

**LAND SUITABILITY CERTIFICATE BY DFO CONCERNED**  
**(Plot -1 : 71 ha)**

This is to certify that **71 ha** land bearing Survey No. / Compartment No. **3** of **Phulkumari RF** under **Balapara Beat** of **Khoraghat Range** under **Parbatjhora Division**, Suparighat in **Kokrajhar** district is identified for Compensatory Afforestation.

**1. Details of degraded forest land**

District: **Kokrajhar** Name of Division: **Parbatjhora Division**  
Range: **Khoraghat** RF: **Phulkumari** Compartment No. **3**  
Area to be afforested: **71 ha**

**2. Description of Area**

- i. **Topography:**
  - a. Plain land
  - b. Slope: Gentle (48-51 m elevation)
- ii. **Vegetation:** Barren land without any tall trees but ground cover includes grasses and *Eupatorium sp.* bushes
- iii. **Vulnerability to erosion:** As slope is gentle, chances of erosion will be minimum.
- iv. **Soil structure & texture:** Lateritic (red) soil formed by disintegration of metamorphic rocks without boulders or rocks.
- v. **Accessibility of the site:** The site is within the Reserved Forest Area and is well connected by all weather road
- vi. **Feasibility for monitoring & supervision:** The proposed site is within 2 km from beat office, 15km from Range Office and 30km from Divisional Office
- vii. **Wildlife Importance:** The area does not have any major wildlife and do not fall within wild animal corridor

It is certified that proposed site is suitable for plantation from management point of view and is free from all sorts of encumbrances/ encroachment.

Date: 07.12.2017

Place: Suparighat

  
Divisional Forest Officer,  
Parbatjhora Division,  
Suparighat



**LAND SUITABILITY CERTIFICATE BY DFO CONCERNED**  
**(Plot -2 : 45 ha)**

This is to certify that **45 ha** land bearing Survey No. / Compartment No.7 of **Bhelakopa RF** under **Balapara Beat** of **Khoraghat Range** under **Parbatjhora Division**, Suparighat in **Kokrajhar** district is identified for Compensatory Afforestation.

**1. Details of degraded forest land**

District: **Kokrajhar** Name of Division: **Parbatjhora Division**  
Range: **Khoraghat** RF: **Bhelakopa** Beat: **Balapara** Compartment No. **7**  
Area to be afforested: **45 ha**

**2. Description of Area**

- i. **Topography:**
  - a. Plain land
  - b. Slope: Moderate (39 to 47 m elevation)
- ii. **Vegetation:** Barren land without any tall trees but ground cover includes grasses and *Eupatorium* sp. bushes
- iii. **Vulnerability to erosion:** As slope is moderate, chances of erosion will be least.
- iv. **Soil structure & texture:** Lateritic (red) soil formed by disintegration of metamorphic rocks without boulders or rocks.
- v. **Accessibility of the site:** The site is within the Reserved Forest Area and has all weather village road
- vi. **Feasibility for monitoring & supervision:** The proposed site is within 8 km from Range Office and 22 km from Divisional Office
- vii. **Wildlife Importance:** The area does not have any major wildlife and do not fall within wild animal corridor

It is certified that proposed site is suitable for plantation from management point of view and is free from all sorts of encumbrances/ encroachment.

Date: 07.12.2017

Place: Suparighat

  
Divisional Forest Officer,  
Parbatjhora Division,  
Suparighat



**LAND SUITABILITY CERTIFICATE BY DFO CONCERNED**  
**(Plot -3 : 154 ha)**

This is to certify that **154 ha** land bearing Survey No. / Compartment No. **25** of **Mahamaya RF** under **Khoraghat Beat** of **Khoraghat Range** under **Parbatjhora Division**, Suparighat in **Kokrajhar** district is identified for Compensatory Afforestation.

**1. Details of degraded forest land**

District: **Kokrajhar** Name of Division: **Parbatjhora Division**

Range: **Khoraghat** RF: **Mahamaya** Beat: **Khoraghat** Compartment No. **25**

Area to be afforested: **154 ha**

**2. Description of Area**

- i. **Topography:**
  - a. Plain land
  - b. Slope: Moderate (45 to 52 M elevation)
- ii. **Vegetation:** Barren land without any tall trees but ground cover includes grasses and *Eupatorium sp.* bushes
- iii. **Vulnerability to erosion:** As slope is gentle, chances of erosion will be least.
- iv. **Soil structure & texture:** Lateritic (red) soil formed by disintegration of metamorphic rocks without boulders or rocks.
- v. **Accessibility of the site:** The site is within Reserved Forest Area and is 3 km from NH-31
- vi. **Feasibility for monitoring & supervision:** The proposed site is within 3 km from Range Office and 17 km from Divisional Office
- vii. **Wildlife Importance:** The area does not have any major wildlife and do not fall within wild animal corridor

It is certified that proposed site is suitable for plantation from management point of view and is free from all sorts of encumbrances/ encroachment.

Date: 07.12.2017

Place: Suparighat

  
Divisional Forest Officer,  
Parbatjhora Division,  
Suparighat



## ESTIMATE OF COMPENSATORY AFFORESTATION (CA)

**PROJECT DETAILS:-** Diversion of 208.807 Ha of Forest Land for construction of 400 KV Jigmellling-Alipurduar Transmission Line by PowerGrid Corporation of India Limited.

*Due to unavailability of degraded forest land in Chirang Forest Division through which the subject mentioned Transmission Line passes (Forest area involved in Chirang Division is 134.588 hectare), alternate CA land of 270 hectare has been identified in Parbatjhora Forest division in 3 patches as per Addl PCCF, Kokrajhar Letter No. FGW. 18/ Diversion/PG/Trans/2017/1129, dtd. 25/09/2017*

### THE TOTAL ESTIMATE OF CA IS AS BELOW:

| S.N                                   | ITEM                          | AMOUNT in Rs.      |
|---------------------------------------|-------------------------------|--------------------|
| 1                                     | CA + OVERHED (PLOT -1) 71 HA  | 3,54,56,294        |
| 2                                     | CA + OVERHED (PLOT -2) 45 HA  | 2,33,50,058        |
| 3                                     | CA + OVERHED (PLOT -3) 154 HA | 7,18,06,972        |
| TOTAL (CA + OVERHEAD) COST FOR 270 HA |                               | Rs. 13,06,13,324/- |

*Technically Approved by*

Addl. Principal Chief Conservator of Forests  
Cum Council Head of Department, Forests  
Bokoland Territorial Council  
Kokrajhar

*Office*  
DIVISIONAL FOREST OFFICER  
PARBATJHORA DIVISION  
SUPARIGHAT

Office seal :



**CA Scheme for 71 ha Plantation (Plot-1) under PARBATJHORA Forest Division  
based on 50 ha BLOCK PLANTATION NORMS OF CAMPA**

|                                                        |   |       |
|--------------------------------------------------------|---|-------|
| Area (ha)                                              | = | 71    |
| Spacing (M x M)                                        | = | 2 X 2 |
| Number of Saplings/ ha                                 | = | 2500  |
| Length of Fence (RM)                                   | = | 5822  |
| Wage rate for the 1st year (Rs.)                       | = | 250   |
| Increase in wage rate for subsequent years by a factor | = | 1.1   |
| Appreciation of material costs by a factor             | = | 1.1   |

| S.No.    | Particulars of works                                                                                                                                                                                                                           | Units | Qty./<br>ha | Total<br>Qty. | Rate / Unit         | Amount (Rs.)   |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|---------------|---------------------|----------------|
| <b>A</b> | <b>ERECTION OF FENCING</b>                                                                                                                                                                                                                     |       |             |               | <b>@Rs. 250 /DL</b> |                |
|          | (a) Cost of full Chain-linked Goat Proof fencing (4' ht. with 10 Gauge, 3" dia link) to be fitted on Pre-cast RCC pillars* at 1.8 mt. apart including transportation of fencing materials to site for 5822 RM @ Rs. 800 per RM as per estimate | RMs   |             | 5822          | 800                 | 4657600        |
|          | (b) Wages of DLs for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/ 100 RM                                                                                                                                                      | DLs   |             | 1164          | 250                 | 291100         |
|          | <b>Sub-total</b>                                                                                                                                                                                                                               |       |             |               |                     | <b>4948700</b> |
| <b>B</b> | <b>INFRASTRUCTURE IN PLANTATION AREA</b>                                                                                                                                                                                                       |       |             |               |                     |                |
|          | Construction of camp hut (atleast one upto 25 ha & thereafter one per every 25 ha) as per estimate                                                                                                                                             | nos.  |             | 3             | 150,000             | 450000         |
|          | Installation of ring/tube well (atleast one upto 10 ha & thereafter two per every 25 ha)                                                                                                                                                       | nos.  |             | 6             | 50,000              | 300000         |
|          | Irrigation facility with Diesel generator and hose pipes for watering the nursery and plantation (during dry spells)                                                                                                                           | nos.  |             | 1             | 50,000              | 50000          |
|          | Cost of tools & implements (One unit upto 25 ha & thereafter one unit per every 25 ha)                                                                                                                                                         | nos.  |             | 3             | 10,000              | 30000          |
|          | Cost of RCC signboard & Gate including fitting and fixing of the same (atleast one upto 25 ha & thereafter one per every 25 ha)                                                                                                                | nos.  |             | 3             | 60,000              | 180000         |
|          | Camp accessories @ Rs. 10,000/ per camp                                                                                                                                                                                                        | nos.  |             | 3             | 10,000              | 30000          |
|          | Construction of Inspection Path 2911 RM @ Rs. 50/- RM                                                                                                                                                                                          | RMs   |             | 2911          | 50                  | 145550         |
|          | Construction of Staff quarters as per estimate (One unit for 10 to 50 ha & thereafter one unit per every 50 ha)                                                                                                                                | nos.  |             | 2             | 800,000             | 1600000        |
|          | Provision of Solar energy for staff quarters including installation                                                                                                                                                                            | nos.  |             | 2             | 70,000              | 140000         |
|          | <b>sub total</b>                                                                                                                                                                                                                               |       |             |               |                     | <b>2925550</b> |
| <b>C</b> | <b>ADVANCE WORK</b>                                                                                                                                                                                                                            |       |             |               | <b>@Rs. 250 /DL</b> |                |
|          | Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha                                                                                                                                                                 | DLs   | 20          | 1420          | 250                 | 355000         |
|          | Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha @ Rs.6/- per polypot                                                                                                                 | nos.  | 2500        | 177500        | 6                   | 1065000        |
|          | <b>Preparation of polypot saplings in the field nursery for vacancy filling</b>                                                                                                                                                                |       |             |               |                     |                |
|          | a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) ,i.e., 625 Seedlings/ ha @ Rs.6.5/- per polypot                                                                                                     | nos.  | 625         | 44375         | 6.5                 | 288438         |
|          | b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) ,i.e., 500 Seedlings/ ha @ Rs.7/- per polypot                                                                                                       | nos.  | 500         | 35500         | 7                   | 248500         |
|          | c) 15% mortality expected during 3rd year (to be planted in the field during the 4th year),i.e., 375 Seedlings/ ha @ Rs.7.5/- per polypot                                                                                                      | nos.  | 375         | 26625         | 7.5                 | 199688         |
|          | d) 10% mortality expected during 4th year (to be planted in the field during the 5th year),i.e., 250 Seedlings/ ha @ Rs.8/- per polypot                                                                                                        | nos.  | 250         | 17750         | 8                   | 142000         |
|          | Cost of Bamboo, making of stacking & transportation etc                                                                                                                                                                                        | nos.  | 625         | 44375         | 1                   | 44375          |
|          | Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha                                                                                                                                                              | DLs   | 5           | 355           | 250                 | 88750          |
|          | Supervision and Monitoring                                                                                                                                                                                                                     | L.S.  |             |               |                     | 20000          |
|          | <b>Sub total</b>                                                                                                                                                                                                                               |       |             |               |                     | <b>2451750</b> |

| D | CREATION & 1 <sup>st</sup> YEAR MAINTENANCE                                                                                                                                                                        | @Rs. 250 /DL  |    |      |                |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|------|----------------|
|   |                                                                                                                                                                                                                    |               |    |      |                |
|   | Soil working, carriage of stumps, 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 | 2840 | 710000         |
|   | 5 weedings, mulching and fire protection works @ 18 DLs/ha/weeding                                                                                                                                                 | DLs           | 90 | 6390 | 1597500        |
|   | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                                                    | DLs           | 5  | 355  | 88750          |
|   | Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs           |    | 1095 | 273750         |
|   | Maintenance of camp huts, implements, ring/tube- well, upkeepment of plantation, signboard, documentation, upkeepment of records and other misc. work                                                              | L.S.          |    |      | 10000          |
|   | Awareness & Monitoring @ Rs. 800/ha                                                                                                                                                                                | L.S.          |    | 71   | 56800          |
|   | <b>Sub total</b>                                                                                                                                                                                                   |               |    |      | <b>2736800</b> |
| E | 2 <sup>nd</sup> YEAR MAINTENANCE                                                                                                                                                                                   | @ Rs. 275 /DL |    |      |                |
|   |                                                                                                                                                                                                                    |               |    |      |                |
|   | 5 weedings, fire protection works @ 15 DLs/ha/weeding                                                                                                                                                              | DLs           | 75 | 5325 | 1464375        |
|   | 25% Vacancy filling by 1 year old seedlings from nursery@ 10DLs/ha                                                                                                                                                 | DLs           | 10 | 710  | 195250         |
|   | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                                                    | DLs           | 5  | 355  | 97625          |
|   | Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs           |    | 1095 | 301125         |
|   | Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.                                                                                | L.S.          |    |      | 11000          |
|   | Supervision Cost                                                                                                                                                                                                   | L.S.          |    | 1    | 56800          |
|   | Contingency L.S.                                                                                                                                                                                                   | L.S.          |    |      | 5000           |
|   | <b>sub total</b>                                                                                                                                                                                                   |               |    |      | <b>2131175</b> |
| F | 3 <sup>rd</sup> YEAR MAINTENANCE                                                                                                                                                                                   | @ Rs. 303 /DL |    |      |                |
|   |                                                                                                                                                                                                                    |               |    |      |                |
|   | 4 weedings, fire protection works @15 DLs/ha/weeding                                                                                                                                                               | DLs           | 60 | 4260 | 1288650        |
|   | 20% Vacancy filling by 2 year old seedlings from nursery@ 8DLs/ha                                                                                                                                                  | DLs           | 8  | 568  | 171820         |
|   | Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                  | DLs           | 5  | 355  | 107388         |
|   | Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs           |    | 1095 | 331238         |
|   | Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records                                                                                     | L.S.          |    |      | 12100          |
|   | Supervision Cost                                                                                                                                                                                                   | L.S.          |    | 1    | 56800          |
|   | Contingency @ 15 % over previous year                                                                                                                                                                              | L.S.          |    |      | 5750           |
|   | <b>Sub total</b>                                                                                                                                                                                                   |               |    |      | <b>1973745</b> |
| G | 4 <sup>th</sup> YEAR MAINTENANCE                                                                                                                                                                                   | @ Rs. 333 /DL |    |      |                |
|   |                                                                                                                                                                                                                    |               |    |      |                |
|   | 4 weedings, fire protection works @15 dls/ha/weeding                                                                                                                                                               | DLs           | 60 | 4260 | 1417515        |
|   | 15% Vacancy filling by 2 year old seedlings from nursery@ 6DLs/ha                                                                                                                                                  | DLs           | 6  | 426  | 141752         |
|   | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                                                    | DLs           | 5  | 355  | 118126         |
|   | Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs           |    | 1095 | 364361         |
|   | Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.                                                                                | L.S.          |    |      | 13310          |
|   | Supervision Cost                                                                                                                                                                                                   | L.S.          |    | 1    | 56800          |
|   | Contingency @ 15 % over previous year                                                                                                                                                                              | L.S.          |    |      | 6613           |
|   | <b>sub total</b>                                                                                                                                                                                                   |               |    |      | <b>2118477</b> |

| H | 5 <sup>th</sup> YEAR MAINTENANCE                                                                                                                    | @ Rs. 366 /DL |    |      |         |                |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|------|---------|----------------|
|   |                                                                                                                                                     | DLs           |    |      |         |                |
|   | Climber cutting, weeding & other silvicultural works and fire protection works @ 15DLs/ha                                                           | DLs           | 15 | 1420 | 366     | 519756         |
|   | 10% Vacancy filling by 2 year old seedlings from nursery @ 4DLs/ha                                                                                  | DLs           | 4  | 284  | 366     | 103951         |
|   | Maintenance & fencing post replacement @ 3% initial cost of material                                                                                |               |    | 0.03 | 4657600 | 139728         |
|   | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha                                     | DLs           | 4  | 284  | 366     | 103951         |
|   | Watch and ward for the plantation area(2 DL for 365 days).                                                                                          | DLs           |    | 730  | 366     | 267198         |
|   | Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S.          |    |      |         | 14641          |
|   | Supervision Cost                                                                                                                                    | L.S.          |    | 1    |         | 56800          |
|   | Contingency @ 15 % over previous year                                                                                                               | L.S.          |    |      |         | 7604           |
|   | <b>sub total</b>                                                                                                                                    |               |    |      |         | <b>1213629</b> |
| I | 6 <sup>th</sup> YEAR MAINTENANCE                                                                                                                    | @ Rs. 403 /DL |    |      |         |                |
|   |                                                                                                                                                     | DLs           |    |      |         |                |
|   | Climber cutting, other silvicultural works and fire protection works @15 DLs/ha                                                                     | DLs           | 15 | 1065 | 403     | 428798         |
|   | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha                                     | DLs           | 4  | 284  | 403     | 114346         |
|   | Watch and ward for the plantation area(2 DL for 365 days).                                                                                          | DLs           |    | 730  | 403     | 293918         |
|   | Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S.          |    |      |         | 16105          |
|   | Supervision Cost                                                                                                                                    | L.S.          |    |      |         | 56800          |
|   | Contingency @ 15 % over previous year                                                                                                               | L.S.          |    |      |         | 8745           |
|   | <b>sub total</b>                                                                                                                                    |               |    |      |         | <b>918713</b>  |
| J | 7 <sup>th</sup> YEAR MAINTENANCE                                                                                                                    | @ Rs. 443 /DL |    |      |         |                |
|   |                                                                                                                                                     | DLs           |    |      |         |                |
|   | Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha                                                                    | DLs           | 12 | 852  | 443     | 377342         |
|   | Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha | DLs           | 5  | 355  | 443     | 157226         |
|   | Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S.          |    |      |         | 17716          |
|   | Supervision Cost                                                                                                                                    | L.S.          |    |      |         | 56800          |
|   | Contingency @ 15 % over previous year                                                                                                               | L.S.          |    |      |         | 10057          |
|   | <b>sub total</b>                                                                                                                                    |               |    |      |         | <b>619141</b>  |
| K | 8 <sup>th</sup> YEAR MAINTENANCE                                                                                                                    | @ Rs. 487 /DL |    |      |         |                |
|   |                                                                                                                                                     | DLs           |    |      |         |                |
|   | Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha                                                                     | DLs           | 8  | 568  | 487     | 276718         |
|   | Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha | DLs           | 5  | 355  | 487     | 172949         |
|   | Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S.          |    |      |         | 19487          |
|   | Supervision Cost                                                                                                                                    | L.S.          |    |      |         | 56800          |
|   | Contingency @ 15 % over previous year                                                                                                               | L.S.          |    |      |         | 11565          |
|   | <b>sub total</b>                                                                                                                                    |               |    |      |         | <b>537519</b>  |

| I | 9 <sup>th</sup> YEAR MAINTENANCE                                                                                                                    | @ Rs. |   |     |     | 536 /DL         |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|-----|-----|-----------------|
|   |                                                                                                                                                     |       |   |     |     |                 |
|   | Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha                                                                     | DLs   | 7 | 497 | 536 | 266341          |
|   | Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha | DLs   | 5 | 355 | 536 | 190244          |
|   | Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S.  |   |     |     | 21436           |
|   | Supervision Cost                                                                                                                                    | L.S.  |   |     |     | 56800           |
|   | Contingency @ 15 % over previous year                                                                                                               | L.S.  |   |     |     | 13300           |
|   | <b>sub total</b>                                                                                                                                    |       |   |     |     | <b>548120</b>   |
| M | 10 <sup>th</sup> YEAR MAINTENANCE                                                                                                                   | @ Rs. |   |     |     | 589 /DL         |
|   |                                                                                                                                                     |       |   |     |     |                 |
|   | Climber cutting, other silvicultural works, fire protection works @ 6 DLs/ha                                                                        | DLs   | 6 | 426 | 589 | 251121          |
|   | Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs /ha  | DLs   | 4 | 284 | 589 | 167414          |
|   | Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S.  |   |     |     | 23579           |
|   | Supervision Cost                                                                                                                                    | L.S.  |   |     |     | 56800           |
|   | Contingency @ 15 % over previous year                                                                                                               | L.S.  |   |     |     | 15295           |
|   | <b>Sub-Total</b>                                                                                                                                    |       |   |     |     | <b>514210</b>   |
|   | <b>Total ` =</b>                                                                                                                                    |       |   |     |     | <b>23637529</b> |
|   | <b>Over head cost @ 50% of Total CA Cost ` =</b>                                                                                                    |       |   |     |     | <b>11818765</b> |
|   | <b>Grand Total ` =</b>                                                                                                                              |       |   |     |     | <b>35456294</b> |

**NOTE:**

Cost escalation of 10 % annually has been considered for wages

The norms should be revised annually based on wage rate & cost of materials

\*Pre-cast RCC pillar with 5"x5" cross-section- of 6 ft height (1.5 ft below ground & 4.5 ft above ground) with readymade concrete base of 1 ft width for fixing.

Submitted

Technically Approved by

Aditi, Principal Chief Conservator of Forests  
Cum Council Head of Department, Forests  
Bodoland Territorial Council  
Kokrajhar

Divisional Forest Officer  
Parbatjhora Division, Suparighat

Divisional Forest Officer  
Parbatjhora Forest Division  
Suparighat

**CA Scheme for 45 ha Plantation (Plot-2) under PARBATJHORA Forest Division  
based on 50 ha BLOCK PLANTATION NORMS OF CAMPA**

|                                                        |   |       |
|--------------------------------------------------------|---|-------|
| Area (ha)                                              | = | 45    |
| Spacing (M x M)                                        | = | 2 X 2 |
| Number of Saplings/ ha                                 | = | 2500  |
| Length of Fence (RM)                                   | = | 3690  |
| Wage rate for the 1st year (Rs.)                       | = | 250   |
| Increase in wage rate for subsequent years by a factor | = | 1.1   |
| Appreciation of material costs by a factor             | = | 1.1   |

| S.No.    | Particulars of works                                                                                                                                                                                                                           | Units | Qty./ha | Total Qty.          | Rate / Unit         | Amount (Rs.)   |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|---------------------|---------------------|----------------|
| <b>A</b> | <b>ERECTION OF FENCING</b>                                                                                                                                                                                                                     |       |         | <b>@Rs. 250 /DL</b> |                     |                |
|          | (a) Cost of full Chain-linked Goat Proof fencing (4' ht. with 10 Gauge, 3" dia link) to be fitted on Pre-cast RCC pillars* at 1.8 mt. apart including transportation of fencing materials to site for 3690 RM @ Rs. 800 per RM as per estimate | RMs   |         | 3690                | 800                 | 2952000        |
|          | (b) Wages of DLs for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/ 100 RM                                                                                                                                                      | DLs   |         | 738                 | 250                 | 184500         |
|          | <b>Sub-total</b>                                                                                                                                                                                                                               |       |         |                     |                     | <b>3136500</b> |
| <b>B</b> | <b>INFRASTRUCTURE IN PLANTATION AREA</b>                                                                                                                                                                                                       |       |         |                     |                     |                |
|          | Construction of camp hut (atleast one upto 25 ha & thereafter one per every 25 ha) as per estimate                                                                                                                                             | nos.  |         | 2                   | 150,000             | 300000         |
|          | Installation of ring/tube well (atleast one upto 10 ha & thereafter two per every 25 ha)                                                                                                                                                       | nos.  |         | 4                   | 50,000              | 200000         |
|          | Irrigation facility with Diesel generator and hose pipes for watering the nursery and plantation (during dry spells)                                                                                                                           | nos.  |         | 1                   | 50,000              | 50000          |
|          | Cost of tools & implements (One unit upto 25 ha & thereafter one unit per every 25 ha )                                                                                                                                                        | nos.  |         | 2                   | 10,000              | 20000          |
|          | Cost of RCC signboard & Gate including fitting and fixing of the same (atleast one upto 25 ha & thereafter one per every 25 ha)                                                                                                                | nos.  |         | 2                   | 60,000              | 120000         |
|          | Camp accessories @ Rs. 10,000/ per camp                                                                                                                                                                                                        | nos.  |         | 2                   | 10,000              | 20000          |
|          | Construction of Inspection Path 1845 RM @ Rs. 50/- RM                                                                                                                                                                                          | RMs   |         | 1845                | 50                  | 92250          |
|          | Construction of Staff quarters as per estimate (One unit for 10 to 50 ha & thereafter one unit per every 50 ha )                                                                                                                               | nos.  |         | 1                   | 800,000             | 800000         |
|          | Provision of Solar energy for staff quarters including installation                                                                                                                                                                            | nos.  |         | 1                   | 70,000              | 70000          |
|          | <b>sub total</b>                                                                                                                                                                                                                               |       |         |                     |                     | <b>1672250</b> |
| <b>C</b> | <b>ADVANCE WORK</b>                                                                                                                                                                                                                            |       |         |                     | <b>@Rs. 250 /DL</b> |                |
|          | Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha                                                                                                                                                                 | DLs   | 20      | 900                 | 250                 | 225000         |
|          | Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha @ Rs.6/- per polypot                                                                                                                 | nos.  | 2500    | 112500              | 6                   | 675000         |
|          | <b>Preparation of polypot saplings in the field nursery for vacancy filling</b>                                                                                                                                                                |       |         |                     |                     |                |
|          | a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e., 625 Seedlings/ ha @ Rs.6.5/- per polypot                                                                                                      | nos.  | 625     | 28125               | 6.5                 | 182813         |
|          | b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) i.e., 500 Seedlings/ ha @ Rs.7/- per polypot                                                                                                        | nos.  | 500     | 22500               | 7                   | 157500         |
|          | c) 15% mortality expected during 3rd year (to be planted in the field during the 4th year) i.e., 375 Seedlings/ ha @ Rs.7.5/- per polypot                                                                                                      | nos.  | 375     | 16875               | 7.5                 | 126563         |
|          | d) 10% mortality expected during 4th year (to be planted in the field during the 5th year) i.e., 250 Seedlings/ ha @ Rs.8/- per polypot                                                                                                        | nos.  | 250     | 11250               | 8                   | 90000          |
|          | Cost of Bamboo, making of stacking & transportation etc                                                                                                                                                                                        | nos.  | 625     | 28125               | 1                   | 28125          |
|          | Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha                                                                                                                                                              | DLs   | 5       | 225                 | 250                 | 56250          |
|          | Supervision and Monitoring                                                                                                                                                                                                                     | L.S.  |         |                     |                     | 20000          |
|          | <b>Sub total</b>                                                                                                                                                                                                                               |       |         |                     |                     | <b>1561250</b> |

| D | CREATION & 1 <sup>st</sup> YEAR MAINTENANCE                                                                                                                                                                        | @Rs. 250 /DL  |    |      |                |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|------|----------------|
|   |                                                                                                                                                                                                                    | DLs           |    |      |                |
|   | Soil working, carriage of stumps, 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 | 1800 | 450000         |
|   | 5 weedings, mulching and fire protection works @ 18 DLs/ha/weeding                                                                                                                                                 | DLs           | 90 | 4050 | 1012500        |
|   | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                                                    | DLs           | 5  | 225  | 56250          |
|   | Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs           |    | 1095 | 273750         |
|   | Maintenance of camp huts, implements, ring/tube- well, upkeepment of plantation, signboard, documentation, upkeepment of records and other misc. work                                                              | L.S.          |    |      | 10000          |
|   | Awareness & Monitoring @ Rs. 800/ha                                                                                                                                                                                | L.S.          |    | 45   | 36000          |
|   | <b>Sub total</b>                                                                                                                                                                                                   |               |    |      | <b>1838500</b> |
| E | 2 <sup>nd</sup> YEAR MAINTENANCE                                                                                                                                                                                   | @ Rs. 275 /DL |    |      |                |
|   |                                                                                                                                                                                                                    | DLs           |    |      |                |
|   | 5 weedings, fire protection works @ 15 DLs/ha/weeding                                                                                                                                                              | DLs           | 75 | 3375 | 928125         |
|   | 25% Vacancy filling by 1 year old seedlings from nursery@ 10DLs/ha                                                                                                                                                 | DLs           | 10 | 450  | 123750         |
|   | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                                                    | DLs           | 5  | 225  | 61875          |
|   | Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs           |    | 1095 | 301125         |
|   | Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.                                                                                | L.S.          |    |      | 11000          |
|   | Supervision Cost                                                                                                                                                                                                   | L.S.          |    | 1    | 36000          |
|   | Contingency L.S.                                                                                                                                                                                                   | L.S.          |    |      | 5000           |
|   | <b>sub total</b>                                                                                                                                                                                                   |               |    |      | <b>1466875</b> |
| F | 3 <sup>rd</sup> YEAR MAINTENANCE                                                                                                                                                                                   | @ Rs. 303 /DL |    |      |                |
|   |                                                                                                                                                                                                                    | DLs           |    |      |                |
|   | 4 weedings, fire protection works @15 DLs/ha/weeding                                                                                                                                                               | DLs           | 60 | 2700 | 816750         |
|   | 20% Vacancy filling by 2 year old seedlings from nursery@ 8DLs/ha                                                                                                                                                  | DLs           | 8  | 360  | 108900         |
|   | Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                  | DLs           | 5  | 225  | 68063          |
|   | Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs           |    | 1095 | 331238         |
|   | Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records                                                                                     | L.S.          |    |      | 12100          |
|   | Supervision Cost                                                                                                                                                                                                   | L.S.          |    | 1    | 36000          |
|   | Contingency @ 15 % over previous year                                                                                                                                                                              | L.S.          |    |      | 5750           |
|   | <b>Sub total</b>                                                                                                                                                                                                   |               |    |      | <b>1378800</b> |
| G | 4 <sup>th</sup> YEAR MAINTENANCE                                                                                                                                                                                   | @ Rs. 333 /DL |    |      |                |
|   |                                                                                                                                                                                                                    | DLs           |    |      |                |
|   | 4 weedings, fire protection works @15 dls/ha/weeding                                                                                                                                                               | DLs           | 60 | 2700 | 898425         |
|   | 15% Vacancy filling by 2 year old seedlings from nursery@ 6DLs/ha                                                                                                                                                  | DLs           | 6  | 270  | 89843          |
|   | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                                                    | DLs           | 5  | 225  | 74869          |
|   | Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs           |    | 1095 | 364361         |
|   | Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.                                                                                | L.S.          |    |      | 13310          |
|   | Supervision Cost                                                                                                                                                                                                   | L.S.          |    | 1    | 36000          |
|   | Contingency @ 15 % over previous year                                                                                                                                                                              | L.S.          |    |      | 6613           |
|   | <b>sub total</b>                                                                                                                                                                                                   |               |    |      | <b>1483420</b> |

| H 5 <sup>th</sup> YEAR MAINTENANCE                                                                                                                  |      | @ Rs. 366 /DL |      |         |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|------|---------|--------|
| Climber cutting, weeding & other silvicultural works and fire protection works @ 15DLs/ha                                                           | DLs  | 15            | 900  | 366     | 329423 |
| 10% Vacancy filling by 2 year old seedlings from nursery@ 4DLs/ha                                                                                   | DLs  | 4             | 180  | 366     | 65885  |
| Maintenance & fencing post replacement @ 3% initial cost of material                                                                                |      |               | 0.03 | 2952000 | 88560  |
| Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha                                     | DLs  | 4             | 180  | 366     | 65885  |
| Watch and ward for the plantation area(2 DL for 365 days).                                                                                          | DLs  |               | 730  | 366     | 267198 |
| Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S. |               |      |         | 14641  |
| Supervision Cost                                                                                                                                    | L.S. |               | 1    |         | 36000  |
| Contingency @ 15 % over previous year                                                                                                               | L.S. |               |      |         | 7604   |
| sub total                                                                                                                                           |      |               |      |         | 875195 |
| I 6 <sup>th</sup> YEAR MAINTENANCE                                                                                                                  |      | @ Rs. 403 /DL |      |         |        |
| Climber cutting, other silvicultural works and fire protection works @15 DLs/ha                                                                     | DLs  | 15            | 675  | 403     | 271774 |
| Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha                                     | DLs  | 4             | 180  | 403     | 72473  |
| Watch and ward for the plantation area(2 DL for 365 days).                                                                                          | DLs  |               | 730  | 403     | 293918 |
| Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S. |               |      |         | 16105  |
| Supervision Cost                                                                                                                                    | L.S. |               |      |         | 36000  |
| Contingency @ 15 % over previous year                                                                                                               | L.S. |               |      |         | 8745   |
| sub total                                                                                                                                           |      |               |      |         | 699015 |
| J 7 <sup>th</sup> YEAR MAINTENANCE                                                                                                                  |      | @ Rs. 443 /DL |      |         |        |
| Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha                                                                    | DLs  | 12            | 540  | 443     | 239161 |
| Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha | DLs  | 5             | 225  | 443     | 99650  |
| Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S. |               |      |         | 17716  |
| Supervision Cost                                                                                                                                    | L.S. |               |      |         | 36000  |
| Contingency @ 15 % over previous year                                                                                                               | L.S. |               |      |         | 10057  |
| sub total                                                                                                                                           |      |               |      |         | 402583 |
| K 8 <sup>th</sup> YEAR MAINTENANCE                                                                                                                  |      | @ Rs. 487 /DL |      |         |        |
| Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha                                                                     | DLs  | 8             | 360  | 487     | 175385 |
| Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha | DLs  | 5             | 225  | 487     | 109615 |
| Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S. |               |      |         | 19487  |
| Supervision Cost                                                                                                                                    | L.S. |               |      |         | 36000  |
| Contingency @ 15 % over previous year                                                                                                               | L.S. |               |      |         | 11565  |
| sub total                                                                                                                                           |      |               |      |         | 352052 |

|   |                                                                                                                                                     |      |   | @ Rs. |     | 536 /DL         |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|------|---|-------|-----|-----------------|
| I | 9 <sup>th</sup> YEAR MAINTENANCE                                                                                                                    |      |   |       |     |                 |
|   | Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha                                                                     | DLs  | 7 | 315   | 536 | 168808          |
|   | Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha | DLs  | 5 | 225   | 536 | 120577          |
|   | Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S. |   |       |     | 21436           |
|   | Supervision Cost                                                                                                                                    | L.S. |   |       |     | 36000           |
|   | Contingency @ 15 % over previous year                                                                                                               | L.S. |   |       |     | 13300           |
|   | <b>sub total</b>                                                                                                                                    |      |   |       |     | <b>360120</b>   |
| M | 10 <sup>th</sup> YEAR MAINTENANCE                                                                                                                   |      |   | @ Rs. |     | 589 /DL         |
|   | Climber cutting, other silvicultural works, fire protection works @ 6 DLs/ha                                                                        | DLs  | 6 | 270   | 589 | 159161          |
|   | Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs /ha  | DLs  | 4 | 180   | 589 | 106108          |
|   | Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S. |   |       |     | 23579           |
|   | Supervision Cost                                                                                                                                    | L.S. |   |       |     | 36000           |
|   | Contingency @ 15 % over previous year                                                                                                               | L.S. |   |       |     | 15295           |
|   | <b>Sub-Total</b>                                                                                                                                    |      |   |       |     | <b>340144</b>   |
|   | <b>Total ` =</b>                                                                                                                                    |      |   |       |     | <b>15566705</b> |
|   | <b>Over head cost @ 50% of Total CA Cost ` =</b>                                                                                                    |      |   |       |     | <b>7783353</b>  |
|   | <b>Grand Total ` =</b>                                                                                                                              |      |   |       |     | <b>23350058</b> |

**NOTE:**

Cost escalation of 10 % annually has been considered for wages

The norms should be revised annually based on wage rate & cost of materials

\*Pre-cast RCC pillar with 5"x5" cross-section- of 6 ft height (1.5 ft below ground & 4.5 ft above ground) with readymade concrete base of 1 ft width for fixing.

Submitted

*Technically Approved by*

*[Signature]*

Divisional Forest Officer  
Parbatjhora Division, Suparighat  
**Divisional Forest Officer**  
**Parbatjhora Forest Division**  
**Suparighat**

**Adl. Principal Chief Conservator of Forests**  
**Cum Council Head of Department, Forests**  
**Bastard Territorial Council**  
**Kakrajhor**

**CA Scheme for 154 ha Plantation (Plot-3) under PARBATJHORA Forest Division  
based on 50 ha BLOCK PLANTATION NORMS OF CAMPA**

|                                                        |   |       |
|--------------------------------------------------------|---|-------|
| Area (ha)                                              | = | 154   |
| Spacing (M x M)                                        | = | 2 X 2 |
| Number of Saplings/ ha                                 | = | 2500  |
| Length of Fence (RM)                                   | = | 12628 |
| Wage rate for the 1st year (Rs.)                       | = | 250   |
| Increase in wage rate for subsequent years by a factor | = | 1.1   |
| Appreciation of material costs by a factor             | = | 1.1   |

| S.No.    | Particulars of works                                                                                                                                                                                                                                   | Units | Qty./<br>ha | Total<br>Qty.       | Rate /<br>Unit      | Amount<br>(Rs.) |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|---------------------|---------------------|-----------------|
| <b>A</b> | <b>ERECTION OF FENCING</b>                                                                                                                                                                                                                             |       |             | <b>@Rs. 250 /DL</b> |                     |                 |
|          | (a) Cost of full Chain-linked Goat Proof fencing (4' ht. with 10 Gauge, 3" dia link) to be fitted on Pre-cast RCC pillars* at 1.8 mt. apart including transportation of fencing materials to site for <b>12628 RM @ Rs. 800 per RM</b> as per estimate | RMs   |             | 12628               | 800                 | 10102400        |
|          | (b) Wages of DLs for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/ 100 RM                                                                                                                                                              | DLs   |             | 2526                | 250                 | 631400          |
|          | <b>Sub-total</b>                                                                                                                                                                                                                                       |       |             |                     |                     | <b>10733800</b> |
| <b>B</b> | <b>INFRASTRUCTURE IN PLANTATION AREA</b>                                                                                                                                                                                                               |       |             |                     |                     |                 |
|          | Construction of camp hut (atleast one upto 25 ha & thereafter one per every 25 ha) as per estimate                                                                                                                                                     | nos.  |             | 5                   | 150,000             | 750000          |
|          | Installation of ring/tube well (atleast one upto 10 ha & thereafter two per every 25 ha)                                                                                                                                                               | nos.  |             | 8                   | 50,000              | 400000          |
|          | Irrigation facility with Diesel generator and hose pipes for watering the nursery and plantation (during dry spells)                                                                                                                                   | nos.  |             | 1                   | 50,000              | 50000           |
|          | Cost of tools & implements (One unit upto 25 ha & thereafter one unit per every 25 ha)                                                                                                                                                                 | nos.  |             | 5                   | 10,000              | 50000           |
|          | Cost of RCC signboard & Gate including fitting and fixing of the same (atleast one upto 25 ha & thereafter one per every 25 ha)                                                                                                                        | nos.  |             | 5                   | 60,000              | 300000          |
|          | Camp accessories @ Rs. 10,000/ per camp                                                                                                                                                                                                                | nos.  |             | 5                   | 10,000              | 50000           |
|          | Construction of Inspection Path 6314 RM @ Rs. 50/- RM                                                                                                                                                                                                  | RMs   |             | 6314                | 50                  | 315700          |
|          | Construction of Staff quarters as per estimate (One unit for 10 to 50 ha & thereafter one unit per every 50 ha)                                                                                                                                        | nos.  |             | 4                   | 800,000             | 3200000         |
|          | Provision of Solar energy for staff quarters including installation                                                                                                                                                                                    | nos.  |             | 4                   | 70,000              | 280000          |
|          | <b>sub total</b>                                                                                                                                                                                                                                       |       |             |                     |                     | <b>5395700</b>  |
| <b>C</b> | <b>ADVANCE WORK</b>                                                                                                                                                                                                                                    |       |             |                     | <b>@Rs. 250 /DL</b> |                 |
|          | Site selection, surveying, demarcation, jungle cutting, burning etc. <b>20 DLs/ha</b>                                                                                                                                                                  | DLs   | 20          | 3080                | 250                 | 770000          |
|          | Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha @ Rs.6/- per polypot                                                                                                                         | nos.  | 2500        | 385000              | 6                   | 2310000         |
|          | <b>Preparation of polypot saplings in the field nursery for vacancy filling</b>                                                                                                                                                                        |       |             |                     |                     |                 |
|          | a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) .i.e., 625 Seedlings/ ha @ Rs.6.5/- per polypot                                                                                                             | nos.  | 625         | 96250               | 6.5                 | 625625          |
|          | b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) .i.e., 500 Seedlings/ ha @ Rs.7/- per polypot                                                                                                               | nos.  | 500         | 77000               | 7                   | 539000          |
|          | c) 15% mortality expected during 3rd year (to be planted in the field during the 4th year).i.e., 375 Seedlings/ ha @ Rs.7.5/- per polypot                                                                                                              | nos.  | 375         | 57750               | 7.5                 | 433125          |
|          | d) 10% mortality expected during 4th year (to be planted in the field during the 5th year).i.e., 250 Seedlings/ ha @ Rs.8/- per polypot                                                                                                                | nos.  | 250         | 38500               | 8                   | 308000          |
|          | Cost of Bamboo, making of stacking & transportation etc                                                                                                                                                                                                | nos.  | 625         | 96250               | 1                   | 96250           |
|          | Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha                                                                                                                                                                      | DLs   | 5           | 770                 | 250                 | 192500          |
|          | Supervision and Monitoring                                                                                                                                                                                                                             | L.S.  |             |                     |                     | 20000           |
|          | <b>Sub total</b>                                                                                                                                                                                                                                       |       |             |                     |                     | <b>5294500</b>  |

| D CREATION & 1 <sup>st</sup> YEAR MAINTENANCE                                                                                                                                                                      |      | @Rs.  |       | 250 /DL |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-------|---------|---------|
| Soil working, carriage of stumps, 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    | 6160  | 250     | 1540000 |
| 5 weedings, mulching and fire protection works @ 18 DLs/ha/weeding                                                                                                                                                 | DLs  | 90    | 13860 | 250     | 3465000 |
| Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                                                    | DLs  | 5     | 770   | 250     | 192500  |
| Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs  |       | 1095  | 250     | 273750  |
| Maintenance of camp huts, implements, ring/tube- well, upkeepment of plantation, signboard, documentation, upkeepment of records and other misc. work                                                              | L.S. |       |       |         | 10000   |
| Awareness & Monitoring @ Rs. 800/ha                                                                                                                                                                                | L.S. |       | 154   | 800     | 123200  |
| Sub total                                                                                                                                                                                                          |      |       |       |         | 5604450 |
| E 2 <sup>nd</sup> YEAR MAINTENANCE                                                                                                                                                                                 |      | @ Rs. |       | 275 /DL |         |
| 5 weedings, fire protection works @ 15 DLs/ha/weeding                                                                                                                                                              | DLs  | 75    | 11550 | 275     | 3176250 |
| 25% Vacancy filling by 1 year old seedlings from nursery@ 10DLs/ha                                                                                                                                                 | DLs  | 10    | 1540  | 275     | 423500  |
| Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                                                    | DLs  | 5     | 770   | 275     | 211750  |
| Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs  |       | 1095  | 275     | 301125  |
| Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.                                                                                | L.S. |       |       |         | 11000   |
| Supervision Cost                                                                                                                                                                                                   | L.S. |       | 1     |         | 123200  |
| Contingency L.S.                                                                                                                                                                                                   | L.S. |       |       |         | 5000    |
| sub total                                                                                                                                                                                                          |      |       |       |         | 4251825 |
| F 3 <sup>rd</sup> YEAR MAINTENANCE                                                                                                                                                                                 |      | @ Rs. |       | 303 /DL |         |
| 4 weedings, fire protection works @15 DLs/ha/weeding                                                                                                                                                               | DLs  | 60    | 9240  | 303     | 2795100 |
| 20% Vacancy filling by 2 year old seedlings from nursery@ 8DLs/ha                                                                                                                                                  | DLs  | 8     | 1232  | 303     | 372680  |
| Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                  | DLs  | 5     | 770   | 303     | 232925  |
| Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs  |       | 1095  | 303     | 331238  |
| Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records                                                                                     | L.S. |       |       |         | 12100   |
| Supervision Cost                                                                                                                                                                                                   | L.S. |       | 1     |         | 123200  |
| Contingency @ 15 % over previous year                                                                                                                                                                              | L.S. |       |       |         | 5750    |
| Sub total                                                                                                                                                                                                          |      |       |       |         | 3872993 |
| G 4 <sup>th</sup> YEAR MAINTENANCE                                                                                                                                                                                 |      | @ Rs. |       | 333 /DL |         |
| 4 weedings, fire protection works @15 dls/ha/weeding                                                                                                                                                               | DLs  | 60    | 9240  | 333     | 3074610 |
| 15% Vacancy filling by 2 year old seedlings from nursery@ 6DLs/ha                                                                                                                                                  | DLs  | 6     | 924   | 333     | 307461  |
| Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha                                                                                                    | DLs  | 5     | 770   | 333     | 256218  |
| Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).                                                                                     | DLs  |       | 1095  | 333     | 364361  |
| Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.                                                                                | L.S. |       |       |         | 13310   |
| Supervision Cost                                                                                                                                                                                                   | L.S. |       | 1     |         | 123200  |
| Contingency @ 15 % over previous year                                                                                                                                                                              | L.S. |       |       |         | 6613    |
| sub total                                                                                                                                                                                                          |      |       |       |         | 4145772 |

| H 5 <sup>th</sup> YEAR MAINTENANCE                                                                                                                  |      | @ Rs. |      | 366 /DL  |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------|----------|---------|
| Climber cutting, weeding & other silvicultural works and fire protection works @ 15DLs/ha                                                           | DLs  | 15    | 3080 | 366      | 1127357 |
| 10% Vacancy filling by 2 year old seedlings from nursery@ 4DLs/ha                                                                                   | DLs  | 4     | 616  | 366      | 225471  |
| Maintenance & fencing post replacement @ 3% initial cost of material                                                                                |      |       | 0.03 | 10102400 | 303072  |
| Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha                                     | DLs  | 4     | 616  | 366      | 225471  |
| Watch and ward for the plantation area(2 DL for 365 days).                                                                                          | DLs  |       | 730  | 366      | 267198  |
| Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S. |       |      |          | 14641   |
| Supervision Cost                                                                                                                                    | L.S. |       | 1    |          | 123200  |
| Contingency @ 15 % over previous year                                                                                                               | L.S. |       |      |          | 7604    |
| sub total                                                                                                                                           |      |       |      |          | 2294015 |
| I 6 <sup>th</sup> YEAR MAINTENANCE                                                                                                                  |      | @ Rs. |      | 403 /DL  |         |
| Climber cutting, other silvicultural works and fire protection works @15 DLs/ha                                                                     | DLs  | 15    | 2310 | 403      | 930070  |
| Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha                                     | DLs  | 4     | 616  | 403      | 248019  |
| Watch and ward for the plantation area(2 DL for 365 days).                                                                                          | DLs  |       | 730  | 403      | 293918  |
| Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S. |       |      |          | 16105   |
| Supervision Cost                                                                                                                                    | L.S. |       |      |          | 123200  |
| Contingency @ 15 % over previous year                                                                                                               | L.S. |       |      |          | 8745    |
| sub total                                                                                                                                           |      |       |      |          | 1620056 |
| J 7 <sup>th</sup> YEAR MAINTENANCE                                                                                                                  |      | @ Rs. |      | 443 /DL  |         |
| Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha                                                                    | DLs  | 12    | 1848 | 443      | 818461  |
| Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha | DLs  | 5     | 770  | 443      | 341025  |
| Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S. |       |      |          | 17716   |
| Supervision Cost                                                                                                                                    | L.S. |       |      |          | 123200  |
| Contingency @ 15 % over previous year                                                                                                               | L.S. |       |      |          | 10057   |
| sub total                                                                                                                                           |      |       |      |          | 1310459 |
| K 8 <sup>th</sup> YEAR MAINTENANCE                                                                                                                  |      | @ Rs. |      | 487 /DL  |         |
| Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha                                                                     | DLs  | 8     | 1232 | 487      | 600205  |
| Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha | DLs  | 5     | 770  | 487      | 375128  |
| Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S. |       |      |          | 19487   |
| Supervision Cost                                                                                                                                    | L.S. |       |      |          | 123200  |
| Contingency @ 15 % over previous year                                                                                                               | L.S. |       |      |          | 11565   |
| sub total                                                                                                                                           |      |       |      |          | 1129585 |

| I | 9 <sup>th</sup> YEAR MAINTENANCE                                                                                                                    | @ Rs. 536 /DL |   |      |                 |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---|------|-----------------|
|   |                                                                                                                                                     | DLs           |   |      |                 |
|   | Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha                                                                     | DLs           | 7 | 1078 | 577697          |
|   | Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha | DLs           | 5 | 770  | 412641          |
|   | Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S.          |   |      | 21436           |
|   | Supervision Cost                                                                                                                                    | L.S.          |   |      | 123200          |
|   | Contingency @ 15 % over previous year                                                                                                               | L.S.          |   |      | 13300           |
|   | <b>sub total</b>                                                                                                                                    |               |   |      | <b>1148274</b>  |
| M | 10 <sup>th</sup> YEAR MAINTENANCE                                                                                                                   | @ Rs. 589 /DL |   |      |                 |
|   |                                                                                                                                                     | DLs           |   |      |                 |
|   | Climber cutting, other silvicultural works, fire protection works @ 6 DLs/ha                                                                        | DLs           | 6 | 924  | 544686          |
|   | Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs / ha | DLs           | 4 | 616  | 363124          |
|   | Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.               | L.S.          |   |      | 23579           |
|   | Supervision Cost                                                                                                                                    | L.S.          |   |      | 123200          |
|   | Contingency @ 15 % over previous year                                                                                                               | L.S.          |   |      | 15295           |
|   | <b>Sub-Total</b>                                                                                                                                    |               |   |      | <b>1069884</b>  |
|   | <b>Total ` =</b>                                                                                                                                    |               |   |      | <b>47871314</b> |
|   | <b>Over head cost @ 50% of Total CA Cost ` =</b>                                                                                                    |               |   |      | <b>23935658</b> |
|   | <b>Grand Total ` =</b>                                                                                                                              |               |   |      | <b>71806972</b> |

**NOTE:**

Cost escalation of 10 % annually has been considered for wages

The norms should be revised annually based on wage rate & cost of materials

\*Pre-cast RCC pillar with 5"x5" cross-section- of 6 ft height (1.5 ft below ground & 4.5 ft above ground) with readymade concrete base of 1 ft width for fixing.

Submitted

*Technically Approved by*

*[Signature]*

Divisional Forest Officer  
Parbatjhora Division, Suparighat

**Divisional Forest Officer**  
**Parbatjhora Forest Division**  
**Suparighat**

Addl. Principal Chief Conservator of Forests  
Cum Council Head of Department, Forests  
Bardoloi Territorial Council  
Kotrajhar