

SUMMARY - T5

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-1 Ch.No. 0+000 to 0+300	796,357.68
2	E-2 Ch.No. 0+300 to 0+700	817,714.24
3	E-3 CH.N. 0+300 TO 0+700	860,534.70
Total Estimated Cost		2,474,606.61

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 11 KV LINE(O&M Division) BINA
Ch.No. 0+000 to 0+300 E-1

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	10	621.00	6,210.00
3	11 KV V'Cross Arm	No.	4	524.00	2,096.00
4	11 KV Top Clamp	No.	14	149.00	2,086.00
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.	14	90.00	1,260.00
7	Disc Insulator with hardware	No.	27	270.00	7,290.00
8	Concreting of Pole and Stay	Cmt.	5.6	2,183.00	12,224.80
9	AAAC Cond. 0.075 Sq.mm	Km.	0.33	42,486.00	14,020.38
10	11KV Guarding bracket	No.	7	1,566.00	10,962.00
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	16	65.00	1,040.00
14	Red Oxide Paint	Ltr	4	100.00	400.00
15	Alluminium Paint	Ltr	4	163.00	652.00
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	140	42.00	5,880.00
18	Earthing Coil	No.	4	126.00	504.00
19	Anti Climbing Device	No.	4	214.00	856.00
20	Danger Board	No.	4	68.00	272.00
21	Binding Wire & Tape	Kg	2	105.00	210.00
22	DC cross arm 4 ft. centre	Set	0	2,224.00	-
23	11 KV Cross brasin	Set	0	1,838.00	-
24	Sundries	L.S.			
	TOTAL I				164,385.18
	Centeges7%				11,506.96
	Labour Charges 10%				16,438.52
	Transportation charges 4%				6,575.41
	TOTAL II				192,330.66

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR S/S LINE(O&M Division) BINA
Ch.No. 0+000 to 0+300 E-1

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	4	1,016.00	4,064.00
3	11 KV V'Cross Arm	No	1	524.00	524.00
4	11 KV Top Clamp	No.	1	149.00	149.00
5	D.C. Cross arm 8' Center	Set	1	2,338.00	2,338.00
6	11 KV Pin Insulator With Pin	Set	9	90.00	810.00
7	Concreting of Pole and Stay	Cmt.	2.5	2,183.00	5,457.50
8	D.O. and L.A Mounting Channel	No.	1	807.00	807.00
9	11 KV D.O. Fuse Unit	No.	1	3,219.00	3,219.00
10	11 KV AB Switch	No.	1	4,907.00	4,907.00
11	11KV lighthing Arrestor	No.	3	372.00	1,116.00
12	Transformer Mounting Channel	No.	1	2,193.00	2,193.00
13	L.T. Dist.Box Suitable For 100KVA	No.	0	11,819.00	-
14	L.T. Dist.Box Suitable For 200KVA	No.	1	20,208.00	20,208.00
15	Cable 300 Sq.mm XLPE Single Core	Mtr	45	580.00	26,100.00
16	Cable 150 Sq.mm XLPE Single Core	Mtr	120	290.00	34,800.00
17	Cable 70 Sq.mm XLPE Single Core	Mtr	0	200.00	-
18	Clamps For H Beam/R.S. Joist	no.	25	122.00	3,050.00
19	Earthing Coil	No.	2	126.00	252.00
20	Earthing Set	No.	1	2,445.00	2,445.00
21	M.S. Nut and Bolts	Kg	25	65.00	1,625.00
22	AAAC CONDUCTOR 0.075MM	km	0.09	42,486.00	3,823.74
23	Red Oxide Paint	Ltr	4	100.00	400.00
24	Alluminium Paint	Ltr	4	163.00	652.00
25	Anti Climbing Device	No.	2	214.00	428.00
26	Danger Board	No.	2	68.00	136.00
27	Binding Wire & Tape	Kg	2	105.00	210.00
28	MS Angle for transformer belting, distribution box angle	Kg	56	42.00	2,352.00
29	L.T. Dist.Box suitable for 25/63 KVA	No.	0	11,486.00	-

30	Sundries	L.S.			-
	TOTAL I				159,908.24
	Centeges7%				11,193.58
	Labour Charges 10%				15,990.82
	Transportation charges 4%				6,396.33
	TOTAL II				187,092.64

**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR LT LINE(O&M Division) BINA
Ch.No. 0+000 to 0+300 E-1**

S.No	Particulars	Unit	QTY	RATE	AMOUNT
1	H.Beam 37.1 kg/mtr 11Mtr.Long	No	9	16,010.00	144,090.00
2	Stay Set 16 MM	No.	9	621.00	5,589.00
3	A.B. Cable Hanging Clamp	No.	10	526.00	5,260.00
4	Distribution Box	No.	9	2,550.00	22,950.00
5	Concreting of Pole,Stay & Stud	Cmt.	7.65	2,183.00	16,699.95
6	Pivering connector	No.	30	98.00	2,940.00
7	Clamp for nuteral	No.	11	50.00	550.00
8	G.I. Wire No. 8/10 SWG	Kg	50	65.00	3,250.00
9	XLPE PVC Cable 50 Sq.mm four Core	Mtr	500	200.00	100,000.00
10	Suspension Clamp	No.	10	463.00	4,630.00
11	Dead & Clamp	No.	10	22.00	220.00
12	MS Angle 50x50x5 (Guarding & height ext.)	Kg	165	42.00	6,930.00
13	Clamps For H Beam/ R.S.Joist 175x88 mm	no.	36	127.00	4,572.00
14	M.S. Nut and Bolts	Kg	36	65.00	2,340.00
15	Earthing Coil	No.	9	126.00	1,134.00
16	Red Oxide Paint	Ltr	9	100.00	900.00
17	Alluminium Paint	Ltr	9	163.00	1,467.00
18	Binding Wire & Tape	Kg	4.5	105.00	472.50
19	Sundries	L.S.		-	-
	TOTAL I				323,994.45
	Centeges7%				22,679.61
	Labour Charges 10%				32,399.45
	Transportation charges 4%				12,959.78
	TOTAL II				379,073.51

**Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 0+000 to 0+300 (BINA)
E-1**

S.No	Particulars	Unit	QTY	RATE	Amount
1	PCC pole irrection complete	No.	6	400.00	2,400.00
2	Rail pole/RS Joist/H. Beam erection complete	No.	3	550.00	1,650.00
3	Shifting of material	No.	9	50.00	450.00
4	Transportation of Railpole/RS Joist/H'beam from Road to pit.	No.	3	250.00	750.00
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.	1	40.00	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.	3	10.00	30.00
9	Insulator fixing on each location 33 KV	No.	0	20.00	-
10	Stringing of conductor LT line	No.	0.25	1,500.00	375.00
11	Stringing of conductor 11 KV	No.	0.06	4,500.00	270.00
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.	1	600.00	600.00
15	Fixing of D.O. Set	No.	1	150.00	150.00
16	Handing & Installing Transformer	No.	1	1,000.00	1,000.00
17	Transportation			-	-
	Total				8,075.00
	Add 5% for the year 08-09				403.75
	Total				8,478.75
	Add 5% for the year 09-10				423.94
	Total				8,902.69
	Add 5% for the year 10-11				445.13
	Total Cost of irrection				9,347.82
	Labour for dismentling work 50% of erection cost				4,673.91
	Transportation charges 4% on cost of material returned to MPSEB stores.				186.96

TOTAL II				4,860.87
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**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 0+000 TO 0+300 (BINA) E-1**

S.No	Particulars	Unit	QTY	RATE	AMOUNT
1	Rail pole	Kg.	1560	15.00	23,400.00
2	H-beam	Kg.	0	15.00	-
3	R.S.Joist	Kg.	0	15.00	-
4	Scrap Conductor ACSR	Kg.	85	60.00	5,100.00
5	Steel Scrap	Kg.	300	15.00	4,500.00
TOTAL					33,000.00

Total Estimated Cost	796,357.68
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**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 11 KV LINE(O&M Division) BINA
Ch.No. 0+300 to 0+700 E-2**

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	16	621.00	9,936.00
3	11 KV V'Cross Arm	No.	9	524.00	4,716.00
4	11 KV Top Clamp	No.	10	149.00	1,490.00
5	D.C. Cross arm single pole cut point	Set	2	2,224.00	4,448.00
6	11 KV Pin Insulator With Pin	No.	28	90.00	2,520.00
7	Disc Insulator with hardware	No.	21	270.00	5,670.00
8	Concreting of Pole and Stay	Cmt.	13.25	2,183.00	28,924.75
9	AAAC Cond. 0.075 Sq.mm	Km.	2.1	42,486.00	89,220.60
10	11KV Guarding bracket	No.	12	1,566.00	18,792.00
11	G.I. Wire No. 8SWG	Kg	370	65.00	24,050.00
12	Clamps For H Beam/R.S.Joist	no.	47	122.00	5,734.00
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	235	42.00	9,870.00
17	M.S. Angel 65x65x6 MM (Height ext.& side bracket)	Kg	200	42.00	8,400.00
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					507,989.85
Centeges7%					35,559.29
Labour Charges 10%					50,798.99
Transportation charges 4%					20,319.59
TOTAL II					594,348.12

**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR S/S LINE(O&M Division) BINA
Ch.No. 0+300 to 0+700 E-2**

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	4	1,016.00	4,064.00
3	11 KV V'Cross Arm	No	1	524.00	524.00
4	11 KV Top Clamp	No.	4	149.00	596.00
5	D.C. Cross arm 8' Center	Set	1	2,338.00	2,338.00
6	11 KV Pin Insulator With Pin	Set	9	90.00	810.00
7	Concreting of Pole and Stay	Cmt.	2.5	2,183.00	5,457.50
8	D.O. and L.A Mounting Channel	No.	1	807.00	807.00
9	11 KV D.O. Fuse Unit	No.	1	3,219.00	3,219.00
10	11 KV AB Switch	No.	1	4,907.00	4,907.00

11	11KV lightning Arrestor	No.	3	372.00	1,116.00
12	Transformer Mounting Channel	No.	1	2,193.00	2,193.00
13	L.T. Dist.Box Suitable For 100KVA	No.	0	11,819.00	-
14	L.T. Dist.Box Suitable For 200KVA	No.	1	20,208.00	20,208.00
15	Cable 300 Sq.mm XLPE Single Core	Mtr	40	580.00	23,200.00
16	Cable 150 Sq.mm XLPE Single Core	Mtr	120	290.00	34,800.00
17	Cable 70 Sq.mm XLPE Single Core	Mtr	0	200.00	-
18	Clamps For H Beam/R.S. Joist	no.	25	122.00	3,050.00
19	Earthing Coil	No.	2	126.00	252.00
20	Earthing Set	No.	1	2,445.00	2,445.00
21	M.S. Nut and Bolts	Kg	25	65.00	1,625.00
22	AAAC CONDUCTOR 0.075MM	km	0.09	42,486.00	3,823.74
23	Red Oxide Paint	Ltr	4	100.00	400.00
24	Alluminium Paint	Ltr	4	163.00	652.00
25	Anti Climbing Device	No.	2	214.00	428.00
26	Danger Board	No.	2	68.00	136.00
27	Binding Wire & Tape	Kg	2	105.00	210.00
28	MS Angle for transformer belting, distribution box angle	Kg	56	42.00	2,352.00
29	L.T. Dist.Box suitable for 25/63 KVA	No.	0	11,486.00	-
30	Sundries	L.S.		-	-
	TOTAL I				157,455.24
	Centeges7%				11,021.87
	Labour Charges 10%				15,745.52
	Transportation charges 4%				6,298.21
	TOTAL II				184,222.63

**Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 0+300 to 0+700 (BINA)**

E-2

S.No	Particulars	Unit	QTY	RATE	Amount
1	PCC pole irrection complete	No.	0	400.00	-
2	Rail pole/RS Joist/H. Beam erection complete	No.	10	550.00	5,500.00
3	Shifting of material	No.	10	50.00	500.00
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.	0	40.00	-
6	V cross arm fixing with top clamp 11 KV	No.	5	40.00	200.00
7	V cross arm fixing with top clamp 33 KV	No.	0	50.00	-
8	Insulator fixing on each location 11 KV	No.	15	10.00	150.00
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.	0.3	4,500.00	1,350.00
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.	1	600.00	600.00
15	Fixing of D.O. Set	No.	1	150.00	150.00
16	Handing & Installing Transformer	No.	1	1,000.00	1,000.00
17	Transportation			-	-
	Total				11,950.00
	Add 5% for the year 08-09				597.50
	Total				12,547.50
	Add 5% for the year 09-10				627.38
	Total				13,174.88
	Add 5% for the year 10-11				658.74
	Total Cost of irrection				13,833.62
	Labour for dismentling work 50% of erection cost				6,916.81
	Transportation charges 4% on cost of material returned to MPSEB stores.				276.67
	TOTAL II				7,193.48

**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 0+300 TO 0+700 (BINA) E-2**

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.	1620	15.00	24,300.00
4	Scrap Conductor ACSR	Kg.	65	60.00	3,900.00

5	Steel Scrap	Kg.	250	15.00	3,750.00
	TOTAL				31,950.00

Total Estimated Cost				817,714.24
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**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR LT LINE(O&M Division) BINA
Ch.No. 0+300 to 0+700 E-3**

S.No	Particulars	Unit	QTY	Tender Rate RATE	Amount
1	H.Beam 37.1 kg/mtr 11Mtr.Long	No	15	16,010.00	240,150.00
2	Stay Set 16 MM	No.	9	621.00	5,589.00
3	AB Cable Hanging Clamp	No.	15	526.00	7,890.00
4	Suspension clamp	No.	15	463.00	6,945.00
5	Concreting of Pole, Stay & Stud	Cmt.	11.55	2,183.00	25,213.65
6	Dead & clamp	No.	15	22.00	330.00
7	Clamp for Nutral	No.	11	50.00	550.00
8	G.I. Wire No. 8/10 SWG	Kg	30	65.00	1,950.00
9	XLPE PVC Cable 50 Sq.mm four Core	Mtr	2000	200.00	400,000.00
10	Pivering Connector	No.	50	98.00	4,900.00
11	PVC Cable 6 Sq.mm 4 Core	Mtr	275	22.00	6,050.00
12	MS Angle 50x50x5 (Guarding & height ext.)	Kg	187	42.00	7,854.00
13	Clamps For H Beam	no.	48	127.00	6,096.00
14	M.S. Nut and Bolts	Kg	60	65.00	3,900.00
15	Earthing Coil	No.	15	126.00	1,890.00
16	Red Oxide Paint	Ltr	15	100.00	1,500.00
17	Alluminium Paint	Ltr	15	163.00	2,445.00
18	Binding Wire & Tape	Kg	7.5	105.00	787.50
19	Sundries	L.S.		-	-
	TOTAL I				724,040.15
	Centeges7%				50,682.81
	Labour Charges 10%				72,404.02
	Transportation charges 4%				28,961.61
	TOTAL II				847,126.98

**Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch. No. 0+300 to 0+700 (BINA)
E-3**

S.No	Particulars	Unit	QTY	RATE	Amount
1	PCC pole irrection complete	No.	7	400.00	2,800.00
2	Rail pole/RS Joist/H. Beam erection complete	No.	3	550.00	1,650.00
3	Shifting of material	No.	10	50.00	500.00
4	Transportation of Railpole/RS Joist/H'beam from Road to pit.	No.	3	250.00	750.00
5	Fixing of L.T. Cross arm etc.	No.	10	40.00	400.00
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.	0.25	1,500.00	375.00
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				6,475.00
	Add 5% for the year 08-09				323.75
	Total				6,798.75
	Add 5% for the year 09-10				339.94
	Total				7,138.69
	Add 5% for the year 10-11				356.93
	Total Cost of irrection				7,495.62
	Labour for dismentling work 50% of erection cost				3,747.81
	Transportation charges 4% on cost of material returned to MPSEB stores.				149.91

	TOTAL II				3,897.72
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**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 0+300 TO 0+700 (BINA) E-3**

S.No	Particulars	Unit	QTY	AMOUNT	AMOUNT
1	Rail pole	Kg.	0	15.00	-
2	H-beam	Kg.	0	15.00	-
3	R.S.Joist	Kg.	294	15.00	4,410.00
4	Scrap Conductor ACSR	Kg.	65	60.00	3,900.00
5	Steel Scrap	Kg.	80	15.00	1,200.00
	TOTAL				9,510.00

	Total Estimated Cost				860,534.70
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