

Norms for 27 hect. Compensatory Afforestation plantation in Upper Dehing Reserve Forest (East Block) under Margherita East Range against the diversion proposal for laying of underground Oil & Gas Pipelines along Dulijan-Digboi Road (13.43 ha.) by Oil Inida Limited

| | | |
|--|---|-------|
| Area (ha.) | = | 27 |
| Spacing (m x m) | = | 2 x 2 |
| Number of Saplings/ha | = | 2500 |
| Length of Fence (RM) | = | 2720 |
| Wage rate (Rs.) | = | 273 |
| Increase in wage rate for subsequent years by a factor | = | 1.1 |
| Appreciation of material costs by a factor | = | 1.1 |

| Sl. No. | Particulars of Works | Unit | Qty./ Ha. | Total Qty. | Rate/U nit | Amount (Rs.) |
|---------|---|------|-----------|------------|------------|----------------|
| A | ERCTION OF FENCING | | | | | |
| | (a) Cost of full chain link Goat proof fencing (4' ht with 10 guage 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be fitted on pre-cast RCC pillars of specific specification and size as per details specification attached at 2.5 m apart, including transportation, fitting and fixing for 2720 RM @ Rs. 1016/RM as per estimate | RMs | | 2720 | 1016 | 2763520 |
| | Sub Total | | | | | 2763520 |
| B | INFRASTRUCTURE IN PLANTATION AREA | | | | | |
| | Construction of camp hut with installation of ring/tube well | Nos. | | 1 | 150000 | 150000 |
| | Cost of tools & implements | Nos. | | 1 | 5000 | 5000 |
| | Cost of RCC signboard & gate including fitting & fixing of the same | Nos. | | 1 | 30000 | 30000 |
| | Camp accessories @ Rs.5000/- per camp | Nos. | | 1 | 5000 | 5000 |
| | Sub Total | | | | | 190000 |
| C | ADVANCE WORK | | | | | |
| | Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha. | DLs | 20 | 540 | 273 | 147420 |
| | Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ha. @ Rs. 8/- per polypot | Nos. | 2500 | 67500 | 8 | 540000 |
| | Preparation of polypot saplings in the field nursery for vacancy filling | | | | | |
| | a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e. 625 seedlings/ha. @ Rs. 8/- per polypot/stump | Nos. | 625 | 16875 | 8 | 135000 |
| | b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) i.e. 500 seedlings/ha @ Rs. 8/- per polypot/stump | Nos. | 500 | 13500 | 8 | 108000 |
| | Sub Total | | | | | 930420 |
| D | CREATION & 1ST YEAR MAINTENANCE | | | | | |
| | Soil working, carriage of stamps, polypot seedling and planting at the plantation site including, dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 DLs/ha | DLs | 40 | 1080 | 273 | 294840 |
| | 5 weeding, mulching and fire protection works @ 18 DLs/ha/weeding | DLs | 90 | 2430 | 273 | 663390 |
| | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days) | DLs | 1 | 365 | 273 | 99645 |
| | Contingency | LS | | | | 7000 |
| | Sub Total | | | | | 1064875 |
| E | 2ND YEAR MAINTENANCE | | | | | |
| | 5 weeding, fire protection works @ 10 DLs/ha/weeding | DLs | 50 | 1350 | 300 | 405000 |
| | 25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha | DLs | 10 | 270 | 300 | 81000 |
| | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days) | DLs | 1 | 365 | 300 | 109500 |
| | Contingency | LS | | | | 7000 |
| | Sub Total | | | | | 602500 |
| F | 3RD YEAR MAINTENANCE | | | | | |
| | 4 weedings, fire protection works @ 8 DLs/ha/weeding | DLs | 32 | 864 | 330 | 285120 |
| | 20% Vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha | DLs | 8 | 216 | 330 | 71280 |
| | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days) | DLs | 1 | 365 | 330 | 120450 |
| | Contingency | LS | | | | 7000 |
| | Sub Total | | | | | 483850 |
| G | 4TH YEAR MAINTENANCE | | | | | |
| | 4 weeding, fire protection works @ 8 DLs/ha/weeding | DLs | 32 | 864 | 363 | 313632 |
| | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days) | DLs | 1 | 365 | 363 | 132495 |
| | Contingency | LS | | | | 7000 |
| | Sub Total | | | | | 453127 |
| H | 5TH YEAR MAINTENANCE | | | | | |
| | Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha | DLs | 5 | 135 | 399 | 53865 |

| | | | | | |
|--|-----|---|-----|-----|-----------------------------|
| Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days) | DLS | 1 | 365 | 399 | 145635 |
| Contingency | LS | | | | 7000 |
| | | | | | 206500 |
| I 6TH YEAR MAINTENANCE | | | | | |
| Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLS/ha | DLS | 5 | 135 | 439 | 39265 |
| Contingency | LS | | | | 7000 |
| | | | | | 66265 |
| J 7TH YEAR MAINTENANCE | | | | | |
| Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLS/ha | DLS | 5 | 135 | 483 | 65205 |
| Contingency | LS | | | | 7000 |
| | | | | | 72205 |
| K 8TH YEAR MAINTENANCE | | | | | |
| Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLS/ha | DLS | 5 | 135 | 531 | 71685 |
| Contingency | LS | | | | 7000 |
| | | | | | 78685 |
| L 9TH YEAR MAINTENANCE | | | | | |
| Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLS/ha | DLS | 5 | 135 | 584 | 78840 |
| Contingency | LS | | | | 7000 |
| | | | | | 85840 |
| M 10TH YEAR MAINTENANCE | | | | | |
| Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLS/ha | DLS | 5 | 135 | 642 | 86670 |
| Contingency | LS | | | | 7000 |
| | | | | | 93670 |
| | | | | | 7091457 |
| | | | | | 3545729 |
| | | | | | Grand Total 10637186 |

(Rupees One crores six lakhs thirty seven thousand one hundred eighty six) only

| Particulars of works | Amount (Rs.) |
|-----------------------------------|----------------|
| Erection of fencing | 2763520 |
| Infrastructure in plantation area | 190000 |
| Advance work | 930420 |
| Creation & 1st year maintenance | 1064875 |
| 2nd year maintenance | 602500 |
| 3rd year maintenance | 483850 |
| 4th year maintenance | 453127 |
| 5th year maintenance | 206500 |
| 6th year maintenance | 66265 |
| 7th year maintenance | 72205 |
| 8th year maintenance | 78685 |
| 9th year maintenance | 85840 |
| 10th year maintenance | 93670 |
| TOTAL | 7091457 |
| Rate per hect. plantation | 262647 |

Technically Approved by

Countersigned by

Submitted by

(Narayan Mahanta, IFS)
Conservator of Forests
Eastern Assam Circle, Jorhat

**Conservator of Forests
Eastern Assam Circle
Jorhat**

(T.C. Ranjith Ram, IFS)
Divisional Forest Officer
Digboi Division, Digboi

I/c Margherita East Range