. 28+300 to 28+800	950,514.57
2	E-11 Ch.No. 28+300 to 28+800	575,888.17
3	E-12 Ch.No. 28+800 to 45+200	878,585.27
Total Estimated Cost		2,404,988.01

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 11 KV LINE(O&M Division) GANJ BASODA
Ch.No. 28+300 to 28+800 (ASHOK NAGAR, BHOPAL ROAD JUNCTION) E-10

S.No	Particulars	Unit	QTY	RATE	Amount
1	H.Beam 37.1 kg/mtr 13Mtr.Long	No	13	18,921.00	245,973.00
2	Stay Set 16 MM	No	19	621.00	11,799.00
3	11 KV V/Cross Arm	No.	4	524.00	2,096.00
4	11 KV Top Clamp	No.	18	149.00	2,682.00
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.	26	90.00	2,340.00
7	Disc Insulator with hardware	No.	57	270.00	15,390.00
8	Concreting of Pole and Stay	Cmt.	14.15	2,183.00	30,889.45
9	AAAC Cond. 0.075 Sq.mm	Km.	1.8	42,486.00	76,474.80
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.	65	122.00	7,930.00
13	M.S. Nut and Bolts	Kg	52	65.00	3,380.00
14	Red Oxide Paint	Ltr	13	100.00	1,300.00
15	Alluminium Paint	Ltr	13	163.00	2,119.00
16	M.S. Channel 100x50 MM (Height ext.& side bracket)	Kg	185	42.00	7,770.00
17	M.S. Angel 65x65x6 MM (Height ext.& side bracket)	Kg	240	42.00	10,080.00
18	Earthing Coil	No.	13	126.00	1,638.00
19	Anti Climbing Device	No.	13	214.00	2,782.00
20	Danger Board	No.	13	68.00	884.00
21	Binding Wire & Tape	Kg	6.5	105.00	682.50
22	DC cross arm 4 ft. centre	Set	12	2,224.00	26,688.00
23	11 KV Cross brasin	Set	4	2,193.00	8,772.00
24	Sundries	L.S.		-	-
	TOTAL I				490143.75
	Centeges 7%				34310.06
	Labour Charges 10%				49014.38
	Transportation charges 4%				19605.75
	TOTAL II				573468.19

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR S/S LINE(O&M Division) GANJ BASODA
Ch.No. 28+300 to 28+800 (ASHOK NAGAR, BHOPAL ROAD JUNCTION) E-10

S.No	Particulars	Unit	QTY	Rate	Amount
1	H.Beam 37.1 kg/mtr 13Mtr.Long	No.	4	18,921.00	75,684.00
2	Stay Set 16 MM	No	8	621.00	4,968.00
3	11 KV V/Cross Arm	No	2	524.00	1,048.00
4	11 KV Top Clamp	No.	6	149.00	894.00
5	D.C. Cross arm 8' Center	Set	4	2,338.00	9,352.00
6	11 KV Pin Insulator With Pin	Set	18	90.00	1,620.00
7	Concreting of Pole and Stay	Cmt.	5	2,183.00	10,915.00
8	D.O. and L.A Mounting Channel	No.	2	807.00	1,614.00
9	11 KV D.O. Fuse Unit	No.	2	3,219.00	6,438.00
10	11 KV AB Switch	No.	2	4,907.00	9,814.00
11	11KV lighting Arrestor	No.	6	372.00	2,232.00
12	Transformer Mounting Channel	No.	2	2,193.00	4,386.00
13	L.T. Dist.Box Suitable For 100KVA	No.	2	11,819.00	23,638.00
14	L.T. Dist.Box Suitable For 200KVA	No.	0	20,208.00	-
15	Cable 300 Sq.mm XLPE Single Core	Mtr	0	580.00	-
16	Cable 150 Sq.mm XLPE Single Core	Mtr	320	290.00	92,800.00
17	Cable 70 Sq.mm XLPE Single Core	Mtr	100	200.00	20,000.00
18	Clamps For H Beam/R.S. Joist	no.	50	122.00	6,100.00
19	Earthing Coil	No.	4	126.00	504.00
20	Earthing Set	No.	2	2,445.00	4,890.00
21	M.S. Nut and Bolts	Kg	50	65.00	3,250.00
22	AAAC CONDUCTOR 0.075MM	km	0.18	42,486.00	7,647.48
23	Red Oxide Paint	Ltr	8	100.00	800.00
24	Alluminium Paint	Ltr	8	163.00	1,304.00
25	Anti Climbing Device	No.	4	214.00	856.00
26	Danger Board	No.	4	68.00	272.00
27	Binding Wire & Tape	Kg	4	105.00	420.00

28	MS Angle for transformer belting, distribution box angle	Kg	112	42.00	4,704.00
29	L.T. Dist.Box suitable for 25/63 KVA	No.	0	11,486.00	-
30	Sundries	L.S.		-	-
	TOTAL I				296150.48
	Centeges7%				20730.53
	Labour Charges 10%				29615.05
	Labour for transformer shifting 4%				11846.02
	Transportation charges 4%				11846.02
	TOTAL II				358342.08

**Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 28+300 to 28+800 (ASHOK NAGAR, BHOPAL ROAD JUNCTION)
E-10**

S.No	Particulars	Unit	QTY	RATE	Amount
1	PCC pole irrection complete	No.	14	400.00	5,600.00
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.	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.	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.	21	10.00	210.00
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.	0.36	4,500.00	1,620.00
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.	2	600.00	1,200.00
15	Fixing of D.O. Set	No.	2	150.00	300.00
16	Handing & Installing Transformer	No.	2	1,000.00	2,000.00
17	Transportation				
	Total				11860.00
	Add 5% for the year 08-09				593.00
	Total				12453.00
	Add 5% for the year 09-10				622.65
	Total				13075.65
	Add 5% for the year 10-11				653.78
	Total Cost of irrection				13729.43
	Labour for dismentling work 50% of erection cost				6864.72
	Transportation charges 4% on cost of material returned to MPSEB stores.				274.59
	TOTAL II				7139.30

**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 28+300 TO 28+800 (ASHOK NAGAR BHOPAL ROAD JUNCTION) E-10**

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.	126	15.00	1,890.00
4	Scrap Conductor ACSR	Kg.	65	60.00	3,900.00
5	Steel Scrap	Kg.	385	15.00	5,775.00
	TOTAL				11565.00

Total Estimated Cost				950514.57
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**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR LT LINE(O&M Division) GANJ BASODA
Ch.No. 28+300 to 28+800 (ASHOK NAGAR, BHOPAL ROAD JUNCTION) E-11**

S.No	Particulars	Unit	QTY	RATE	Amount
1	H.Beam 37.1 kg/mtr 11Mtr.Long	No	17	16,010.00	272,170.00

2	Stay Set 16 MM	No.	10	621.00	6,210.00
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.	11.05	2,183.00	24,122.15
6	AAAC Cond. 0.05 Sq.mm	Km.	3.13	28,721.00	89,896.73
7	AAAC Cond. 0.03 Sq.mm	Km.	1.42	19,233.00	27,310.86
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	275	70.00	19,250.00
11	PVC Cable 6 Sq.mm 4 Core	Mtr	85	66.00	5,610.00
12	MS Angle 50x50x5 (Guarding & height ext.)	Kg	85	42.00	3,570.00
13	Clamps For H Beam	no.	42	122.00	5,124.00
14	M.S. Nut and Bolts	Kg	68	65.00	4,420.00
15	Earthing Coil	No.	17	126.00	2,142.00
16	Red Oxide Paint	Ltr	17	100.00	1,700.00
17	Alluminium Paint	Ltr	17	163.00	2,771.00
18	Binding Wire & Tape	Kg	8.5	105.00	892.50
19	Sundries	L.S.		-	-
	TOTAL I				482797.24
	Centeges7%				33795.81
	Labour Charges 10%				48279.72
	Transportation charges 4%				19311.89
	TOTAL II				564872.77

**Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 28+300 to 28+800 (ASHOK NAGAR BHOPAL ROAD JNC.)**

E-11

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.	0.35	1,500.00	525.00
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				8855.00
	Add 5% for the year 08-09				442.75
	Total				9297.75
	Add 5% for the year 09-10				464.89
	Total				9762.64
	Add 5% for the year 10-11				488.13
	Total Cost of irrection				10250.77
	Labour for dismentling work 50% of erection cost				5125.38
	Transportation charges 4% on cost of material returned to MPSEB stores.				205.02
	TOTAL II				5330.40

MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.

MATERIAL RETURN SCHEDULE

CH.N. 28+300 TO 28+800 (ASHOK NAGAR BHOPAL ROAD JUNCTION) E-11

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.	65	60.00	3,900.00
5	Steel Scrap	Kg.	119	15.00	1,785.00

	TOTAL				5685.00
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Total Estimated Cost					575888.17
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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. 28+800 to 45+200 E-12**

S.No	Particulars	Unit	QTY	RATE	Amount
1	H.Beam 37.1 kg/mtr 13Mtr.Long	No	18	18,921.00	340,578.00
2	Stay Set 16 MM	No	18	621.00	11,178.00
3	11 KV V'Cross Arm	No.	9	524.00	4,716.00
4	11 KV Top Clamp	No.	27	149.00	4,023.00
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.	45	90.00	4,050.00
7	Disc Insulator with hardware	No.	54	270.00	14,580.00
8	Concreting of Pole and Stay	Cmt.	17.1	2,183.00	37,329.30
9	AAAC Cond. 0.075 Sq.mm	Km.	1.8	42,486.00	76,474.80
10	11KV Guarding bracket	No.	18	1,566.00	28,188.00
11	G.I. Wire No. 8SWG	Kg	162	65.00	10,530.00
12	Clamps For H Beam/R.S.Joist	no.	81	122.00	9,882.00
13	M.S. Nut and Bolts	Kg	72	65.00	4,680.00
14	Red Oxide Paint	Ltr	18	100.00	1,800.00
15	Alluminium Paint	Ltr	18	163.00	2,934.00
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	345	42.00	14,490.00
18	Earthing Coil	No.	18	126.00	2,268.00
19	Anti Climbing Device	No.	18	214.00	3,852.00
20	Danger Board	No.	18	68.00	1,224.00
21	Binding Wire & Tape	Kg	9	105.00	945.00
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				593738.10
	Centeges 7%				41561.67
	Labour Charges 10%				59373.81
	Transportation charges 4%				23749.52
	TOTAL II				694673.58

**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR LT LINE(O&M Division) GANJ BASODA
Ch.No. 28+800 to 45+200 E-12**

S.No	Particulars	Unit	QTY	RATE	AMOUNT
1	H.Beam 37.1 kg/mtr 11Mtr.Long	No	6	16,010.00	96,060.00
2	Stay Set 16 MM	No.	6	621.00	3,726.00
3	L.T. 4 Pin bracket	No.	6	509.00	3,054.00
4	L.T. Shackle Insulator with hardware 75x90MM	No.	24	37.00	888.00
5	Concreting of Pole, Stay & Stud	Cmt.	5.1	2,183.00	11,133.30
6	AAAC Cond. 0.05 Sq.mm	Km.	0.56	28,721.00	16,083.76
7	AAAC Cond. 0.03 Sq.mm	Km.	0.12	19,233.00	2,307.96
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	60	42.00	2,520.00
13	Clamps For H Beam	no.	18	122.00	2,196.00

14	M.S. Nut and Bolts	Kg	24	65.00	1,560.00
15	Earthing Coil	No.	6	126.00	756.00
16	Red Oxide Paint	Ltr	6	100.00	600.00
17	Alluminium Paint	Ltr	6	163.00	978.00
18	Binding Wire & Tape	Kg	3	105.00	315.00
19	Sundries	L.S.		-	-
	TOTAL I				144518.02
	Centeges7%				10116.26
	Labour Charges 10%				14451.80
	Transportation charges 4%				5780.72
	TOTAL II				169086.08

**Schedule for dismantling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 28+800 + 45+200 (GANJ BASODA)**

E-12

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.	24	50.00	1,200.00
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.	5	40.00	200.00
6	V cross arm fixing with top clamp 11 KV	No.	17	40.00	680.00
7	V cross arm fixing with top clamp 33 KV	No.	0	50.00	-
8	Insulator fixing on each location 11 KV	No.	51	10.00	510.00
9	Insulator fixing on each location 33 KV	No.	0	20.00	-
10	Stringing of conductor LT line	No.	0.09	1,500.00	135.00
11	Stringing of conductor 11 KV	No.	0.27	4,500.00	1,215.00
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				13540.00
	Add 5% for the year 08-09				677.00
	Total				14217.00
	Add 5% for the year 09-10				710.85
	Total				14927.85
	Add 5% for the year 10-11				746.39
	Total Cost of irrection				15674.24
	Labour for dismantling work 50% of erection cost				7837.12
	Transportation charges 4% on cost of material returned to MPSEB stores.				313.48
	TOTAL II				8150.61

**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 28+800 TO 45+200 (GANJ BASODA) E-12**

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.	60	60.00	3,600.00
5	Steel Scrap	Kg.	205	15.00	3,075.00
	TOTAL				6675.00

Total Estimated Cost					878585.27
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