

MODEL COST ESTIMATES FOR COMPENSATORY AFFORESTATION ON ALLOTTED NON FOREST LAND

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|---------------|-------------|
| UNIT | 50 Ha |
| PERIMETER | 60M/Ha |
| LABOUR RATE | Rs. 213/Day |
| COST ESTIMATE | in Rs. /Ha |

ADVANCE ACTION (0 YEAR)

| S. No. | ITEMS | RATE (Rs.) | LABOUR COMPONENT | MATERIAL COMPONENT | TOTAL |
|--------|--|------------|------------------|--------------------|-------|
| 1. | Collection of Basis for Micro planning and carrying out joint forest management activities. | 544/ha | 497 | 50.29 | 547 |
| 2. | Survey of area, lay out of contour trenches, burrowpits and making of segments/plots. | 438/ha | 391 | 50.29 | 441 |
| 3. | Fencing by stone wall and or by ditch. | | | 0 | |
| | 1. Stone wall fencing 1.20m high 0.80m at base & 0.60 at top (on an average 30m/ha.) | 213/rmt | 6390 | 0 | 6390 |
| | 2. Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.) | 232.1/rmt | 6963 | 0 | 6963 |
| 4. | Cost of raising 1210 seedling in nursery. | 3.71/- per | 2872 | 1730.19 | 4602 |
| 5. | Digging of 500 pits size : $0.45 \times (.4 + .5/2) \times 2$ | 16.66/pit | 8330 | 0 | 8330 |
| 6. | Digging up 400 rmt staggered contour trenches dykes of 45X45 cm cross section on middle slopes and V ditch as per site requirement | 26.78rmt | 10712 | 0 | 10712 |
| 7. | Contraction of 15 mt. long contour dykes of 30X30 cm. cross section on upper slopes and sowing of suitable thorny shrub species seeds along its innerside. | 28.86rmt | 433 | 0 | 433 |
| 8. | Treatment of Nallas by | Prorata | 621 | 0 | 621 |

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| | construction series of checkdams of dry ramdom rubble/earthan/brushwood | | | | |
| 9. | Construction of the pillars of appropriate size and fixing of iron pipe gate with four square column | Prorata | 68 | 97.37 | 165 |
| 10. | Construction of approach road and inspection path | Prorata | 235 | 0 | 235 |
| 11. | Watch and ward @ 15325 per month for 4 months | Prorata | 1226 | 0 | 1226 |
| 12. | Construction of Thatched cattle guard hut | Prorata | 120 | 78.11 | 198 |
| 13. | Cost of grass and other seeds | Prorata | 0 | 242.89 | 243 |
| 14. | Labour aminities | Prorata | 78 | 85.6 | 164 |
| 15. | Purchase of tools and plants | Prorata | 0 | 110.21 | 110 |
| 16. | Purchase or construction of water storage tank | Prorata | 67 | 48.15 | 115 |
| 17. | Purchase of signboards and their fixing | Prorata | 27 | 92.02 | 119 |
| 18. | Misc. and unforeseen expenses including running of vehicle | Prorata | 127 | 162.64 | 290 |
| | TOTAL YEAR 0 | | 39157 | 2747.76 | 41905 |
| 19. | Administrative charges 10% | | | | 4190 |
| | TOTAL | | | | 46095 |

YEAR 1 (PLANTING YEAR)

| | | | | | |
|----|---|-----------|------|--------|------|
| 1. | Collection of dates regarding impact assessment and strengthening joint forest management | Prorata | 0 | 72.76 | 73 |
| 2. | Layout of staggered /continuous contour trenches V ditches, contour dykes and pits etc. by contour survey in 1/4 th area | 67 ha | 67 | 0 | 67 |
| 3. | Digging of 600 pits of size 0.45(4+5/2)*2 cum | 16.66/pit | 9996 | 0 | 9996 |
| 4. | Construction of silt detention dams/ small anicut / check dams etc. | Prorata | 2671 | 255.73 | 2927 |

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| 5. | Maintenance of 1210 seeding in nursery | 2.00/plants | 2101 | 341.33 | 2442 |
| 6. | Restoration of natural regenerations by making crescent shaped mounds on the lower slopes of seeding and sapling and making ring trenches around the natural trees/ shrubs (150 plant/ha) | 3.88/ plant | 582 | 0 | 582 |
| 7. | Sowing of pellets of grass/pieces of seed mud cakes of grass seeds between row of pits by ploughing and furrowing | Prorata | 832 | 62.06 | 894 |
| 8. | Sowing dibbling of seeds of shrub species on the mounds of staggered/ continuous contour trenches "V" ditch and ditch fencing including pretreatment of seeds (370rmt) | 0.56 rmt | 196 | 11.77 | 208 |
| 9. | Sowing of seeds of shrub spp. on 60 mt. "V" ditch. | Prorata | 35 | 3.21 | 38 |
| 10. | Transportation of 1100 plant from nursery to planting site. | 1.34/ plant | 1410 | 68.48 | 1478 |
| 11. | Planting of 1100 seeding including Refilling of pits | 3.88/ plant | 4268 | 0 | 4268 |
| 12. | Making of 1100 crescent shaped mounds below planted sapling after planting and dibbing 2 or 3 seeds of shrub species on the mound | 3.39/plant | 3729 | 0 | 3729 |
| 13. | Spot watering & application of insecticides in 1100 plants in case of advance planting | 3.00/ plant | 3300 | 0 | 3300 |
| 14. | Additional watering in case of long drought spell with insecticide | 3.00/ plant | 3300 | 0 | 3300 |
| 15. | Weeding and hoeing of 1100 plants in 2 times | 3.38/ plant | 7436 | 0 | 7436 |
| 16. | One additional hoeing of 1100 plants | 1.93/ plant | 2123 | 0 | 2123 |
| 17. | Wedding and hoeing on staggered / continuous contour trenches and 'V' ditch including singling/ spacement in the | Prorata | 669 | 0 | 669 |

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| 18. | purchase of insecticide and fertilizers for 1100 plants | 0.77/plant | 0 | 906.29 | 906 |
| 19. | Raising o 110 seedlings in nursery for casualty replacement in year 2 (10% of 1100) | 3.71/seedling | 261 | 157.29 | 418 |
| 20. | Watch and ward @ 15325 per month for 12 months | Prorata | 3678 | 0 | 3678 |
| 21. | Special protection of frost tender species | Prorata | 35 | 36.38 | 71 |
| 22. | Labour aminities | Prorata | 165 | 23.54 | 189 |
| 23. | Repairs of fencing | 193/hact | 195 | 9.63 | 205 |
| 24. | Repairs of check dams | Prorata | 71 | 5.35 | 76 |
| 25. | Miscellaneous and unforeseen expenditure | Prorata | 132 | 117.7 | 250 |
| | TOTAL YEAR 1 | | 47252 | 2071.52 | 49324 |
| 26. | Administrative charges 10% | | | | 4932 |
| | TOTAL | | | | 54256 |

First Year Maintenance

| | | | | | |
|----|---|-------------|------|-------|------|
| 1. | Collection of dates regarding impact assessment and strengthening joint forest management | Prorata | 0 | 72.76 | 73 |
| 2. | Maintenance 110 seeding in nursery for casualty replacement on 2 nd year | 2.00/plant | 191 | 31.03 | 222 |
| 3. | Casualty replacement 110 plants including of pits transportation planting, watering | 10.92/plant | 1137 | 69.55 | 1207 |
| 4. | Sowing /dibbing of seeds of shrub species on the mounds of staggered / continuous contour trenches 'V' ditch and ditch fencing including pretreatment of seeds (185 m.) | 0.58/ rmt | 102 | 5.35 | 107 |
| 5. | Weeding and hoeing in 1100 plant in pits two times | 3.38/plant | 7436 | 0 | 7436 |
| 6. | Wedding and hoeing on staggered/ continuous contour trenches and 'V' ditch including singling /spacing in the line | 3.62/plant | 670 | 0 | 670 |

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| | sowing. (185 rmt) | | | | |
| 7. | Repair of fencing | 204/- ha | 195 | 9.63 | 205 |
| 8. | Repairing of check dams | Prorata | 136 | 11.77 | 148 |
| 9. | Pruning of trees species of boost up the growth | Prorata | 207 | 12.84 | 220 |
| 10. | Wages of Chowkidar @ 15325/ month (only applicable to work chage employee) | Prorata | 3678 | 0 | 3678 |
| 11. | Misc. and unforeseen expenditure | Prorata | 121 | 67.41 | 188 |
| | TOTAL YEAR 2 | | 13873 | 280 | 14153 |
| 12. | Administrative charges 10% | | | | 1415 |
| | TOTAL | | | | 15569 |

SUBSEQUENT MAINTENANCE (YEAR 3 TO 12)

| | | | | | |
|----|---|-----------|------|--------|------|
| 1. | Collection of dates regarding impact and strengthening joint Forest Management | Prorata | 0 | 72.76 | 73 |
| 2. | Sowing /dibbling of seeds of shrub species on the mounds of staggered / continuous contour trenches, "V" ditch and ditch fencing including pretreatment of seeds (185 m.) | 0.58/ rmt | 102 | 5.35 | 107 |
| 3. | Repair of fencing | 204/hact. | 195 | 9.63 | 205 |
| 4. | Repairs of check dams | Prorata | 7 | 6.42 | 13 |
| 5. | Pruning of trees species of boost up the growth | Prorata | 103 | 4.28 | 107 |
| 6. | Wages of Chowkidar @ 15325/ month (only applicable to work chage employee) | Prorata | 3678 | 0 | 3678 |
| 7. | Maintenance of vehicles | Prorata | 95 | 100.58 | 196 |
| | TOTAL YEAR 3 | | 4180 | 199 | 4379 |
| 8. | Administrative charges 10% | | | | 438 |
| | TOTAL | | | | 4817 |

| | | Grand total |
|-----|---------------|-------------|
| 1. | 0 year | 46095 |
| 2. | First year | 54256 |
| 3. | Second year | 15569 |
| 4. | Third year | 4817 |
| 5. | Forth year | 4817 |
| 6. | Fifth year | 4817 |
| 7. | Sixth year | 4817 |
| 8. | Seventh year | 4817 |
| 9. | Eighth year | 4817 |
| 10. | Ninth year | 4817 |
| 11. | Tenth year | 4817 |
| 12. | Eleventh year | 4817 |
| 13. | Twelfth year | 4817 |
| 14. | Total | 164090 |
| 15. | Say | 164100 |

SN

(Signature)

Name (सदीप कोर)

Designation (सुप वन सहायक)

Official Seal..... (अजमेर)