

# SCHEME FOR COMPENSATORY AFFORESTATION

**PROJECT:-** DIVERSION OF 4.136 HECTARE OF FOREST LAND IN KACHUGAON FOREST DIVISION  
FOR CONSTRUCTION OF 400 KV TRANSMISSION LINE BY POWERGRID CORPORATION.

|                                                        |          |
|--------------------------------------------------------|----------|
| AREA FOR COMPENSATORY AFFORESTATION                    | 8.5 HA   |
| SPACING (METER)                                        | 2M X 2 M |
| NUMBER OF SAPLING/Ha                                   | 2500     |
| LENGTH OF FENCING (RM)                                 | 1300 RM  |
| WAGE RATE (AS PER CAMPA NORMS OF ASSAM FOREST DEPTT)   | RS. 240  |
| INCREASE IN WAGE RATE FOR SUBSEQUENT YEARS BY A FACTOR | 1.1      |
| APPRECIATION OF MATERIAL COST BY A FACTOR              | 1.1      |

| S.No.    | Particulars of Workers                                                                                                                                                                                                                        | Units | Qty. /<br>ha | Total<br>Qty. | Rate /<br>Unit | Amount<br>(Rs.) |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|---------------|----------------|-----------------|
| <b>A</b> | <b>ERECTION OF FENCING</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 1300 RM @ Rs. 800 per RM as per estimate | RMs   |              | 1300          | 800            | 1040000         |
|          | (b) Wages for DLs for carrying , fitting, fixing etc. of fencing materials @ 20 DLs/ 100 RM                                                                                                                                                   | DLs   |              | 260           | 240            | 62400           |
|          | <b>Sub-total</b>                                                                                                                                                                                                                              |       |              |               |                | <b>1102400</b>  |
| <b>B</b> | <b>INFRASTRUCTURE IN PLANTATION AREA</b>                                                                                                                                                                                                      |       |              |               |                |                 |
|          | Construction of camp hut (at least one upto 25 ha & thereafter one per every 25 ha) as per estimate                                                                                                                                           | nos.  |              | 1             | 150000         | 150000          |
|          | Instalation of ring/tube well (at least one upto 10 ha & thereafter two per every 25 ha)                                                                                                                                                      | nos.  |              | 1             | 50000          | 50000           |
|          | Irrigation facility with Diesel generator and hose pipes for watering the nursery and plantation (during dry spells)                                                                                                                          | nos.  |              | 1             | 50000          | 50000           |
|          | Cost of tools & implements (One unit upto 25 ha & thereafter one unit per every 25 ha)                                                                                                                                                        | nos.  |              | 1             | 10000          | 10000           |
|          | Cost of RCC signboard & Gate including fitting and fixing of the same (at least one upto 25 ha & thereafter one per every 25 ha)                                                                                                              | nos.  |              | 1             | 60000          | 60000           |
|          | Camp accessories @ Rs. 10,000/ per camp                                                                                                                                                                                                       | nos.  |              | 1             | 10000          | 10000           |
|          | Construction of Inspection Path 2380 RM @ Rs. 50/- RM                                                                                                                                                                                         | RMs   |              | 2380          | 50             | 119000          |
|          | <b>Sub-total</b>                                                                                                                                                                                                                              |       |              |               |                | <b>449000</b>   |
| <b>C</b> | <b>ADVANCE WORK</b>                                                                                                                                                                                                                           |       |              |               |                |                 |
|          | Site selection, surveying, demarcations, jungle cutting, burning etc. 20 DLs/ha                                                                                                                                                               | DLs   | 20           | 170           | 240            | 40800           |
|          | Prepration and acquisition of polypot saplings in the field nursery for planting 2500 Nos. seedlings/ha @ Rs. 8/- per polypot/stump.                                                                                                          | Nos.  | 2500         | 21250         | 8              | 170000          |
|          | <b>Prepration 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. 8/- per polypot/stump                                                                                                 | Nos.  | 625          | 5313          | 8              | 42504           |
|          | b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) i.e. 500 Seedlings/ ha @ Rs. 8/- per polypot/stump                                                                                                 | Nos.  | 500          | 4250          | 8              | 34000           |
|          | c) 15% mortality expected during 3rd year (to be planted in the field during the 4th year) i.e. 375 Seedlings/ ha @ Rs. 8/- per polypot/stump                                                                                                 | Nos.  | 375          | 3187.5        | 8              | 25500           |
|          | 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.  | 375          | 3187.5        | 8              | 25500           |

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|          |                                                                                                                                                                                                                    |      |    |       |     |               |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|-------|-----|---------------|
|          | Supervision and Monitoring                                                                                                                                                                                         | L.S. |    |       |     | 10000         |
|          | <b>Sub-total</b>                                                                                                                                                                                                   |      |    |       |     | <b>137504</b> |
| <b>D</b> | <b>CREATION &amp; 1<sup>st</sup> YEAR MAINTENANCE (@ 240/DLS)</b>                                                                                                                                                  |      |    |       |     |               |
|          | 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 | 340   | 240 | 81600         |
|          | 5 weedings, mulching and fire protection works @ 18 DLS/ha/weeding                                                                                                                                                 | DLs  | 90 | 765   | 240 | 183600        |
|          | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLS/ha                                                                                                    | DLs  | 5  | 42.5  | 240 | 10200         |
|          | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DLS for 365 days).                                                                                                       | DLs  | 1  | 365   | 240 | 87600         |
|          | 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. |    | 8.5   | 800 | 6800          |
|          | <b>Sub-total</b>                                                                                                                                                                                                   |      |    |       |     | <b>379800</b> |
| <b>E</b> | <b>2<sup>nd</sup> YEAR MAINTENANCE (@ 264/DLS)</b>                                                                                                                                                                 |      |    |       |     |               |
|          | 5 weedings, fire protection works @ 15 DLS/ha/weeding                                                                                                                                                              | DLs  | 75 | 637.5 | 264 | 168300        |
|          | 25% Vacancy filling by 1 year old seedlings from nursery@10DLs/ha                                                                                                                                                  | DLs  | 10 | 85    | 264 | 22440         |
|          | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLS/ha                                                                                                    | DLs  | 5  | 42.5  | 264 | 11220         |
|          | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days).                                                                                                        | DLs  |    | 365   | 264 | 96360         |
|          | Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation, upkeepment of records etc.                                                                               | L.S. |    |       |     | 11000         |
|          | Supervision Cost                                                                                                                                                                                                   | L.S. |    |       |     | 2912          |
|          | Contingency L.S.                                                                                                                                                                                                   | L.S. |    |       |     | 2500          |
|          | <b>Sub-total</b>                                                                                                                                                                                                   |      |    |       |     | <b>314732</b> |
| <b>F</b> | <b>3<sup>rd</sup> YEAR MAINTENANCE (@ 290/DLS)</b>                                                                                                                                                                 |      |    |       |     |               |
|          | 4 weedings, fire protection works @ 15 DLS/ha/weeding                                                                                                                                                              | DLs  | 60 | 510   | 290 | 147900        |
|          | 20% Vacancy filling by 2 year old seedlings from nursery@8DLs/ha                                                                                                                                                   | DLs  | 8  | 68    | 290 | 19720         |
|          | 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  | 42.5  | 290 | 12325         |
|          | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days).                                                                                                        | DLs  |    | 365   | 290 | 105850        |
|          | Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation, upkeepment of records etc.                                                                               | L.S. |    |       |     | 12100         |
|          | Supervision Cost                                                                                                                                                                                                   | L.S. |    | 1     |     | 2912          |
|          | Contingency @ 15% over previous year                                                                                                                                                                               | L.S. |    |       |     | 2875          |
|          | <b>Sub-total</b>                                                                                                                                                                                                   |      |    |       |     | <b>303682</b> |
| <b>G</b> | <b>4<sup>th</sup> YEAR MAINTENANCE (@ 319/DLS)</b>                                                                                                                                                                 |      |    |       |     |               |
|          | 4 weedings, fire protection works @ 15 DLS/ha/weeding                                                                                                                                                              | DLs  | 60 | 510   | 319 | 162690        |
|          | 15% Vacancy filling by 2 year old seedlings from nursery@6DLs/ha                                                                                                                                                   | DLs  | 6  | 51    | 319 | 16269         |
|          | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLS/ha                                                                                                    | DLs  | 5  | 42.5  | 319 | 13557.5       |
|          | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days).                                                                                                        | DLs  |    | 365   | 319 | 116435        |
|          | Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation, upkeepment of records etc.                                                                               | L.S. |    |       |     | 13310         |

  
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|          | Supervision Cost                                                                                                                                  | L.S. |    |       |         | 2912            |
|          | Contingency @ 15% over previous year                                                                                                              | L.S. |    |       |         | 3306            |
|          | <b>Sub-total</b>                                                                                                                                  |      |    |       |         | <b>328479.5</b> |
| <b>H</b> | <b>5<sup>th</sup> YEAR MAINTENANCE (@ 351/DLS)</b>                                                                                                |      |    |       |         |                 |
|          | Climber cutting, weedings and other silvicultural works and fire protection works @ 15 DLs/ha                                                     | DLs  | 15 | 127.5 | 351     | 44752.5         |
|          | 10% Vacancy filling by 2 year old seedlings from nursery@4DLs/ha                                                                                  | DLs  | 4  | 34    | 351     | 11934           |
|          | Maintenance & fencing post replacement @ 3% initial cost of material                                                                              |      |    | 0.03  | 1040000 | 31200           |
|          | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha                                   | DLs  | 4  | 34    | 351     | 11934           |
|          | Watch and ward for the plantation area (1 DL for 365 days)                                                                                        | DLs  |    | 365   | 351     | 128115          |
|          | Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation, upkeepment of records etc.              | L.S. |    |       |         | 14641           |
|          | Supervision Cost                                                                                                                                  | L.S. |    |       |         | 2912            |
|          | Contingency @ 15% over previous year                                                                                                              | L.S. |    |       |         | 3802            |
|          | <b>Sub-total</b>                                                                                                                                  |      |    |       |         | <b>249290.5</b> |
| <b>I</b> | <b>6<sup>th</sup> YEAR MAINTENANCE (@ 386/DLS)</b>                                                                                                |      |    |       |         |                 |
|          | Climber cutting, other silvicultural works and fire protection works @ 15 DLs/ha                                                                  | DLs  | 15 | 127.5 | 386     | 49215           |
|          | Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha                                   | DLs  | 4  | 34    | 386     | 13124           |
|          | Watch and ward for the plantation area (1 DL for 365 days)                                                                                        | DLs  |    | 365   | 386     | 140890          |
|          | Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation, upkeepment of records etc.              | L.S. |    |       |         | 16105           |
|          | Supervision Cost                                                                                                                                  | L.S. |    |       |         | 2912            |
|          | Contingency @ 15% over previous year                                                                                                              | L.S. |    |       |         | 4373            |
|          | <b>Sub-total</b>                                                                                                                                  |      |    |       |         | <b>226619</b>   |
| <b>J</b> | <b>7<sup>th</sup> YEAR MAINTENANCE (@ 425/DLS)</b>                                                                                                |      |    |       |         |                 |
|          | Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha                                                                  | DLs  | 12 | 102   | 425     | 43350           |
|          | 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  | 42.5  | 425     | 18062.5         |
|          | Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation, upkeepment of records etc.              | L.S. |    |       |         | 17716           |
|          | Supervision Cost                                                                                                                                  | L.S. |    |       |         | 2912            |
|          | Contingency @ 15% over previous year                                                                                                              | L.S. |    |       |         | 5028            |
|          | <b>Sub-total</b>                                                                                                                                  |      |    |       |         | <b>87068.5</b>  |
| <b>K</b> | <b>8<sup>th</sup> YEAR MAINTENANCE (@ 468/DLS)</b>                                                                                                |      |    |       |         |                 |
|          | Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha                                                                   | DLs  | 8  | 68    | 468     | 31824           |
|          | 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  | 42.5  | 468     | 19890           |
|          | Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation, upkeepment of records etc.              | L.S. |    |       |         | 19487           |
|          | Supervision Cost                                                                                                                                  | L.S. |    |       |         | 2912            |
|          | Contingency @ 15% over previous year                                                                                                              | L.S. |    |       |         | 5783            |
|          | <b>Sub-total</b>                                                                                                                                  |      |    |       |         | <b>79896</b>    |
| <b>L</b> | <b>9<sup>th</sup> YEAR MAINTENANCE (@ 515/DLS)</b>                                                                                                |      |    |       |         |                 |
|          | Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha                                                                   | DLs  | 7  | 59.5  | 515     | 30642.5         |

  
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