

Estimate for the creation and maintenance of 5.0 Ha. Plantation under Compensatory Afforestation in lieu of the Mahal  
namely Bahatpur Minor Mineral Unit (Sand) under Kamrup West Division, Bamunigaon

|   |   |         |
|---|---|---------|
| Area(Ha.)                                       | - | 5.0 Ha. |
| Species (m X m)                                 | - | 2x2     |
| Number of saplings/Ha.                          | - | 2500    |
| Length of Fence (R.M)                           | - | 200     |
| Wage Rate for the 1st year (Rs.)                | - | 250     |
| Increase in wage rate for subsequent years by a |   | 1.1     |
| Appreciation of material costs by a factor      |   | 1.1     |

| Sl. No. | Particulars of works   | Units | Qty/ Ha.    | Total Qty | Rate / Unit | Amount (Rs.)   |
|---------|--|-------|-------------|-----------|-------------|----------------|
| A.      | <b><u>ERECTION OF FENCING</u></b>  |       | @Rs. 250/DL |           |             |                |
|         | a) Cost of full chain -linked Goat Proofing 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 200 RM @ 800 per RM as per estimate. | RMs   |             | 200       | 800         | 160,000        |
|         | b) Wages of DLS for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/100RM   | DLs   |             | 40        | 250         | 10,000         |
|         | <b>Sub-Total =</b>   |       |             |           |             | <b>170,000</b> |
| B.      | <b><u>INFRASTRUCTURE IN PLANTATION AREA</u></b>  |       |             |           |             |                |
|         | Construction of camp hut   | Nos.  |             | 1         | 50,000      | 50,000         |
|         | Installation of ring/tube well (at least one upto 10 ha. & thereafter two per every 25 ha.).   | Nos.  |             | 1         | 50,000      | 50,000         |
|         | Cost of tools & implements (One unit upto 25 ha. & thereafter one unit per every 25 Ha.)   | nos.  |             | 1         | 10,000      | 10,000         |
|         | Camp accessories @Rs.10,000/- per camp.  | nos.  |             | 1         | 10,000      | 10,000         |
|         | Construction of Inspection Path 250 RM @Rs.50/- RM   | RMs   |             | 250       | 50          | 12,500         |
|         | <b>Sub-Total =</b>   |       |             |           |             | <b>132,500</b> |
| C.      | <b><u>ADVANCE WORK</u></b>   |       |             |           |             |                |
|         | Site selection, surveying, demarcation, jungle cutting, burning etc. @ 20 DLs/Ha   | DLs   | 20          | 100       | 250         | 25,000         |
|         | Preparation and acquisition of polypot saplings in the field nursery for planting 2500 nos. seedling/ha. @ Rs. 6/- per polypot.  | nos.  | 2500        | 12500     | 6           | 75,000         |
|         | <b>Preparation of polypot saplings in the field nursery for vacancy filling.</b>   |       |             |           |             | 0              |
|         | a) 25% mortality expected during 1st year ( to be planted in the field during the 2nd year ) i.e. 625 seedling/ha. @ 6.5/per polypot.  | nos.  | 625         | 3125      | 6.5         | 20,313         |
|         | b) 20% mortality expected during 2nd year ( to be planted in the field during the 3rd year ) i.e. 500 seedlings/ha.@ 7/- polypot.  | nos.  | 500         | 2500      | 7           | 17,500         |
|         | c) 15% mortality expected during 3rd year ( to be planted in the field during the 4th year ) i.e. 375 seedlings/ha.@ 7.5/polypot.  | nos.  | 375         | 1875      | 7.5         | 14,063         |
|         | Cost of Bamboo, making of stacking & transportation etc.   | LS    |             |           |             | 5,000          |
|         | Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha.   | DLs   | 5           | 25        | 250         | 6,250          |
|         | <b>Sub-Total =</b>   |       |             |           |             | <b>163,125</b> |



|    |   |             |    |     |     |                |
|----|---|-------------|----|-----|-----|----------------|
| D. | <u>CREATION &amp; 1ST YEAR MAINTENANCE</u>  |             |    |     |     |                |
|    | Soil working, carriage of stumps, pollypot seedlings & Planting at the plantation site including dibbling of seeds wherever neccessaary to complete raising of plantation with all necessary operation @ 40 DLs/Ha. | DLS         | 40 | 200 | 250 | 50,000         |
|    | 5 weeding, mulching and fire protection works @ 18 DLs ha/weeding   | DLS         | 90 | 450 | 250 | 112,500        |
|    | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)  | DLS         | 1  | 365 | 250 | 91,250         |
|    | <b>Sub-Total =</b>  |             |    |     |     | <b>253,750</b> |
| E. | <u>2ND YEAR MAINTENANCE</u>   | @Rs. 264/DL |    |     |     |                |
|    | 5 weeding, fire protection works @ 10 DLs ha/weeding.   | DLs         | 50 | 250 | 264 | 66,000         |
|    | 25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha.   | DLs         | 10 | 250 | 264 | 66,000         |
|    | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)  | DLs         |    | 365 | 264 | 96,360         |
|    | <b>Sub-Total =</b>  |             |    |     |     | <b>228,360</b> |
| F. | <u>3RD YEAR MAINTENANCE</u>   | @Rs. 290/DL |    |     |     |                |
|    | 4 wedding, fire protection works @ 8 DLs ha/weeding.  | DLS         | 8  | 160 | 290 | 2,320          |
|    | 20% vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha.  | DLs         | 8  | 40  | 290 | 2,320          |
|    | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)  | LS          |    | 365 | 290 | 105,850        |
|    | <b>Sub-Total =</b>  |             |    |     |     | <b>110,490</b> |
| G. | <u>4TH YEAR MAINTENANCE</u>   | @Rs. 319/DL |    |     |     |                |
|    | 4 weeding, fire protection works @ 8 DLs ha/weeding.  | DLS         | 8  | 160 | 319 | 2,552          |
|    | 15% vacancy filling by 2 year old seedlings from nursery @ 6 DLs/ha.  | DLs         | 6  | 30  | 319 | 1,914          |
|    | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)  | DLs         |    | 365 | 319 | 116,435        |
|    | <b>Sub-Total =</b>  |             |    |     |     | <b>120,901</b> |
| H. | <u>5TH YEAR MAINTENANCE</u>   | @Rs. 350/DL |    |     |     |                |
|    | Climber cutting, weeding and other silvicultural works and fire protection works @ 5 DLs / ha.  | DLs         | 5  | 25  | 350 | 8,750          |
|    | Maintenance of camp huts, implements, ring/tube well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.   | Ls          |    |     |     | 15,000         |
|    | Watch and ward for the plantation area (1DL for 365 days)   | DLs         |    | 365 | 350 | 127,750        |
|    | <b>Sub-Total =</b>  |             |    |     |     | <b>151,500</b> |
| I. | <u>6TH YEAR MAINTENANCE</u>   | @Rs. 385/DL |    |     |     |                |
|    | Climber cutting, other silvicultural works and fire protection works @ 5 DLs / ha.  | DLs         | 5  | 25  | 385 | 9,625          |
|    | Contingency   | Ls          |    |     |     | 5,000          |
|    | <b>Sub-Total =</b>  |             |    |     |     | <b>14,625</b>  |
| J. | <u>7TH YEAR MAINTENANCE</u>   | @Rs. 423/DL |    |     |     |                |
|    | Climber cutting, other silvicultural works and fire protection works @ 5 DLs / ha.  | DLs         | 5  | 25  | 423 | 10,575         |

|    |   |             |   |    |     |                  |
|----|---|-------------|---|----|-----|------------------|
|    | Maintenance of camp huts, implements, ring/tube well, upkeepment of plantation, signboard, documentation & upkeepment of records etc. | Ls          |   |    |     | 15,000           |
|    | Contingency   | Ls          |   |    |     | 5,000            |
|    | <b>Sub-Total =</b>  |             |   |    |     | <b>30,575</b>    |
| K. | <b>8TH YEAR MAINTENANCE</b>   | @Rs.465/DL  |   |    |     |                  |
|    | Climber cutting, other silvicultural works and fire protection works @ 5 DLs / ha.  | DLs         | 5 | 25 | 465 | 11,625           |
|    | Contingency   | Ls          |   |    |     | 5,000            |
|    | <b>Sub-Total =</b>  |             |   |    |     | <b>16,625</b>    |
| L. | <b>9TH YEAR MAINTENANCE</b>   | @Rs.511/DL  |   |    |     |                  |
|    | Climber cutting, other silvicultural works and fire protection works @ 5 DLs / ha.  | DLs         | 5 | 25 | 511 | 12,775           |
|    | contingency   | LS          |   |    |     | 724              |
|    | <b>Sub-Total =</b>  |             |   |    |     | <b>13,499</b>    |
| M. | <b>10TH YEAR MAINTENANCE</b>  | @Rs. 562/DL |   |    |     |                  |
|    | Climber cutting, other silvicultural works and fire protection works @ 5 DLs / ha.  | DLs         | 5 | 25 | 562 | 14,050           |
|    | <b>Sub-Total =</b>  |             |   |    |     | <b>14,050</b>    |
|    | <b>Total =</b>  |             |   |    |     | <b>1,420,000</b> |

**Abstract**

|   |                    |                  |
|---|--------------------|------------------|
| Erection of fencing                                     | -                  | 170,000          |
| Infrastructure in Plantation Area                       | -                  | 132,500          |
| Advance works   | -                  | 163,125          |
| Creation & 1st year maint.                              | -                  | 253,750          |
| 2nd year maintenance                                    | -                  | 228,360          |
| 3rd year maintenance                                    | -                  | 110,490          |
| 4th year maintenance                                    | -                  | 120,901          |
| 5th year maintenance                                    | -                  | 151,500          |
| 6th year maintenance                                    | -                  | 14,625           |
| 7th year maintenance                                    | -                  | 30,575           |
| 8th year maintenance                                    | -                  | 16,625           |
| 9th year maintenance                                    | -                  | 13,499           |
| 10th year maintenance                                   | -                  | 14,050           |
|   | <b>Total</b>       | <b>1,420,000</b> |
| <b>50% Over Head Cost of Compensatory Afforestation</b> | -                  | 710,000          |
|   | <b>Grand Total</b> | <b>2,130,000</b> |

Technically approved.  
**Technically Approved**

14/12/18  
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