

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER LIKABALI FOREST DIVISION

Name of project : Construction of 132 KV S/C (on DC tower) T/L from Yachuli to Palin
 User Agency : Power Deptt.
 Location of CA : Simen PRF
 Area of CA : 29.33 hax 2 = 58.66 ha or say 58.70 ha.
 Wages rate (DL) : 330/-

| | | Unit | Qnt | Rate | Amount | |
|----------|---|------------|-------|--------|---------|--|
| A | Creation of Nursery | | | | | |
| | Cost of seedlings @ 1100 Nos. / ha. | ha | 64570 | 18 | 1162260 | |
| 1 | 1ST YEAR OPERATION | | | | | |
| | Survey & demarcation and preperation of map @ 4 mandays/ha. | ha | 58.70 | 1332 | 78188 | |
| | Sub Total | | | | | |
| 2 | 2ND YEAR OPERATION | | | | | |
| | (i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt. | Rmt | 4300 | 231.52 | 995536 | |
| | (ii) Maint. Barbed wire fencing @ 5% of erection cost in each year from 3rd year to 6th year Add. | | | | | |
| | Add 10% escalation value by multiplying factor: | | | | | |
| | 1.20 for 3rd year | | | | | |
| | 1.3 for 4th year | | | | | |
| | 1.4 for 5th year | | | | | |
| | 1.5 for 6th year | | | | | |
| | Sub-Total | | | | | |
| 3 | Raising of seedlings for casualty replacement | No. | 16143 | 18.0 | 290574 | |
| | 3rd year 15%=165 Nos | | | | | |
| | 4th year 10%= 110 Nos. Total= 275 Nos. | | | | | |
| 4 | RAISING OF PLANTATION | | | | | |
| | (i) Clearance of brush wood, planting lines & staking of debries @ 15 mandays/ha. | ha | 58.70 | 53114 | 3117792 | |
| | (ii) Alignment of pits & preparation of stakes, staking @ 10 mandys/ha | | | | | |
| | (iii) Digging of pits 30 Cm X 30 Cm X 30 Cm @ 22 mandays/ha | | | | | |
| | (iv) Preperation of thala by uprooting of debris by hoeing around pits @ 22 mandays/ha | | | | | |
| | (v) Carring of sapling to the planting site i/c planting of sapling @ 30 mandays (Area II) & 20 mandays (Area-I)/ha | | | | | |
| | (vi) Making of inspection path 1mtr wide @ 3 mandays/ha | | | | | |
| | (vii) Fire line cutting 3mtrs wide along the periphery @ 5 mandays/ha | | | | | |

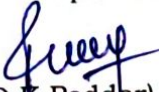
| | | | | | |
|----|--|----|-------|-------|---------|
| | (viii) Tending - 4 weeding @ 12 mandays/weeding/ha | | | | |
| | Add 10% escalation value on total of item 4(i) to 4(viii) | | | | |
| 5 | 3RD YEAR OPERATION | ha | 58.70 | 17982 | 1055543 |
| | (i) Tending - 3 weeding @ 12 mandays/ha | | | | |
| | (ii) Casualty replacement 15% | | | | |
| | (iii) Maint. of inspection path @ 1 manday/ha | | | | |
| | (iv) Maint. Of fireline @ 1 manday/ha | | | | |
| | Add 20% escalation value on total of item 5(i) to 5(iv) | | | | |
| 6 | 4TH YEAR OPERATION | ha | 58.70 | 14286 | 838588 |
| | (i) Tending -2 weedings @ 12 mandays/weeding/ha | | | | |
| | (ii) Casualty replacement 10% @ 7 mandays/ha | | | | |
| | (iii) Maint. Of inspection path @ 1 manday/ha | | | | |
| | (iv) Maint. of fireline @ 1 manday/weeding/ha | | | | |
| | Add 30% escalation value on item 6(i) to 6(iv) | | | | |
| 7 | 5TH YEAR OPERATION | ha | 58.70 | 6527 | 383135 |
| | (i) Tending - 1 weedings @ 12 mandays/weeding/ha | | | | |
| | (ii) Maint. of inspection path @ 1 manday/ha | | | | |
| | (iii) Maint. Of fire line @ 1 manday/ha | | | | |
| | (iv) Add paid holiday @ 18.63% on item 7(i) to 7 (iii) | | | | |
| | Add 40% escalation value on item 7(i) to 7(iv) | | | | |
| 8 | 6TH YEAR OPERATION | ha | 58.70 | 6993 | 410489 |
| | (i) Tending - 1 weedings @ 12 mandays/weeding/ha | | | | |
| | (ii) Maint. of inspection path @ 1 mnday/ ha. | | | | |
| | (iii) Maint. of fireline @ 1 manday/ha. | | | | |
| | Add 50% escalation value on item 8(i) to 8(iii) | | | | |
| 9 | 7TH YEAR OPERATION | ha | 58.70 | 2664 | 156377 |
| | (i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha | | | | |
| | Add 60% escalation value on total item 9(i) | | | | |
| 10 | 8TH YEAR OPERATION | ha | 58.70 | 2831 | 166180 |
| | (i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha | | | | |

| | | | | | | |
|-----------|--|-----------|--------------|-------------|---------------|--|
| | Add 70% escalation value on item 10(i) | | | | | |
| | Sub-Total | | | | | |
| 11 | 9TH YEAR OPERATION | ha | 58.70 | 2997 | 175924 | |
| | (i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha | | | | | |
| | Add 80% escalation value on total of item 11(i) | | | | | |
| 12 | 10TH YEAR OPERATION | ha | 58.70 | 3164 | 185727 | |
| | (i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha | | | | | |
| | Add 90% escalation value on total of item 12 (i) | | | | | |
| 13 | Wages for plantation watchman at the rate of Un/skilled labourer round the year for 10 year (one watchman for every 25 ha) @ 10000/- for Area-I & Rs.10500/- for Area-II per month. Add escalation value by multiplying factor 1st year. | No. | 2 | 1740000 | 3480000 | |
| | (M.F=1.1) for 2nd year | | | | | |
| | (M.F=1.2) for 3rd year | | | | | |
| | (M.F=1.3) for 4th year | | | | | |
| | (M.F=1.4) for 5th year | | | | | |
| | (M.F=1.5) for 6th year | | | | | |
| | (M.F=1.6) for 7th year | | | | | |
| | (M.F=1.7) for 8th year | | | | | |
| | (M.F=1.8) for 9th year | | | | | |
| | (M.F=1.9) for 10th year | | | | | |
| 14 | a) Const. of OBT labour shed (2 room) for workers at Plantation site subject to a minimum area of 15 ha and upto 25 ha beyond 25 ha one room to be added for every 13 ha or part thereof at proportionate cost. | No. | 2.00 | 492000 | 984000 | |
| | b) Maint. Of OBT hut @ 25% of the const. Cost per year from 4th year to 6th year including escalation value by multiplying factor | | | | | |
| | 1.3 for 4th year | | | | | |
| | 1.4 for 5th year | | | | | |
| | 1.5 for 6th year | | | | | |
| 15 | a) Constn. Of Modified Improved Basha Type standard size quarter for every 50 ha. | No. | 1.00 | 2439700 | 2439700 | |
| | b) Maint. Of @ 20% of constn. Cost per year (from 2nd year to 9th year) including: | | | | | |
| | 1.2 for 3rd year | | | | | |
| | 1.3 for 4rd year | | | | | |

| | | | | | | |
|----|---|-----|-------|--------------|--------------------|--|
| | 1.4 for 5rd year | | | | | |
| | 1.5 for 6rd year | | | | | |
| | 1.6 for 7rd year | | | | | |
| | 1.7 for 8rd year | | | | | |
| | 1.8 for 9rd year | | | | | |
| 16 | Approach foot track to plantation in area where necessary | Rmt | 1500 | 6.57 | 9855 | |
| 17 | Monitoring, Supervision (POL, Maint. of vehicles, including TE etc.) @ 12% and Contingency @ 3% to meet up unseen expenditure i.e 15% on item No.1 to16 plus Nursery cost to meet the unforeseen expenditure Rs 15929868/- | | | | 2389480 | |
| 18 | Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha. | ha | 58.70 | 7200 | 422640 | |
| | | | | Total | 18741988 | |
| | | | | | or say Rs.18742000 | |

(Rupees one crore eighty seven lakh forty two thousand) only

Prepared by


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