**MODEL RATE STRUCTURE OF COMPENSATORY AFFORESTATION SCHEME**

**ON THE AREA FOUND SUITABLE FOR COMPENSATORY AFFORESTATION FOR THE CONSTRUCTION & LAYING OF DIVERTION/ RE-ALIGNMENT OF EXISTING 220 KV. CHANDRAPUR-WARORA D/C LINE**

**Range : Bhadrawati - Compartment No. 203**

**DAILY WAGE RATE 303.96**

| Sr. No. | Particulars of works | For 1.00 Ha. Man days | Wages | Material Supply | Total | For 10.90 Ha. Man days | Wages | Material Supply | Total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| A | **P.P.O. + P.Y.O. WORKS** | | | | | | | | |
| 1 | a. Survey & Demarcation | 1.00 | 303.96 | 60.50 | 364.46 | 10.90 | 3313.16 | 659.45 | 3972.61 |
| | b. Preparation of treatment map (100m x 50m grid) | 1.00 | 303.96 | 60.50 | 364.46 | 10.90 | 3313.16 | 659.45 | 3972.61 |
| | c. Clearing of bushes and preparation of site (As per requirement) | 10.00 | 3039.60 | 60.50 | 3100.10 | 109.00 | 33131.64 | 659.45 | 33791.09 |
| 2 | Soil and moisture conservation works including collection of rubbles from areas upto 30 m etc. | 31.00 | 9422.76 | 0.00 | 9422.76 | 337.90 | 102708.08 | 0.00 | 102708.08 |
| 3 | Digging of trench cum mound (TCM) of size 1.90 x 0.60 x 1.00 m along the periphery of plantation area including spreading / stacking the excavated soil as directed in 1 m width and 3 M height. Length 102 Rmt per Ha (127.50 cum per ha) | 82.57 | 25097.98 | 60.50 | 25158.48 | 900.01 | 273567.95 | 659.45 | 274227.40 |
| 4 | Alignment of pits at 2m x 2m spacement. 2500 pits per Ha (0.13 M.D. per 50 pits) M&G @ Rs. 2.24 per 50 pits. | 6.50 | 1975.74 | 135.50 | 2111.24 | 70.85 | 21535.57 | 1476.95 | 23012.52 |
| 5 | Digging of pits of size 0.45 x 0.45 x 0.45 m (2500 pits per ha) 6.60 M.D. per 100 pits | 165.00 | 50153.40 | 0.00 | 50153.40 | 1798.50 | 546672.06 | 0.00 | 546672.06 |
| 6 | Part Nursery cost for raising 3000 seedlings per ha (including 20% casuality replacement) in polybag of size 12.50 x 25.00 cm (Wages Rs. 8.80 and M & S Rs. 1.76 per plant) | 105.14 | 31958.35 | 6388.71 | 38347.06 | 1146.03 | 348346.06 | 69636.94 | 417983.00 |
| 7 | Cost of agave suckers (420 per ha) Rs. 25 per 100 suckers (or cost of prosopis, chilar etc seed for sowing on CCT) | 1.68 | 510.65 | 383.14 | 893.79 | 18.31 | 5566.12 | 4176.23 | 9742.34 |
| | **TOTAL :** | **403.89** | **122766.40** | **7149.35** | **129915.75** | **4402.40** | **1338153.81** | **77927.92** | **1416081.72** |
| | Contingancy 3% | | | | 3897.47 | | | | 42482.45 |
| | Labour welfare 4% | | | | 5196.63 | | | | 56643.27 |
| | **GRAND TOTAL :** | **403.89** | **122766.40** | **7149.35** | **139009.86** | **4402.40** | **1338153.81** | **77927.92** | **1515207.44** |

**DAILY WAGE RATE 334.36**

| Sr. No. | Particulars of works | For 1.00 Ha. Man days | Wages | Material Supply | Total | For 10.90 Ha. Man days | Wages | Material Supply | Total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **B** | **First Year Operation** | | | | | | | | |
| 1 | Part Nursary cost for maintainance of 3000 seedling per ha Rs. 2.64 per seedling (Wages Rs. 2.20, M & S Rs. 0.44) | 26.29 | 8790.32 | 1756.90 | 10547.22 | 286.56 | 95814.54 | 19150.21 | 114964.75 |
| 2 | Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits) | 41.50 | 13875.94 | 1597.20 | 15473.14 | 452.35 | 151247.75 | 17409.48 | 168657.23 |
| 3 | Transport of seedlings from nursery to plaintation site (including loading & unloading) Rs. 1.00 per seedling Wages 0.14 md per 100 seedlings | 4.20 | 1404.31 | 3993.00 | 5397.31 | 45.78 | 15307.00 | 43523.70 | 58830.70 |
| 4 | Digging and transportation of agave suckers from nursery to plantation site and planting. | 1.68 | 561.72 | 0.00 | 561.72 | 18.31 | 6122.80 | 0.00 | 6122.80 |
| 5 | Planting of 2500 seedlings (1.1 M.D. per 100 seedlings) | 27.50 | 9194.90 | 0.00 | 9194.90 | 299.75 | 100224.41 | 0.00 | 100224.41 |
| 6 | Causality replacement<br>(20% 500 seedling per ha)<br>(2 M.D. per 100 seedlings) | 10.00 | 3343.60 | 0.00 | 3343.60 | 109.00 | 36445.24 | 0.00 | 36445.24 |
| 7 | 3 weedings and 2 soil workings (3.50 M.D. per 100 seedlings) fertilizer application Rs. 0.45 per seedling | 87.50 | 29256.50 | 1497.40 | 30753.90 | 953.75 | 318895.85 | 16321.66 | 335217.51 |
| 8 | Watch and ward (10 months - 1 watcher per 10 ha) | 30.00 | 10030.80 | 0.00 | 10030.80 | 327.00 | 109335.72 | 0.00 | 109335.72 |
| 9 | Fire tracing | 2.00 | 668.72 | 0.00 | 668.72 | 21.80 | 7289.05 | 0.00 | 7289.05 |
| 10 | Part Nursary cost for casuality replacement in SYO (500 seedlings per ha.) (wages Rs. 8.80 and material supply Rs. 1.76 total Rs. 10.56 per seedlings) | 17.52 | 5857.99 | 1171.25 | 7029.24 | 190.97 | 63852.06 | 12766.63 | 76618.69 |
| 11 | Special technical works | 0.00 | 4925.00 | 0.00 | 4925.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | **TOTAL :** | **248.19** | **87909.81** | **10015.75** | **97925.56** | **2705.27** | **904534.41** | **109171.68** | **1013706.09** |
| | Contingancy 3% | | | | 2937.77 | | | | 30411.18 |
| | Labour welfare 4% | | | | 3917.02 | | | | 40548.24 |
| | **GRAND TOTAL :** | **248.19** | **87909.81** | **10015.75** | **104780.35** | **2705.27** | **904534.41** | **109171.68** | **1084665.51** |
| | **DAILY WAGE RATE 339.79** | | | | | | | | |
| **Sr. No.** | **Particulars of works** | **For 1.00 Ha.** | | | | **For 10.90 Ha.** | | | |
| | | **Man days** | **Wages** | **Material Supply** | **Total** | **Man days** | **Wages** | **Material Supply** | **Total** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **C** | **Second Year Operation** | | | | | | | | |
| 1 | Part nursery cost for seedlings for causality replacement (500 seedlings per ha.) | 4.38 | 1488.28 | 297.00 | 1785.28 | 47.74 | 16222.25 | 3237.30 | 19459.55 |
| 2 | Transportation of seedlings for causality replacement from nursery to plantation site (including loading and unloading) wages 0.14 M.D. per 100 Seedling | 0.70 | 237.85 | 0.00 | 237.85 | 7.63 | 2592.60 | 0.00 | 2592.60 |
| 3 | Casualty replacement (500 seedling per ha) 2 M.D. per 100 seedling | 10.00 | 3397.90 | 676.00 | 4073.90 | 109.00 | 37037.11 | 7368.40 | 44405.51 |
| 4 | 2 weedings abd 1 soil working, with fertilizer application at Rs. 0.45 per seedling | 62.50 | 21236.88 | 1522.00 | 22758.88 | 681.25 | 231481.94 | 16589.80 | 248071.74 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 5 | Fire tracing | 2.00 | 679.58 | 0.00 | 679.58 | 21.80 | 7407.42 | 0.00 | 7407.42 |
| 6 | Watch and ward 12 month-1 watcher per 10.00 ha. | 36.50 | 12402.34 | 0.00 | 12402.34 | 438.00 | 148828.02 | 0.00 | 148828.02 |
| | **TOTAL :** | **116.08** | **39442.82** | **2495.00** | **41937.82** | **1305.42** | **443569.34** | **27195.50** | **470764.84** |
| | Contingancy 3% | | | | 1258.13 | | | | 14122.95 |
| | Labour welfare 4% | | | | 1677.51 | | | | 18830.59 |
| | Special technical works | | | | 3700.00 | | | | 3700.00 |
| | **GRAND TOTAL :** | **116.08** | **39442.82** | **2495.00** | **48573.47** | **1305.42** | **443569.34** | **27195.50** | **507418.38** |

**DAILY WAGE RATE 404.56**

| Sr. No. | Particulars of works | For 1.00 Ha. | | | | For 10.90 Ha. | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Man days | Wages | Material Supply | Total | Man days | Wages | Material Supply | Total |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **D** | **Third Year Operation** | | | | | | | | |
| 1 | 1 weeding and 1 soil working (1.50 M.D. per 100 seedlings) | 37.50 | 15171.00 | 0.00 | 15171.00 | 408.75 | 165363.90 | 0.00 | 165363.90 |
| 2 | Fire tracing | 2.00 | 809.12 | 0.00 | 809.12 | 21.80 | 8819.41 | 0.00 | 8819.41 |
| 3 | Watch and ward 12 months 1 watcher per 10.00 ha | 36.50 | 14766.44 | 0.00 | 14766.44 | 438.00 | 177197.28 | 0.00 | 177635.28 |
| | **TOTAL :** | **76.00** | **30746.56** | **0.00** | **30746.56** | **868.55** | **351380.59** | **0.00** | **351818.59** |
| | Contingancy 3% | | | | 922.40 | | | | 10554.56 |
| | Labour welfare 4% | | | | 1229.86 | | | | 14072.74 |
| | **GRAND TOTAL :** | **76.00** | **30746.56** | **0.00** | **32898.82** | **868.55** | **351380.59** | **0.00** | **376445.89** |

**DAILY WAGE RATE 445.05**

| Sr. No. | Particulars of works | For 1.00 Ha. | | | | For 10.90 Ha. | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Man days | Wages | Material Supply | Total | Man days | Wages | Material Supply | Total |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **E** | **Fourth Year Operation** | | | | | | | | |
| 1 | Fire tracing | 2.00 | 890.10 | 0.00 | 890.10 | 21.00 | 9346.05 | 0.00 | 9346.05 |
| 2 | Watch and ward 12 months - 1 watcher per 10.00 ha. | 36.50 | 16244.33 | 0.00 | 16244.33 | 438.00 | 194931.90 | 0.00 | 195369.90 |
| | **TOTAL :** | **38.50** | **17134.43** | **0.00** | **17134.43** | **459.00** | **204277.95** | **0.00** | **204715.95** |
| | Contingancy 3% | | | | 514.03 | | | | 6141.48 |
| | Labour Welfare 4% | | | | 685.38 | | | | 8188.64 |
| | **GRAND TOTAL :** | **38.50** | **17134.43** | **0.00** | **18333.83** | **459.00** | **204277.95** | **0.00** | **219046.07** |

**DAILY WAGE RATE 489.55**

| Sr. No. | Particulars of works | For 1.00 Ha. | | | | For 10.90 Ha. | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Man days | Wages | Material Supply | Total | Man days | Wages | Material Supply | Total |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **F** | **Fifth Year Operation** | | | | | | | | |
| 1 | Fire tracing | 2.00 | 979.10 | 0.00 | 979.10 | 21.00 | 10280.55 | 0.00 | 10280.55 |
| 2 | Watch and ward 12 months - 1 watcher per 10.00 ha. | 36.50 | 17868.58 | 0.00 | 17868.58 | 438.00 | 214422.90 | 0.00 | 214860.90 |
| | **TOTAL :** | **38.50** | **18847.68** | **0.00** | **18847.68** | **459.00** | **224703.45** | **0.00** | **225141.45** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Contingancy 3% | | | | 565.43 | | | | 6754.24 |
| | Labour welfare 4% | | | | 753.91 | | | | 9005.66 |
| | **GRAND TOTAL :** | **38.50** | **18847.68** | **0.00** | **20167.01** | **459.00** | **224703.45** | **0.00** | **240901.35** |
| **DAILY WAGE RATE 538.51** | | | | | | | | | |
| **Sr. No.** | **Particulars of works** | **For 1.00 Ha.** | | | | **For 10.90 Ha.** | | | |
| | | **Man days** | **Wages** | **Material Supply** | **Total** | **Man days** | **Wages** | **Material Supply** | **Total** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **G** | **Six Year Operation** | | | | | | | | |
| 1 | Fire tracing | 2.00 | 1077.02 | 0.00 | 1077.02 | 21.00 | 11308.71 | 0.00 | 11308.71 |
| 2 | Watch and ward 12 months - 1 watcher per 10.00 ha. | 36.50 | 19655.62 | 0.00 | 19655.62 | 438.00 | 235867.38 | 0.00 | 236305.38 |
| | **TOTAL :** | **38.50** | **20732.64** | **0.00** | **20732.64** | **459.00** | **247176.09** | **0.00** | **247614.09** |
| | Contingancy 3% | | | | 621.98 | | | | 7428.42 |
| | Labour welfare (medi. & water) 4% | | | | 829.31 | | | | 9904.56 |
| | **GRAND TOTAL :** | **38.50** | **20732.64** | **0.00** | **22183.92** | **459.00** | **247176.09** | **0.00** | **264947.08** |
| **DAILY WAGE RATE 592.37** | | | | | | | | | |
| **Sr. No.** | **Particulars of works** | **For 1.00 Ha.** | | | | **For 10.90 Ha.** | | | |
| | | **Man days** | **Wages** | **Material Supply** | **Total** | **Man days** | **Wages** | **Material Supply** | **Total** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **H** | **Seventh Year Operation** | | | | | | | | |
| 1 | Fire tracing | 2.00 | 1184.74 | 0.00 | 1184.74 | 21.00 | 12439.77 | 0.00 | 12439.77 |
| 2 | Watch and ward 12 months - 1 watcher per 10.00 ha. | 36.50 | 21621.51 | 0.00 | 21621.51 | 438.00 | 259458.06 | 0.00 | 259896.06 |
| | **TOTAL :** | **38.50** | **22806.25** | **0.00** | **22806.25** | **459.00** | **271897.83** | **0.00** | **272335.83** |
| | Contingancy 3% | | | | 684.19 | | | | 8170.07 |
| | Labour welfare 4% | | | | 912.25 | | | | 10893.43 |
| | **GRAND TOTAL :** | **38.50** | **22806.25** | **0.00** | **24402.68** | **459.00** | **271897.83** | **0.00** | **291399.34** |

( S. S. Patil )
Divisional Forest Officer,
Chandrapur Forest Division,
Chandrapur

# ABSTRACT

| Sr. No. | Particulars of works | For 1.00 Ha. | | | Total | For 10.90 Ha. | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Man days | Wages | Material Supply | | Man days | Wages | Material Supply | Total |
| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 |
| 1 | PPO Works | 403.89 | 122766.40 | 7149.35 | 139009.86 | 4402.40 | 1338153.81 | 77927.92 | 1515207.44 |
| 2 | First Year Operation Works | 248.19 | 87909.81 | 10015.75 | 104780.35 | 2705.27 | 904534.41 | 109171.68 | 1084665.51 |
| 3 | Second Year Operation Works | 116.08 | 39442.82 | 2495.00 | 48573.47 | 1305.42 | 443569.34 | 27195.50 | 507418.38 |
| 4 | Third Year Operation Works | 76.00 | 30746.56 | 0.00 | 32898.82 | 868.55 | 351380.59 | 0.00 | 376445.89 |
| 5 | Fourth Year Operation Works | 38.50 | 17134.43 | 0.00 | 18333.83 | 459.00 | 204277.95 | 0.00 | 219046.07 |
| 6 | Fifth Year Operation Works | 38.50 | 18847.68 | 0.00 | 20167.01 | 459.00 | 224703.45 | 0.00 | 240901.35 |
| 7 | Sixth Year Operation Works | 38.50 | 20732.64 | 0.00 | 22183.92 | 459.00 | 247176.09 | 0.00 | 264947.08 |
| 8 | Seventh Year Operation Works | 38.50 | 22806.25 | 0.00 | 24402.68 | 459.00 | 271897.83 | 0.00 | 291399.34 |
| | **GRAND TOTAL :** | **998.16** | **360386.58** | **19660.10** | **410349.94** | **11117.64** | **3985693.47** | **214295.09** | **4500031.06** |

( S. S. Patil )
Divisional Forest Officer,
Chandrapur Forest Division,
Chandrapur