Summary of CA Cost for 32 Ha of Compensatory Afforestation in CA land and 31.588 Ha of Dwarf Plantation for Construction of 400 KV DC Bongaigaon Nangalbibra Transmission Line by diverting 31.588 Ha of Forest Land.

| Proposal No   | FP/ML/TRANS/155408/2022 |
|---------------|-------------------------|
| Area Diverted | 31.588 Ha               |
| CA Area       | 32 Ha                   |

| Hom of Mindre                                      |               |           |               |             |                        |                                   |
|--|---------------|-----------|---------------|-------------|------------------------|-----------------------------------|
|  | Quantity Unit | Unit      | Rate per unit | unit        | Amount                 | Remarks                           |
| Compensatory Afforestation                         | 32            | 32 Ha     | ₹ 9,(         | 04,875      | 9,04,875 ₹ 2,89,56,000 | As per the<br>Norms               |
| Plantation of Dwarf Species                        | 31.588 Ha     | На        | ₹ 2,2         | 2,28,529 ₹  | ₹ 72,18,774            | 4 As per the Statre Plantation    |
| Installation of RCC Boundary Pillars at<br>CA Land | 25            | 25 Nos    | Hr            | 15,000 ₹    |                        | 3,75,000 To demarcate the CA Land |
| Construction of Staff Quarters                     | 2             | 2 Nos ₹   |               | 15,00,000 ₹ | ₹ 30,00,000            |                                   |
| Jeepable Approach Road                             | 250           | 250 Rmt ₹ |               | 2,000 ₹     | ₹ 5,00,000             |                                   |
|  |               |           | Total         |             | ₹ 4,00,49,774          |                                   |

Divisional Forest Officer East & North Garo Hills(T) Division Williamnagar

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#### PLANTATION NORMS FOR UNDERTAKING COMPENSATORY AFFORESTATION SCHEMES

# Note: Wage Rate is the notified minimum wage rate for unskilled labour by Labour Department as on the date of payment by User Agency

| Sl.<br>No. | Item of works  | Mandays per<br>hectare | Mandays per<br>hectare considering<br>annual increase in<br>wage rate for<br>present year |
|------------|--|------------------------|---|
| 1          | 2  | 3                      | 4   |
| 1          | Survey and demarcation including<br>fixing of boundary marks at<br>strategic points  | 2.00                   | 2.00  |
| 2          | Jungle clearance, burning, land<br>preparation including staking, pit<br>digging, hoeing, etc                                    | 24.00                  | 24.00   |
| 3          | Fencing<br>With 3 strand barbed wire and<br>wooden fencing posts including<br>cost of staples, fixing, fitting, etc,<br>complete | 64.00                  | 64.00   |
| 4          | Cost of collection of seeds  | 5.00                   | 5.00  |
| 5          | Construction of camp hut and inspection paths  | 4.00                   | 4.00  |
| 6          | Purchase of tools and plants   | 2.00                   | 2.00  |
| 7          | Supervisory staff to be engaged<br>on casual basis from amongst the<br>local people  | 12.00                  | 12.00   |
| 8          | Raising of polypot nursery for 2<br>beds per hectare to cover for<br>mortality rate of plants in the<br>plantation site          | 61.00                  | 61.00   |
| 9          | Provision for signboards,<br>documentation, upkeep of records<br>and other miscellaneous works                                   | 30.00                  | 30.00   |
|            | Sub Total in the Preliminary<br>year   | 204.00                 | 204.00  |
| 10         | Soil & Moisture conservation<br>measures in the plantation area<br>@ 15%   | 30.60                  | 30.60   |
| 11         | Monitoring & Evaluation @<br>2%  | 4.08                   | 4.08  |
|            | Sub Total  | 238.68                 | 238.68  |
|            | Adding 15% contingency due<br>to escalation cost and revision<br>of wages rate etc.  | 35.8                   | 35.8  |
|            | Total in the preliminary year  | 274.48                 | 274.48  |

#### PRELIMINARY WORKS

#### CREATION AND 1<sup>ST</sup> YEAR MAINTENANCE OF PLANTATION

| Sl.<br>No. | Item of works   | Mandays per<br>hectare | Mandays per<br>hectare considering<br>annual increase in<br>wage rate for first<br>year |
|------------|---|------------------------|---|
| 1          | 2   | 3                      | 4   |
| 1          | Planting of nursery seedlings<br>including carriage from nursery<br>centres to plantation sites and<br>proper ramming after planting<br>etc.  | 20.00                  | 21.6  |
| 2          | Cost of manure and bio-<br>fertilizer   | 40.00                  | 43.2  |
| 3          | Mulching and 3 times weeding  | 50.00                  | 54  |
| 4          | Fire protection during dry and<br>windy season<br>(i) Wages of fire watchers from<br>November of the creation year to   | 10.00                  | 10.8  |
|            | April of the following year<br>(ii) Fire line clearance including<br>controlled burning form November<br>in the creation year to April of the<br>following year                           | 10.00                  | 10.8  |
| 5          | 2 <sup>nd</sup> year maintenance of poly pot<br>nursery   | 3.20                   | 3.456   |
| 6          | Maintenance of camp hut,<br>signboard, documentation,<br>protection from grazing, upkeep of<br>records and other miscellaneous<br>works   | 30.00                  | 32.4  |
| 7          | Supervision cost  | 12.00                  | 12.96   |
| 8          | Sub total   | 175.20                 | 189.22  |
| 9          | Soil & Moisture conservation<br>measures in the plantation area @<br>15% of total cost of 1 <sup>st</sup> year<br>creation  | 26.28                  | 28.38   |
| 10         | Monitoring & Evaluation @ 2%  | 3.50                   | 3.78  |
|            | Sub total   | 204.98                 | 221.38  |
|            | Adding 8.5% being contingency<br>due to escalation cost of<br>materials etc. after ascertaining<br>the rate of interest due to<br>accrue from CA money to be<br>deposited by User Agency. | 17.42                  | 18.82   |
|            | Total for 1 <sup>st</sup> year creation and<br>maintenance  | 222.41                 | 240.20  |

#### Wage Rate is Rs 1.08 times the present wage rate

#### SECOND YEAR MAINTENANCE OF PLANTATION

| Sl.<br>No. | Item of works   | Mandays per<br>hectare | Mandays per<br>hectare considering<br>annual increase in<br>wage rate for second<br>year |
|------------|---|------------------------|--|
| 1          | 2   | 3                      | 4  |
| 1          | Vacancy filling by one year old seedlings in mortality areas  | 5.00                   | 5.85   |
| 2          | Climber cutting and weedings 3<br>times   | 45.00                  | 52.65  |
| 3          | <b>Fire Protection</b>  |                        |  |
|            | (i) Wages of fire watchers  | 10.00                  | 11.7   |
|            | (ii) Fire line clearance including controlled burning   | 10.00                  | 11.7   |
| 4          | Maintenance of camp hut,<br>signboard, inspection paths,<br>fencing, protection from grazing,<br>documentation, upkeep of records<br>and other miscellaneous works                        | 30.00                  | 35.1   |
| 5          | Supervision cost  | 12.00                  | 14.04  |
|            | Sub total   | 112.00                 | 131.04   |
| 6          | Provision for soil & moisture<br>conservation measures in the<br>plantation area @ 15%  | 16.80                  | 19.66  |
| 7          | Monitoring & Evaluation @ 2%  | 2.24                   | 2.62   |
|            | Sub total   | 131.04                 | 153.32   |
|            | Adding 8.5% being contingency<br>due to escalation cost of<br>materials etc. after ascertaining<br>the rate of interest due to<br>accrue from CA money to be<br>deposited by User Agency. | 11.14                  | 13.03  |
|            | Total for 2 <sup>nd</sup> year  | 142.18                 | 166.35   |

#### Wage Rate is 1.17 times the present wage rate

#### THIRD YEAR MAINTENANCE OF PLANTATION

| SI.<br>No. | Item of works   | Mandays per<br>hectare | Mandays per<br>hectare considering<br>annual increase in<br>wage rate for third<br>year |
|------------|---|------------------------|---|
| 1          | 2   | 3                      | 4   |
| 1          | Vacancy filling wherever necessary  | 4.00                   | 5.08  |
| 2          | Climber cutting and weedings 3<br>times   | 45.00                  | 57.15   |
|            | <b>Fire Protection</b>  |                        |   |
| 3          | (i) Wages of fire watchers  | 10.00                  | 12.7  |
|            | (ii) Fire line clearance including controlled burning   | 10.00                  | 12.7  |
| 4          | Maintenance of camp hut, signboard,<br>inspection paths, fencing, protection<br>from grazing, documentation, upkeep<br>of records and other miscellaneous<br>works                        | 30.00                  | 38.1  |
| 5          | Supervision cost  | 12.00                  | 15.24   |
|            | Sub total   | 111.00                 | 140.97  |
| 6          | Provision for soil & moisture<br>conservation measures in the<br>plantation area @ 15%  | 16.65                  | 21.14   |
| 7          | Monitoring & Evaluation @ 2%  | 2.22                   | 2.82  |
|            | Sub total   | 129.9                  | 164.93  |
|            | Adding 8.5% being contingency<br>due to escalation cost of materials<br>etc. after ascertaining the rate of<br>interest due to accrue from CA<br>money to be deposited by User<br>Agency. | 11.04                  | 14.02   |
|            | Total for 3 <sup>rd</sup> year  | 140.94                 | 178.95  |

#### Wage Rate is 1.27 times the present wage rate

#### FOURTH YEAR MAINTENANCE OF PLANTATION

| SI.<br>No. | Item of works   | Mandays per<br>hectare | Mandays per<br>hectare considering<br>annual increase in<br>wage rate for fourth<br>year |
|------------|---|------------------------|--|
| 1          | 2   | 3                      | 4  |
| 1          | Vacancy filling wherever necessary  | 2.00                   | 2.8  |
| 2          | Climber cutting and weedings 3<br>times   | 45.00                  | 63   |
| 3          | <b>Fire Protection</b>  |                        |  |
|            | <ul><li>(i) Wages of fire watchers</li><li>(ii) Fire line clearance including controlled burning</li></ul>  | 10.00<br>10.00         | 14<br>14   |
| 4          | Maintenance of camp hut, signboard,<br>inspection paths, fencing, protection<br>from grazing, documentation, upkeep<br>of records and other miscellaneous<br>works                        | 30.00                  | 42   |
| 5          | Supervision cost  | 12.00                  | 16.8   |
|            | Sub total   | 109.00                 | 152.6  |
| 6          | Provision for soil & moisture<br>conservation measures in the<br>plantation area @ 15%  | 16.35                  | 22.9   |
| 7          | Monitoring & Evaluation @ 2%  | 2.18                   | 3.05   |
|            | Sub total   | 127.53                 | 178.55   |
|            | Adding 8.5% being contingency<br>due to escalation cost of materials<br>etc. after ascertaining the rate of<br>interest due to accrue from CA<br>money to be deposited by User<br>Agency. | 10.84                  | 15.17  |
|            | Total for 4 <sup>th</sup> year  | 138.37                 | 193.72   |

#### Wage Rate is 1.4 times the present wage rate

#### FIFTH YEAR MAINTENANCE OF PLANTATION

| SI.<br>No. | Item of works   | Mandays per<br>hectare | Mandays per<br>hectare considering<br>annual increase in<br>wage rate for fifth<br>year |
|------------|---|------------------------|---|
| 1          | 2   | 3                      | 4   |
| 1          | Climber cutting including silvicultural<br>works and two times weedings   | 30.00                  | 46.8  |
| 2          | <b>Fire Protection</b>  |                        |   |
|            | (i) Wages of fire watchers  | 10.00                  | 15.6  |
|            | (ii) Maintenance of Fire line including controlled burning  | 10.00                  | 15.6  |
| 3          | Maintenance of camp hut, signboard,<br>inspection paths, fencing, protection<br>from grazing, documentation, upkeep<br>of records and other miscellaneous<br>works                        | 30.00                  | 46.8  |
| 4          | Supervision cost  | 12.00                  | 18.72   |
|            | Sub total   | 92.00                  | 143.52  |
| 5          | Provision for soil & moisture<br>conservation measures in the<br>plantation area @ 15%  | 13.80                  | 21.53   |
| 6          | Monitoring & Evaluation @ 2%  | 1.84                   | 2.87  |
|            | Sub total   | 107.64                 | 167.92  |
|            | Adding 8.5% being contingency<br>due to escalation cost of materials<br>etc. after ascertaining the rate of<br>interest due to accrue from CA<br>money to be deposited by User<br>Agency. | 9.15                   | 14.27   |
|            | Total for 5 <sup>th</sup> year  | 116.79                 | 182.19  |

#### Wage Rate is 1.56 times the present wage rate

#### SIXTH YEAR MAINTENANCE OF PLANTATION

| SI.<br>No. | Item of works   | Mandays per<br>hectare | Mandays per<br>hectare considering<br>annual increase in<br>wage rate for sixth<br>year |
|------------|---|------------------------|---|
| 1          | 2   | 3                      | 4   |
| 1          | Climber cutting including silvicultural<br>works  | 20.00                  | 34.8  |
| 2          | (i) Wages of fire watchers  | 10.00                  | 17.4  |
|            | (ii) Maintenance of fireline including controlled burning etc.  | 10.00                  | 17.4  |
| 3          | Maintenance of camp hut, signboard,<br>inspection paths, fencing, protection<br>from grazing, documentation, upkeep<br>of records and other miscellaneous<br>works                        | 30.00                  | 52.2  |
| 4          | Supervision cost  | 12.00                  | 20.88   |
|            | Sub total   | 82.00                  | 142.68  |
| 5          | Provision for soil & moisture<br>conservation measures in the<br>plantation area @ 15%  | 12.30                  | 21.4  |
| 6          | Monitoring & Evaluation @ 2%  | 1.64                   | 2.85  |
|            | Sub total   | 95.94                  | 166.93  |
|            | Adding 8.5% being contingency<br>due to escalation cost of materials<br>etc. after ascertaining the rate of<br>interest due to accrue from CA<br>money to be deposited by User<br>Agency. | 8.15                   | 14.18   |
|            | Total for 6 <sup>th</sup> year  | 104.09                 | 181.11  |

#### Wage Rate is 1.74 times the present wage rate

#### SEVENTH YEAR MAINTENANCE OF PLANTATION

| Sl.<br>No. | Item of works   | Mandays per<br>hectare | Mandays per<br>hectare considering<br>annual increase in<br>wage rate for<br>seventh year |
|------------|---|------------------------|---|
| 1          | 2   | 3                      | 4   |
| 1          | Climber cutting including silvicultural<br>works  | 16.00                  | 31.52   |
| 2          | <ul><li>(i) Wages of fire watchers</li><li>(ii) Maintenance of fireline including controlled burning etc.</li></ul>   | 10.00<br>10.00         | 19.7<br>19.7  |
| 3          | Maintenance of camp hut, signboard,<br>inspection paths, fencing, protection<br>from grazing, documentation, upkeep<br>of records and other miscellaneous<br>works                        | 30.00                  | 59.1  |
| 4          | Supervision cost  | 12.00                  | 23.64   |
|            | Sub total   | 78.00                  | 153.66  |
| 5          | Provision for soil & moisture<br>conservation measures in the<br>plantation area @ 15%  | 11.70                  | 23.05   |
| 6          | Monitoring & Evaluation @ 2%  | 1.56                   | 3.07  |
|            | Sub total   | 91.26                  | 179.78  |
|            | Adding 8.5% being contingency<br>due to escalation cost of materials<br>etc. after ascertaining the rate of<br>interest due to accrue from CA<br>money to be deposited by User<br>Agency. | 7.76                   | 15.29   |
|            | Total in 7 <sup>th</sup> year   | 99.02                  | 195.07  |

#### Wage Rate is 1.97 times the present wage rate

#### EIGHT YEAR MAINTENANCE OF PLANTATION

| Sl.<br>No. | Item of works   | Mandays per<br>hectare | Mandays per<br>hectare considering<br>annual increase in<br>wage rate for eight<br>year |
|------------|---|------------------------|---|
| 1          | 2   | 3                      | 4   |
| 1          | Climber cutting including silvicultural<br>works  | 16.00                  | 36  |
| 2          | <ul><li>(i) Wages of fire watchers</li><li>(ii) Maintenance of fireline including controlled burning etc.</li></ul>   | 10.00<br>10.00         | 22.5<br>22.5  |
| 3          | Maintenance of camp hut, signboard,<br>inspection paths, fencing, protection<br>from grazing, documentation, upkeep<br>of records and other miscellaneous<br>works                        | 30.00                  | 67.5  |
| 4          | Supervision cost  | 12.00                  | 27  |
|            | Sub total   | 78.00                  | 175.5   |
| 5          | Provision for soil & moisture<br>conservation measures in the<br>plantation area @ 15%  | 11.70                  | 26.32   |
| 6          | Monitoring & Evaluation @ 2%  | 1.56                   | 3.51  |
|            | Sub total   | 91.26                  | 205.33  |
|            | Adding 8.5% being contingency<br>due to escalation cost of materials<br>etc. after ascertaining the rate of<br>interest due to accrue from CA<br>money to be deposited by User<br>Agency. | 7.76                   | 17.46   |
|            | Total in 8 <sup>th</sup> year   | 99.02                  | 222.8   |

#### Wage Rate is 2.25 times the present wage rate

#### NINTH YEAR MAINTENANCE OF PLANTATION

| Sl.<br>No. | Item of works   | Mandays per<br>hectare | Mandays per<br>hectare considering<br>annual increase in<br>wage rate for ninth<br>year |
|------------|---|------------------------|---|
| 1          | 2   | 3                      | 4   |
| 1          | Climber cutting including silvicultural<br>works  | 12.00                  | 30.96   |
| 2          | <ul><li>(i) Wages of fire watchers</li><li>(ii) Maintenance of fireline including controlled burning etc.</li></ul>   | 10.00<br>10.00         | 25.8<br>25.8  |
| 3          | Maintenance of camp hut, signboard,<br>inspection paths, fencing, protection<br>from grazing, documentation, upkeep<br>of records and other miscellaneous<br>works                        | 30.00                  | 77.4  |
| 4          | Supervision cost  | 12.00                  | 30.96   |
|            | Sub total   | 74.00                  | 190.92  |
| 5          | Provision for soil & moisture<br>conservation measures in the<br>plantation area @ 15%  | 11.10                  | 28.64   |
| 6          | Monitoring & Evaluation @ 2%  | 1.48                   | 3.82  |
|            | Sub total   | 86.6                   | 223.38  |
|            | Adding 8.5% being contingency<br>due to escalation cost of materials<br>etc. after ascertaining the rate of<br>interest due to accrue from CA<br>money to be deposited by User<br>Agency. | 7.36                   | 18.99   |
|            | Total in 9 <sup>th</sup> year   | 93.96                  | 242.37  |

#### Wage Rate is 2.58 times the present wage rate

#### TENTH YEAR MAINTENANCE OF PLANTATION

| Sl.<br>No. | Item of works   | Mandays per<br>hectare | Mandays per<br>hectare considering<br>annual increase in<br>wage rate for tenth<br>year |
|------------|---|------------------------|---|
| 1          | 2   | 3                      | 4   |
| 1          | Climber cutting including silvicultural<br>works  | 10.00                  | 30  |
| 2          | <ul><li>(i) Wages of fire watchers</li><li>(ii) Maintenance of fireline including controlled burning etc.</li></ul>   | 10.00<br>10.00         | 30<br>30  |
| 3          | Maintenance of camp hut, signboard,<br>inspection paths, fencing, protection<br>from grazing, documentation, upkeep<br>of records and other miscellaneous<br>works                        | 30.00                  | 90  |
| 4          | Supervision cost  | 12.00                  | 36  |
| 5          | Misc. expenditure e.g. salvaging of<br>fencing materials from the plantation<br>centre wherever fencing is no longer<br>necessary   | 6.00                   | 18  |
|            | Sub total   | 78.00                  | 234   |
| 6          | Provision for soil & moisture<br>conservation measures in the<br>plantation area @ 15%  | 11.70                  | 35.1  |
| 7          | Monitoring & Evaluation @ 2%  | 1.56                   | 4.68  |
|            | Sub total   | 91.3                   | 273.8   |
|            | Adding 8.5% being contingency<br>due to escalation cost of materials<br>etc. after ascertaining the rate of<br>interest due to accrue from CA<br>money to be deposited by User<br>Agency. | 7.76                   | 23.27   |
|            | Total in 10 <sup>th</sup> year  | 99.06                  | 297.07  |

#### Wage Rate is 3.0 times the present wage rate

## COST ABSTRACT FOR COMPENSATORY AFFORESTATION SCHEMES

| SI.<br>No. | Year                              | Mandays | Mandays per hectare<br>considering annual<br>increase in wage rate | Illustration Amount<br>when wage rate is Rs.<br>381/- |
|------------|-----------------------------------|---------|--|---|
| 1          | Preliminary year                  | 274.48  | 274.48   | ₹ 1,04,577  |
| 2          | First year creation & maintenance | 222.41  | 240.2  | ₹ 91,516  |
| 3          | Second year maintenance           | 142.18  | 166.35   | ₹ 63,379  |
| 4          | Third year maintenance            | 140.94  | 178.95   | ₹ 68,180  |
| 5          | Fourth year maintenance           | 138.37  | 193.72   | ₹ 73,807  |
| 6          | Fifth year maintenance            | 116.79  | 182.19   | ₹ 69,414  |
| 7          | Sixth year maintenance            | 104.09  | 181.11   | ₹ 69,003  |
| 8          | Seventh year maintenance          | 99.02   | 195.07   | ₹ 74,322  |
| 9          | Eight year maintenance            | 99.02   | 222.8  | ₹ 84,887  |
| 10         | Ninth year maintenance            | 93.96   | 242.37   | ₹ 92,343  |
| 11         | Tenth year maintenance            | 99.06   | 297.07   | ₹ 1,13,184  |
|            | Grand total per hectare           | 1530.32 | 2375 (Rounded off)   | ₹ 9,04,875  |

legent Divisional Forest Officer, East & North Garo Hills (T) Division Williamnagar. : #

### Plantation Cost Summary for 31.588 Ha of Dwarf Plantation for the 400 KV DC Nongalbibra Bongaigaon Transmission Line

| Wage Rate          | ₹ 381 | Rs   |
|--------------------|-------|------|
| Area of Plantation | 1     | На   |
| Polypot Nursery    | 1     | Beds |
| Nakedroot Nursery  | 2     | Beds |

| Plantation |                           |          |                      |        |   |                               |  |
|------------|---------------------------|----------|----------------------|--------|---|-------------------------------|--|
| S.No.      | Year                      | Man days | ays Plantation - 1Ha |        |   | t (with 10 %<br>ase per year) |  |
| 1          | Preliminary Year          | 113      | ₹                    | 43,053 | ₹ | 47,359                        |  |
| 2          | First Year - Creation     | 81       | ₹                    | 30,861 | ₹ | 37,342                        |  |
| 3          | Scond Year - Maintainance | 69       | ₹                    | 26,289 | ₹ | 34,991                        |  |
| 4          | Third Year                | 58       | ₹                    | 22,098 | ₹ | 32,354                        |  |
| 5          | Fourth Year               | 35       | ₹                    | 13,335 | ₹ | 21,477                        |  |
| 6          | Fifth year                | 44       | ₹                    | 16,764 | ₹ | 29,699                        |  |

|       | Polypot Nursery Bed |         |                  |        |                                    |        |  |
|-------|---------------------|---------|------------------|--------|------------------------------------|--------|--|
| S.No. | Year                | Mandays | Polypot - 1 Beds |        | Cost (with 10 % increase per year) |        |  |
| 1     | First Year          | 30.5    | ₹                | 11,621 | ₹                                  | 12,783 |  |
| 2     | Second Year         | 1.6     | ₹                | 610    | ₹                                  | 738    |  |

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|       | Nakedroot Nursery Bed |    |                           |   |                                    |   |        |  |
|-------|-----------------------|----|---------------------------|---|------------------------------------|---|--------|--|
| S.No. | Year                  | Ma | andays Nakedroot - 2 Beds |   | Cost (with 10 % increase per year) |   |        |  |
| 1     | First Year            | ₹  | 12                        | ₹ | 9,373                              | ₹ | 10,310 |  |
| 2     | Second Year           | ₹  | 2                         | ₹ | 1,219                              | ₹ | 1,476  |  |

Plantation/ Nursery Cost for Dwarf Species per Ha Total Plantation/ Nursery Cost for Dwarf Species - 31.588 Ha

2,28,529 ₹ ₹ 72,18,774

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Divisional Forest Officer, East & North Garo Hills (T) Division Williamnagar.

|        | Detailed Estimate for Establishment of Dwarf Plant       | ation        |
|--------|--|--------------|
| Area   | 1  | Minimum Wage |
|        | На   | ₹ 381.00     |
| S. No. | Work   | Man Days     |
|        | Preliminary Work   |              |
| 1      | Survey and demarcation including fixing of boundary      | 2            |
|        | marks at strategic points.                               | ۷            |
| 2      | Jungle clearance, burning, land preparation including    | 24           |
|        | hoeing, staking, pit digging, hoeing etc.                | 24           |
|        | Goat Proof Fencing with 3 strand barbed wire and         |              |
| 3      | wooden fencing posts including cost of staples, fixing,  | 64           |
|        | fitting etc.   |              |
| 4      | Cost of Collection of Seeds                              | 5            |
| 5      | Construction of camp huts and inspection paths           | 4            |
| 6      | Purchase of Tools  | 2            |
| 7      | Supervisory Staff to be engaged on casual basis from     |              |
| /      | amongst the local people                                 | 12           |
|        | Total Cost in the Preliminary Year                       | 113          |
|        | First Year of Plantation                                 |              |
|        | Planting of nursery seedlings including carriage from    |              |
| 1      | nursery centres to plantation sites and proper ramming   | 16           |
|        | after planting   |              |
| 2      | 3 weedings   | 45           |
| 3      | Fire protection during dry and windy season              |              |
|        | (i) Wages of fire watchers from November of the creation | 10           |
|        | year to April of the following year                      | 10           |
|        | (ii) Fire line clearance internal and external fireline  | 10           |
|        | including controlled burning                             | 10           |
|        | Total Cost in the First Year                             | 81           |
|        | Second Year of Plantation                                |              |
| 1      | 3 weedings   | 45           |
|        | Fire Protection  |              |
| 2      |  |              |
| 2      | (i) Wages of fire watchers                               | 10           |
| 2      |  | 10<br>10     |
| 2      | (i) Wages of fire watchers                               |              |

|   | Third Year of Plantation                                 |    |
|---|--|----|
| 1 | 2 weedings   | 30 |
| 2 | Fire Protection  |    |
|   | (i) Wages of fire watchers                               | 10 |
|   | (ii) Fireline clearance including controlled burning     | 10 |
| 3 | Vacancy filling in mortality areas                       | 4  |
| 4 | Misc Cost - Repair of Fencin, maintainance of paths etc  | 4  |
|   | Total Cost in the Third Year                             | 58 |
|   | Fourth Year of Plantation                                |    |
| 1 | 1 weedings   | 15 |
| 2 | Wages of fire watchers                                   | 10 |
| 4 | Fireline clearance                                       | 10 |
|   | Total Cost in the Fourth Year                            | 35 |
|   | Fifth Year of Plantation                                 |    |
| 1 | 1 weedings   | 15 |
| 2 | Wages of fire watchers                                   | 10 |
| 3 | Fireline clearance and controlled burning                | 10 |
|   | Cost of singling out operation (silviculture cleaning or |    |
| 4 | decongesting of plantation for providing appropriate     | 6  |
|   | spacing from plant to plant                              |    |
| 5 | Misc Cost  | 3  |
|   | Total Cost in the Fifth year                             | 44 |

| Detailed Estimate for Establishment of <u>Temporary Polypot Nursery</u> for |       |  |  |
|---|-------|--|--|
| Compensatory Afforestation outside Reserve Forest Area                      | -     |  |  |
| Min Wages   | ₹ 381 |  |  |
| No of Beds  | 1     |  |  |
| First Year  | -     |  |  |
| Preparation of standard-sized beds (13m x 1.3x 0.30m) for placing the       |       |  |  |
| polythene bags.   | 1.5   |  |  |
| Cost of polythene bags (22.5cm x 15mm) in the one bed 4 kgs are             |       |  |  |
| required.   | 7.2   |  |  |
| Filling up of manure-mixed earth in polybags including pounding             |       |  |  |
| after filling.  | 9     |  |  |
| Fencing all around the Nursery site with goat                               |       |  |  |
| proof fencing net and wooden posts, erecting,                               |       |  |  |
| fixing, fitting, etc. complete  | 1     |  |  |
| Cowdung including transportation.   | 0.6   |  |  |
| Seeds   | 1.4   |  |  |
| Sowing including hoeing, mulching etc.                                      | 1     |  |  |
| Pricking and transplanting of seedlings from germination beds to            |       |  |  |
| polybags.   | 2     |  |  |
| Construction of shades for protection of seedlings from frost during        |       |  |  |
| winter and direct sunlight in warm areas.                                   | 3     |  |  |
| Weeding 4 Times   | 2.6   |  |  |
| Watering  | 1     |  |  |
| Miscellaneous cost e.g. Fungicides tools & plants, making of                |       |  |  |
| inspection path, fertilizers, chemicals, lime pesticides/insecticides,      |       |  |  |
| growth hormones, etc.   | 0.2   |  |  |
| Total (1st Year)  | 30.5  |  |  |
| Second Year   | _     |  |  |
| Weeding 3 Times   | 1.3   |  |  |
| Watering  | 0.3   |  |  |
| Total(2nd Year)   | 1.6   |  |  |

| Detailed Estimate for Establishment of | <u>Temporary Naked Root Nursery</u> for |
|--|---|
| Compensatory Afforestation o           | utside Reserve Forest Area              |

| Compensatory Anorestation outside Reserve Porest Area                  |          |  |  |  |
|--|----------|--|--|--|
| Min Wages  | ₹ 381.00 |  |  |  |
| No of Beds   | 1        |  |  |  |
| First Year   |          |  |  |  |
| Preparation of standard-sized beds                                     | 1.5      |  |  |  |
| Collection of Seeds  | 2        |  |  |  |
| Fencing all around the Nursery site with goat                          |          |  |  |  |
| proof fencing net and wooden posts, erecting,                          |          |  |  |  |
| fixing, fitting, etc. complete   | 1        |  |  |  |
| Cowdung including transportation.                                      | 0.6      |  |  |  |
| Seed Treatment   | 0.3      |  |  |  |
| Sowing including hoeing, mulching etc.                                 | 0.1      |  |  |  |
| Weeding 4 Times  | 2.6      |  |  |  |
| Construction of shades with bamboo structure and thatch                |          |  |  |  |
| a. Cost of Material  | 1        |  |  |  |
| b. Labour Cost   | 2        |  |  |  |
| Watering of Nursery Beds   | 1        |  |  |  |
| Miscellaneous cost e.g. Fungicides tools & plants, making of           |          |  |  |  |
| inspection path, fertilizers, chemicals, lime pesticides/insecticides, |          |  |  |  |
| growth hormones, etc.  | 0.2      |  |  |  |
| Total (1st Year)   | 12.3     |  |  |  |
| Second Year  |          |  |  |  |
| Weeding 2 Times  | 1.3      |  |  |  |
| Watering   | 0.3      |  |  |  |
| Total(2nd Year)  | 1.6      |  |  |  |