

SUMMARY - T4

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-4 Ch.No. 0+700 to 2+500 | 860,146.75 |
| 2 | E-5 Ch.No. 2+500 to 4+400 | 870,525.90 |
| 3 | E-6 Ch.No. 4+400 to 6+800 | 885,431.91 |
| Total Estimated Cost | | 2,616,104.56 |

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR LT LINE(City Division) BINA
Ch.No. 0+700 to 2+500 E-4

| S.No | Particulars | Unit | QTY | RATE | Amount |
|------|---|-------------|-------|-----------|-------------------|
| 1 | H.Beam 37.1 kg/mtr 13Mtr.Long | No | 23 | 18,921.00 | 435,183.00 |
| 2 | Stay Set 16 MM | No. | 18 | 621.00 | 11,178.00 |
| 3 | L.T. 5 Pin bracket | No. | 0 | 526.00 | - |
| 4 | L.T. Shackle Insulator with hardware 75x90MM | No. | 0 | 463.00 | - |
| 5 | Concreting of Pole, Stay & Stud | Cmt. | 16.55 | 2,183.00 | 36,128.65 |
| 6 | AAAC Cond. 0.05 Sq.mm | Km. | 0 | 22.00 | - |
| 7 | AAAC Cond. 0.03 Sq.mm | Km. | 0 | 50.00 | - |
| 8 | G.I. Wire No. 8/10 SWG | Kg | 36 | 65.00 | 2,340.00 |
| 9 | PVC Cable 2.5Sq.mm 2 Core | Mtr | 0 | 200.00 | - |
| 10 | PVC Cable 6 Sq.mm 4 Core | Mtr | 0 | 98.00 | - |
| 11 | MS Angle 50x50x5 (Guarding & height ext.) | Kg | 35 | 42.00 | 1,470.00 |
| 12 | Clamps For H Beam | no. | 39 | 122.00 | 4,758.00 |
| 13 | M.S. Nut and Bolts | Kg | 50 | 65.00 | 3,250.00 |
| 14 | Earthing Coil | No. | 23 | 126.00 | 2,898.00 |
| 15 | Red Oxide Paint | Ltr | 23 | 100.00 | 2,300.00 |
| 16 | Alluminium Paint | Ltr | 23 | 163.00 | 3,749.00 |
| 17 | Binding Wire & Tape | Kg | 11.5 | 105.00 | 1,207.50 |
| 18 | AB Cable, hanging clamps/tension clamps (Galvanized) as per enclosed drawing | No. | 23 | 526.00 | 12,098.00 |
| 19 | Suspension clamp | No. | 23 | 463.00 | 10,649.00 |
| 20 | Dead end clamp | No. | 23 | 273.00 | 6,279.00 |
| 21 | Clamp for nutral | No. | 23 | 50.00 | 1,150.00 |
| 22 | Piercing connector type -I for single phase/three phase | No. | 70 | 98.00 | 6,860.00 |
| 23 | Piercing connector type - II | No. | 0 | 47.00 | - |
| 24 | 1100 volt grade arial bunch cable (3x50+1x16+1x35 sqmm) | Km. | 1.48 | 89,207.00 | 132,026.36 |
| 25 | Dist. Box for housing 5 No. 10 Amp. MCCB including accessories for fixing with poles suitable for AB XLPE Cable | No. | 23 | 2,403.00 | 55,269.00 |
| 26 | Sundries | L.S. | | - | - |
| | TOTAL I | | | | 728,793.51 |
| | Centeges 7% | | | | 51,015.55 |
| | Labour Charges 10% | | | | 72,879.35 |
| | Transportation charges 4% | | | | 29,151.74 |
| | TOTAL II | | | | 852,688.41 |

Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch.No. 0+700 to 2+500 (BINA)
E-4

| S.No | Particulars | Unit | QTY | RATE | Amount |
|------|--|------|------|------------------|------------------|
| 1 | PCC pole irrection complete | No. | 8 | 400.00 | 3,200.00 |
| 2 | Rail pole/RS Joist/H. Beam erection complete | No. | 9 | 550.00 | 4,950.00 |
| 3 | Shifting of material | No. | 17 | 50.00 | 850.00 |
| 4 | Transportation of Railpole/RS Joist/H'beam from Road to pit. | No. | 9 | 250.00 | 2,250.00 |
| 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. | 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. | 0.52 | 1,500.00 | 780.00 |
| 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 | | | 15,260.00 | 12,390.00 |
| | Add 5% for the year 08-09 | | | 763.00 | 619.50 |
| | Total | | | 16,023.00 | 13,009.50 |
| | Add 5% for the year 09-10 | | | 801.15 | 650.48 |
| | Total | | | | 13,659.98 |

| | | | | | |
|--|--|--|--|--|------------------|
| Add 5% for the year 10-11 | | | | | 683.00 |
| Total Cost of irrection | | | | | 14,342.97 |
| Labour for dismentling work 50% of erection cost | | | | | 7,171.49 |
| Transportation charges 4% on cost of material returned to MPSEB stores. | | | | | 286.86 |
| TOTAL II | | | | | 7,458.35 |

**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 0+700 TO 2+500 (BINA) E-4**

| 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. | 882 | 15.00 | 13,230.00 |
| 4 | Scrap Conductor ACSR | Kg. | 50 | 60.00 | 3,000.00 |
| 5 | Steel Scrap | Kg. | 90 | 15.00 | 1,350.00 |
| | TOTAL | | | | |

| | | |
|-----------------------------|--|-------------------|
| Total Estimated Cost | | 860,146.75 |
|-----------------------------|--|-------------------|

**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 33 KV LINE(O&M Division) BINA
Ch.No. 2+500 to 4+400 E-5**

| 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. | 2 | 1,044.00 | 2,088.00 |
| 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. | 5 | 335.00 | 1,675.00 |
| 7 | 33 KV Disc Insulator with hardware | No. | 9 | 1,024.00 | 9,216.00 |
| 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. | | - | - |
| 23 | TOTAL I | | | | 81,625.78 |
| 24 | Centeges7% | | | | 5,713.80 |
| 25 | Labour Charges 10% | | | | 8,162.58 |
| 26 | Transportation charges 4% | | | | 3,265.03 |
| 27 | TOTAL II | | | | 95,502.16 |

**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 11 KV LINE(O&M Division) BINA
Ch.No. 2+500 to 4+400 E-5**

| S.No | Particulars | Unit | QTY | RATE | Amount |
|------|--------------------------------------|------|-----|-----------|-----------|
| 1 | H.Beam 37.1 kg/mtr 13Mtr.Long | No | 5 | 18,921.00 | 94,605.00 |
| 2 | Stay Set 20 MM | No | 6 | 1,016.00 | 6,096.00 |
| 3 | 11 KV V'Cross Arm | No. | 3 | 524.00 | 1,572.00 |
| 4 | 11 KV Top Clamp | No. | 9 | 149.00 | 1,341.00 |
| 5 | D.C. Cross arm single pole cut point | Set | 3 | 2,224.00 | 6,672.00 |
| 6 | 11 KV Pin Insulator With Pin | No. | 15 | 90.00 | 1,350.00 |
| 7 | Disc Insulator with hardware | No. | 18 | 270.00 | 4,860.00 |

| | | | | | |
|----|--|------|------|-----------|-------------------|
| 8 | Concreting of Pole and Stay | Cmt. | 5.05 | 2,183.00 | 11,024.15 |
| 9 | AAAC Cond. 0.075 Sq.mm | Km. | 0.85 | 42,486.00 | 36,113.10 |
| 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. | 24 | 122.00 | 2,928.00 |
| 13 | M.S. Nut and Bolts | Kg | 20 | 65.00 | 1,300.00 |
| 14 | Red Oxide Paint | Ltr | 5 | 100.00 | 500.00 |
| 15 | Alluminium Paint | Ltr | 5 | 163.00 | 815.00 |
| 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 | 65 | 42.00 | 2,730.00 |
| 18 | Earthing Coil | No. | 5 | 126.00 | 630.00 |
| 19 | Anti Climbing Device | No. | 5 | 214.00 | 1,070.00 |
| 20 | Danger Board | No. | 5 | 68.00 | 340.00 |
| 21 | Binding Wire & Tape | Kg | 2.5 | 105.00 | 262.50 |
| 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 | | | | 187,114.75 |
| | Centeges 7% | | | | 13,098.03 |
| | Labour Charges 10% | | | | 18,711.48 |
| | Transportation charges 4% | | | | 7,484.59 |
| | TOTAL II | | | | 218,924.26 |

M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR S/S LINE(O&M Division) BINA
Ch.No. 2+500 to 4+400 E-5

| 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 16 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 | 2 | 2,338.00 | 4,676.00 |
| 6 | 11 KV Pin Insulator With Pin | Set | 12 | 90.00 | 1,080.00 |
| 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 linghting 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. | 1 | 11,819.00 | 11,819.00 |
| 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 | 160 | 290.00 | 46,400.00 |
| 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 sutable for 25/63 KVA | No. | 0 | 11,486.00 | - |
| 30 | Sundries | L.S. | | - | - |
| | TOTAL I | | | | 140,074.24 |
| | Centeges7% | | | | 9,805.20 |
| | Labour Charges 10% | | | | 14,007.42 |
| | Transportation charges 4% | | | | 5,602.97 |
| | TOTAL II | | | | 163,886.86 |

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

**MATERIAL SCHEDULE FOR LT LINE(O&M Division) BINA
Ch.No. 2+500 to 4+400 E-5**

| S.No | Particulars | Unit | QTY | RATE | AMOUNT |
|------|---|------|------|-----------|-------------------|
| 1 | H.Beam 37.1 kg/mtr 11Mtr.Long | No | 10 | 18,921.00 | 189,210.00 |
| 2 | Stay Set 16 MM | No. | 8 | 621.00 | 4,968.00 |
| 3 | A.B. Cable Hanging Clamp | No. | 10 | 526.00 | 5,260.00 |
| 4 | Suspension Clamp | No. | 10 | 463.00 | 4,630.00 |
| 5 | Concreting of Pole, Stay & Stud | Cmt. | 8.1 | 2,183.00 | 17,682.30 |
| 6 | Dead & Clamp | No. | 10 | 273.00 | 2,730.00 |
| 7 | AAAC Cond. 0.03 Sq.mm | Km. | 0.39 | 17,917.00 | 6,987.63 |
| 8 | G.I. Wire No. 8/10 SWG | Kg | 20 | 65.00 | 1,300.00 |
| 9 | XLPE PVC Cable 50 Sq.mm four Core | Km. | 0.6 | 94,300.00 | 56,580.00 |
| 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 | 45 | 40.00 | 1,800.00 |
| 13 | Clamps For H Beam | no. | 28 | 122.00 | 3,416.00 |
| 14 | M.S. Nut and Bolts | Kg | 40 | 58.00 | 2,320.00 |
| 15 | Earthing Coil | No. | 10 | 126.00 | 1,260.00 |
| 16 | Red Oxide Paint | Ltr | 10 | 100.00 | 1,000.00 |
| 17 | Alluminium Paint | Ltr | 10 | 163.00 | 1,630.00 |
| 18 | Binding Wire & Tape | Kg | 5 | 105.00 | 525.00 |
| 19 | Piercing connector | No. | 32 | 98.00 | 3,136.00 |
| | TOTAL I | | | | 322,749.93 |
| | Centeges 7% | | | | 22,592.50 |
| | Labour Charges 10% | | | | 32,274.99 |
| | Transportation charges 4% | | | | 12,910.00 |
| | TOTAL II | | | | 377,617.42 |

**Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station Ch.No. 2+500 to 4+400 (BINA)
E-5**

| S.No | Particulars | Unit | QTY | RATE | Amount |
|------|--|------|------|----------|------------------|
| 1 | PCC pole irrection complete | No. | 16 | 400.00 | 6,400.00 |
| 2 | Rail pole/RS Joist/H. Beam erection complete | No. | 0 | 550.00 | - |
| 3 | Shifting of material | No. | 16 | 50.00 | 800.00 |
| 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. | 10 | 40.00 | 400.00 |
| 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. | 2 | 50.00 | 100.00 |
| 8 | Insulator fixing on each location 11 KV | No. | 15 | 10.00 | 150.00 |
| 9 | Insulator fixing on each location 33 KV | No. | 6 | 20.00 | 120.00 |
| 10 | Stringing of conductor LT line | No. | 0.19 | 1,500.00 | 285.00 |
| 11 | Stringing of conductor 11 KV | No. | 0.09 | 4,500.00 | 405.00 |
| 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. | 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 | | | | 10,790.00 |
| | Add 5% for the year 08-09 | | | | 539.50 |
| | Total | | | | 11,329.50 |
| | Add 5% for the year 09-10 | | | | 566.48 |
| | Total | | | | 11,895.98 |
| | Add 5% for the year 10-11 | | | | 594.80 |
| | Total Cost of irrection | | | | 12,490.77 |
| | Labour for dismentling work 50% of erection cost | | | | 6,245.39 |
| | Transportation charges 4% on cost of material returned to MPSEB stores. | | | | 249.82 |
| | TOTAL II | | | | 6,495.20 |

**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 2+500 TO 4+400 (BINA) E-5**

| 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. | 300 | 15.00 | 4,500.00 |
| | TOTAL | | | | 8,100.00 |

| | |
|-----------------------------|-------------------|
| Total Estimated Cost | 870,525.90 |
|-----------------------------|-------------------|

**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR 11 KV LINE(O&M Division) BINA
Ch.No. 4+400 to 6+800 E-6**

| 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 | 4 | 621.00 | 2,484.00 |
| 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 single pole cut point | Set | 2 | 2,224.00 | 4,448.00 |
| 6 | 11 KV Pin Insulator With Pin | No. | 10 | 90.00 | 900.00 |
| 7 | Disc Insulator with hardware | No. | 12 | 270.00 | 3,240.00 |
| 8 | Concreting of Pole and Stay | Cmt. | 3.8 | 2,183.00 | 8,295.40 |
| 9 | AAAC Cond. 0.075 Sq.mm | Km. | 0.56 | 42,486.00 | 23,792.16 |
| 10 | 11KV Guarding bracket | No. | 4 | 1,566.00 | 6,264.00 |
| 11 | G.I. Wire No. 8SWG | Kg | 36 | 65.00 | 2,340.00 |
| 12 | Clamps For H Beam/R.S.Joist | no. | 18 | 122.00 | 2,196.00 |
| 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 | 40 | 42.00 | 1,680.00 |
| 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 | 2,193.00 | - |
| 24 | Sundries | L.S. | | - | - |
| | TOTAL I | | | 74,563.00 | 137,199.56 |
| | Centeges 7% | | | 5,219.41 | 9,603.97 |
| | Labour Charges 10% | | | 7,456.30 | 13,719.96 |
| | Transportation charges 4% | | | 2,982.52 | 5,487.98 |
| | TOTAL II | | | 87,238.71 | 160,523.49 |

**M. P. MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL SCHEDULE FOR LT LINE(City Division) BINA
Ch.No. 4+400 to 6+800 E-6**

| 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. | 16 | 621.00 | 9,936.00 |
| 3 | L.T. 4 Pin bracket | No. | 0 | 343.00 | - |
| 4 | L.T. Shackle Insulator with hardware 75x90MM | No. | 0 | 27.00 | - |
| 5 | Concreting of Pole,Stay & Stud | Cmt. | 12.65 | 2,183.00 | 27,614.95 |
| 6 | AAAC Cond. 0.05 Sq.mm | Km. | 0 | 27,528.00 | - |
| 7 | AAAC Cond. 0.03 Sq.mm | Km. | 0 | 17,917.00 | - |
| 8 | G.I. Wire No. 8/10 SWG | Kg | 60 | 65.00 | 3,900.00 |
| 9 | PVC Cable 2.5Sq.mm 2 Core | Mtr | 330 | 33.00 | 10,890.00 |
| 10 | PVC Cable 6 Sq.mm 4 Core | Mtr | 150 | 66.00 | 9,900.00 |
| 11 | MS Angle 50x50x5 (Guarding & height ext.) | Kg | 30 | 42.00 | 1,260.00 |
| 12 | Clamps For H Beam | no. | 33 | 122.00 | 4,026.00 |
| 13 | M.S. Nut and Bolts | Kg | 68 | 58.00 | 3,944.00 |
| 14 | Earthing Coil | No. | 17 | 126.00 | 2,142.00 |
| 15 | Red Oxide Paint | Ltr | 17 | 100.00 | 1,700.00 |
| 16 | Alluminium Paint | Ltr | 17 | 163.00 | 2,771.00 |
| 17 | Binding Wire & Tape | Kg | 8.5 | 105.00 | 892.50 |

| | | | | | |
|----|---|-------------|-----|------------|-------------------|
| 18 | AB Cable, hanging clamps/tension clamps (Galvanized) as per enclosed drawing | No. | 17 | 526.00 | 8,942.00 |
| 19 | Suspension clamp | No. | 17 | 463.00 | 7,871.00 |
| 20 | Dead end clamp | No. | 17 | 273.00 | 4,641.00 |
| 21 | Clamp for nutral | No. | 17 | 50.00 | 850.00 |
| 22 | Piercing connector type -I for single phase/three phase | No. | 20 | 98.00 | 1,960.00 |
| 23 | Piercing connector type - II | No. | 40 | 47.00 | 1,880.00 |
| 24 | 1100 volt grade arial bunch cable (3x70+1x16+1x35 sqmm) | Km. | 1.2 | 171,430.00 | 205,716.00 |
| 25 | Dist. Box for housing 5 No. 10 Amp. MCCB including accessories for fixing with poles suitable for AB XLPE Cable | No. | 12 | 2,403.00 | 28,836.00 |
| 26 | Sundries | L.S. | | - | - |
| | TOTAL I | | | | 611,842.45 |
| | Centeges7% | | | | 42,828.97 |
| | Labour Charges 10% | | | | 61,184.25 |
| | Transportation charges 4% | | | | 24,473.70 |
| | TOTAL II | | | | 715,855.67 |

**Schedule for dismentling labour charges for 33 KV/11 KV/LT Line
& Sub station CH.N. 4+400 TO 6+800 (BINA) E-6**

| S.No | Particulars | Unit | QTY | RATE | Amount |
|------|--|------|------|----------|------------------|
| 1 | PCC pole irrection complete | No. | 20 | 400.00 | 8,000.00 |
| 2 | Rail pole/RS Joist/H. Beam erection complete | No. | 0 | 550.00 | - |
| 3 | Shifting of material | No. | 20 | 50.00 | 1,000.00 |
| 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. | 3 | 40.00 | 120.00 |
| 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. | 0.12 | 1,500.00 | 180.00 |
| 11 | Stringing of conductor 11 KV | No. | 0.09 | 4,500.00 | 405.00 |
| 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 | | | | 10,055.00 |
| | Add 5% for the year 08-09 | | | | 502.75 |
| | Total | | | | 10,557.75 |
| | Add 5% for the year 09-10 | | | | 527.89 |
| | Total | | | | 11,085.64 |
| | Add 5% for the year 10-11 | | | | 554.28 |
| | Total Cost of irrection | | | | 11,639.92 |
| | Labour for dismentling work 50% of erection cost | | | | 5,819.96 |
| | Transportation charges 4% on cost of material returned to MPSEB stores. | | | | 232.80 |
| | TOTAL II | | | | 6,052.76 |

**MP MADHYA KSHETRA VIDHYUT VITARAN CO. LTD.
MATERIAL RETURN SCHEDULE
CH.N. 4+400 TO 6+800 (BINA) E-6**

| 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. | 0 | 15.00 | - |
| 4 | Scrap Conductor ACSR | Kg. | 35 | 60.00 | 2,100.00 |
| 5 | Steel Scrap | Kg. | 60 | 15.00 | 900.00 |
| | TOTAL | | | | 3,000.00 |

| | | | | | |
|-----------------------------|--|--|--|--|-------------------|
| Total Estimated Cost | | | | | 885,431.91 |
|-----------------------------|--|--|--|--|-------------------|