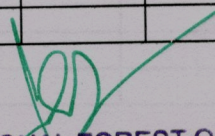


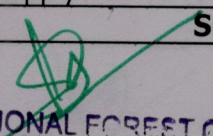
of 0.0054 ha forest land for construction of 66 kv tower line from 66 kv G/S/S Ramuwala to 66 kv G/S/S Chrik Sc/Dc tower line in Distt Moga under forest Division Ferozepur

**Plantation Model For Standard Plantation under Compensatory Afforestation**  
**Plants Per Hectare : 1000 Nos. Wage Rate Rs. 397**

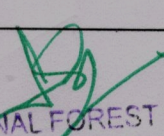
| Sr. No.  | Name of Work                                                          | Unit     | Qty.          | Unit Cost (in Rs.) | Amount           |
|----------|-----------------------------------------------------------------------|----------|---------------|--------------------|------------------|
|          | <b>Nursery</b>                                                        |          |               |                    |                  |
|          | Nursery cost of raising plants                                        | 1100     | 1100          | 20.00              | 22000.00         |
| <b>A</b> | <b>Soil Work</b>                                                      |          |               |                    |                  |
| 1        | Site / Jungle Clearance (25%)                                         | Ha.      | 0.5           | 5367.22            | 2683.61          |
| 2        | Alignment & Dagbaling                                                 | Ha.      | 1             | 984.00             | 984.00           |
| 3        | Earth works in Digging of Pits 1000 x 0.5 m x 0.5 m x 0.4 m           | 1 M3     | 100           | 101.38             | 10138.00         |
| 5        | Kana Stubbing 25%                                                     | Ha.      | 0.25          | 26836.00           | 6709.00          |
| <b>B</b> | <b>Plantation Work</b>                                                |          |               |                    |                  |
| 1        | Refilling of Pits 1000x0.5mx0.5mx0.3                                  | 100 cum  | 75            | 2747.00            | 2060.25          |
| 2        | Loading & Unloading of Plants (1000+10% Wastage=1100)                 | 100 No.  | 1100          | 550.00             | 6050.00          |
| 3        | Carriage of Plants (1000+10% wastage =1100 avg. distance upto 10 km.) | 100 No.  | 1100          | 196.80             | 2164.80          |
| 4        | i) Carriage from site to site                                         | 100 No.  | 1000          | 131.20             | 1312.00          |
|          | ii) Planting of Plants (1000 No. including 10% replacement)           | 100 No.  | 1000          | 984.00             | 9840.00          |
| 5        | Spot Irrigation (1000 Plants)                                         | 100 No.  | 1000          | 205.00             | 2050.00          |
| 6        | Application of Insecticide (2 Times)                                  | 100 No.  | 1000          | 41.00              | 410.00           |
| 7        | Application of Fertilizers (2 Times)                                  | 100 No.  | 1000          | 41.00              | 410.00           |
| 8        | Weeding & Hoeing 3 Times                                              | 100 No.  | 3000          | 357.52             | 10725.60         |
| 9        | Hand Watering (12 Times)                                              | 100 No.  | 12000         | 205.00             | 24600.00         |
| 10       | Replanting of Plants 10%                                              | 100 No.  | 100           | 579.11             | 579.11           |
| 11       | Rejungle Clearance (2 Times)                                          | Per Ha.  | 1             | 2378.00            | 2378.00          |
| 12       | Covering (25% plants) of plants                                       | 100 No.  | 250           | 295.20             | 738.00           |
| 13       | Uncovering of plants                                                  | 100 No.  | 250           | 32.80              | 82.00            |
| 14       | Restubbing of Kana (1 Time)                                           |          | 0.25          | 26836.30           | 6709.08          |
| 15       | Laying out & fixing of Barbed Wire                                    | L/s      |               |                    | 7872.00          |
| 16       | Watch & Ward for every 10 Ha. ( 7 Months)                             | Man Year | 1 Man 7 Month | 8528.00            | 5969.60          |
| 17       | Material                                                              |          |               |                    |                  |
|          | i) Insecticides / Fertilizers                                         | L/s      |               |                    | 5000.00          |
|          | ii) POL                                                               | L/s      |               |                    | 5000.00          |
|          | iii) Barbed Wire                                                      | L/s      |               |                    | 50000.00         |
|          | <b>Sub Total</b>                                                      |          |               |                    | <b>186465.05</b> |
|          | <b>Maintenance 1 Year</b>                                             |          |               |                    |                  |

  
 DIVISIONAL FOREST OFFICER  
 FEROC DIVISION  
 FEROCZEPUR  
 4/13/21

|    |                                                                      |          |              |          |                 |
|----|----------------------------------------------------------------------|----------|--------------|----------|-----------------|
| 1  | Cost of raising plants for 30% replacement                           | 1 No.    | 300          | 20.00    | 6000.00         |
| 2  | Reopening of Pits 300 x 0.50 x 0.50 x 0.30                           | 1 m3     | 21.6         | 59.63    | 1341.68         |
| 3  | Refilling of pits with earth in other soils 300 x 0.50 x 0.50 x 0.30 | 1 m3     | 21.6         | 27.47    | 618.08          |
| 4  | Loading & Unloading of Plants                                        | 1 No.    | 300          | 2.46     | 738.00          |
| 5  | Carriage of Plants (300+10% Wastage = 330 avg. distance upto 10 Km.) | 100 No.  | 1            | 196.20   | 196.20          |
| 6  | Spreading of plants pit to pit                                       | 100 No.  | 165          | 131.20   | 216.48          |
| 7  | Re-Planting to plants                                                | 100 No.  | 165          | 329.08   | 542.98          |
| 8  | Spot Irrigation                                                      | 100 No.  | 165          | 205.00   | 338.25          |
| 9  | Weeding & Hoeing (three)                                             | 100 No.  | 3000         | 357.52   | 10725.60        |
| 10 | Application of Insecticide (2 Times)                                 | 100 No.  | 1000         | 41.00    | 410.00          |
| 11 | Application of Fertilizers (2 Times)                                 | 100 No.  | 1000         | 41.00    | 410.00          |
| 12 | Hand Watering (6 Times)                                              | 100 No.  | 6000         | 357.52   | 21451.20        |
| 13 | Rejungle Clearance (2 Times)                                         | Per Ha.  | 1            | 2378.00  | 2378.00         |
| 14 | Restubbing of Kana                                                   | Per Ha.  | 0.25         | 26836.00 | 6709.00         |
| 15 | Watch & Ward for every 10 Ha. (10 Months)                            | Man Year | 1/10 Man Yr. | 8528.00  | 5969.60         |
| 16 | Repair of Barbed Wire                                                | L/s      |              |          | 5000.00         |
| 17 | POL & Machinery                                                      | L/s      |              |          | 5000.00         |
| 18 | Material and Supply                                                  | L/s      |              |          | 5000.00         |
|    | <b>Sub Total</b>                                                     |          |              |          | <b>73045.06</b> |
|    | <b>2nd Year Maintenance</b>                                          |          |              |          |                 |
| 1  | Cost of raising plants for 15% replacement                           | 1 No.    | 150          | 20.00    | 3000.00         |
| 2  | Reopening of Pits 150 x 0.60 x 0.60 x 0.40                           | 1 m3     | 21.6         | 59.63    | 644.00          |
| 3  | Refilling of pits with earth in other soils 150x 0.60 x 0.60 x 0.40  | 1 m3     | 21.6         | 27.47    | 296.68          |
| 4  | Loading & Unloading of Plants                                        | 1 No.    | 75           | 2.46     | 184.50          |
| 5  | Carriage of Plants Wastage = 75 avg. distance upto 10 Km.)           | 500 No.  | 1            | 196.20   | 196.20          |
| 6  | Spreading of plants pit to pit                                       | 100 No.  | 75           | 131.20   | 98.40           |
| 7  | Re-Planting to plants                                                | 100 No.  | 75           | 229.09   | 171.82          |
| 8  | Spot Irrigation                                                      | 100 No.  | 75           | 205.00   | 153.75          |
| 9  | Weeding & Hoeing (Twice)                                             | 100 No.  | 2000         | 357.52   | 7150.40         |
| 10 | Hand Watering (5 Times)                                              | 100 No.  | 5000         | 205.00   | 10250.00        |
| 11 | Rejungle Clearance (2 Times)                                         | Per Ha.  | 1            | 2378.00  | 2378.00         |
| 12 | Pruning to Plants                                                    | 100 No.  | 100          | 387.61   | 387.61          |
| 13 | Watch & Ward for every 10 Ha.                                        | Man Year | 1/10 Man Yr. | 8528.00  | 5969.60         |
| 14 | Repair of Barbed Wire                                                | L/s      |              |          | 5000.00         |
| 15 | POL & Machinery                                                      | L/s      |              |          | 5000.00         |
| 18 | Material and Supply                                                  | L/s      |              |          | 5000.00         |
|    | <b>Sub Total</b>                                                     |          |              |          | <b>45880.96</b> |

  
 DIVISIONAL FOREST OFFICER  
 FEROREPUR DIVISION  
 FEROREPUR  
 4/8/21

|    |                                                                      |          |              |         |                 |
|----|----------------------------------------------------------------------|----------|--------------|---------|-----------------|
|    | <b>3rd Year Maintenance</b>                                          |          |              |         |                 |
| 1  | Cost of raising plants for 10% replacement                           | 1 No.    | 100          | 20.00   | 2000.00         |
| 2  | Reopening of Pits 100 x 0.50 x 0.50 x 0.40                           | 1 m3     | 10           | 5963.00 | 429.34          |
| 3  | Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30 | 1 m3     | 7.5          | 27.47   | 197.78          |
| 4  | Loading & Unloading of Plants                                        | 1 No.    | 100          | 2.46    | 246.00          |
| 5  | Carriage of Plants 50 avg. distance upto 10 Km.)                     | 100 No.  | 100          | 1.00    | 100.00          |
| 6  | Spreading of plants pit to pit                                       | 100 No.  | 100          | 131.20  | 131.20          |
| 7  | Re-Planting to plants                                                | 100 No.  | 100          | 229.09  | 229.09          |
| 8  | Spot Irrigation                                                      | 100 No.  | 100          | 205.00  | 205.00          |
| 9  | Weeding & Hoeing (twice)                                             | 100 No.  | 2000         | 357.52  | 7150.40         |
| 10 | Hand Watering (5 Times)                                              | 100 No.  | 5000         | 205.00  | 10250.00        |
| 11 | Pruning to Plants 20%                                                | 100 No.  | 200          | 387.61  | 775.22          |
| 12 | Watch & Ward for every 10 Ha.                                        | Man Year | 1/10 Man Yr. | 8528.00 | 5969.60         |
| 13 | Repair of Barbed Wire                                                | L/s      |              |         | 5000.00         |
| 14 | POL & Machinery                                                      | L/s      |              |         | 5000.00         |
| 15 | Material and Supply                                                  | L/s      |              |         | 5000.00         |
|    | <b>Sub Total</b>                                                     |          |              |         | <b>42683.63</b> |
|    |                                                                      |          |              |         |                 |
|    | <b>4th Year Maintenance</b>                                          |          |              |         |                 |
| 1  | Cost of raising plants for 5% replacement                            | 1 No.    | 50           | 20.00   | 1000.00         |
| 2  | Reopening of Pits 50 x 0.50 x 0.50 x 0.40                            | 1 m3     | 5            | 5963.00 | 429.34          |
| 3  | Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30 | 1 m3     | 3.75         | 27.47   | 197.78          |
| 4  | Loading & Unloading of Plants                                        | 1 No.    | 50           | 2.46    | 123.00          |
| 5  | Carriage of Plants 50 avg. distance upto 10 Km.)                     | 100 No.  | 50           | 1.00    | 50.00           |
| 6  | Spreading of plants pit to pit                                       | 100 No.  | 50           | 131.20  | 65.60           |
| 7  | Re-Planting to plants                                                | 100 No.  | 50           | 229.09  | 114.54          |
| 8  | Spot Irrigation                                                      | 100 No.  | 50           | 205.00  | 102.50          |
| 9  | Weeding & Hoeing (twice)                                             | 100 No.  | 2000         | 357.52  | 7150.40         |
| 10 | Hand Watering (4 Times)                                              | 100 No.  | 4000         | 205.00  | 8200.00         |
| 11 | Pruning to Plants 30%                                                | 100 No.  | 300          | 387.61  | 1162.83         |
| 12 | Watch & Ward for every 10 Ha.                                        | Man Year | 1/10 Man Yr. | 8528.00 | 5969.60         |
| 13 | Repair of Barbed Wire                                                | L/s      |              |         | 5000.00         |
| 14 | POL & Machinery                                                      | L/s      |              |         | 5000.00         |
| 15 | Material and Supply                                                  | L/s      |              |         | 5000.00         |
|    | <b>Sub Total</b>                                                     |          |              |         | <b>39565.59</b> |
|    |                                                                      |          |              |         |                 |
|    | <b>5th Year Maintenance</b>                                          |          |              |         |                 |
| 1  | Watch & Ward for every 10 Ha. (10 Motnts)                            | Man Year | 1/10 Man Yr. | 8528.00 | 5969.60         |

  
 DIVISIONAL FOREST OFFICER  
 FEROZEPUR DIVISION  
 FEROZEPUR

24/3/21

|   |                                                                                                                              |                               |              |                    |                  |
|---|------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------|--------------------|------------------|
|   |                                                                                                                              | <b>Sub Total</b>              |              |                    | <b>5969.60</b>   |
|   |                                                                                                                              |                               |              |                    |                  |
|   |                                                                                                                              | <b>6th Year Maintenance</b>   |              |                    |                  |
| 1 | Watch & Ward for every 10 Ha. (10 Motnts)                                                                                    | Man Year                      | 1/10 Man Yr. | 8528.00            | 5969.60          |
|   |                                                                                                                              | <b>Sub Total</b>              |              |                    | <b>5969.60</b>   |
|   |                                                                                                                              |                               |              |                    |                  |
|   |                                                                                                                              | <b>7th Year Maintenance</b>   |              |                    |                  |
| 1 | Watch & Ward for every 10 Ha. (10 Motnts)                                                                                    | Man Year                      | 1/10 Man Yr. | 8528.00            | 5969.60          |
|   |                                                                                                                              | <b>Sub Total</b>              |              |                    | <b>5969.60</b>   |
|   |                                                                                                                              |                               |              |                    |                  |
|   |                                                                                                                              | <b>8th Year Maintenance</b>   |              |                    |                  |
| 1 | Watch & Ward for every 10 Ha. (10 Motnts)                                                                                    | Man Year                      | 1/10 Man Yr. | 8528.00            | 5969.60          |
|   |                                                                                                                              | <b>Sub Total</b>              |              |                    | <b>5969.60</b>   |
|   |                                                                                                                              |                               |              |                    |                  |
|   |                                                                                                                              | <b>9th Year Maintenance</b>   |              |                    |                  |
| 1 | Watch & Ward for every 10 Ha. (10 Motnts)                                                                                    | Man Year                      | 1/10 Man Yr. | 8528.00            | 5969.60          |
|   |                                                                                                                              | <b>Sub Total</b>              |              |                    | <b>5969.60</b>   |
|   |                                                                                                                              |                               |              |                    |                  |
|   |                                                                                                                              | <b>10th Year Maintenance</b>  |              |                    |                  |
| 1 | Watch & Ward for every 10 Ha. (10 Motnts)                                                                                    | Man Year                      | 1/10 Man Yr. | 8528.00            | 5969.60          |
|   |                                                                                                                              | <b>Sub Total</b>              |              |                    | <b>5969.60</b>   |
|   |                                                                                                                              | <b>Total</b>                  |              |                    | <b>423457.89</b> |
|   |                                                                                                                              | <b>Over Head expenses 5%</b>  |              |                    | <b>21172.89</b>  |
|   |                                                                                                                              | <b>Wage Enhancement @ 10%</b> |              |                    | <b>42345.79</b>  |
|   |                                                                                                                              | <b>G. Total</b>               |              |                    | <b>486976.58</b> |
|   |                                                                                                                              | <b>Or say</b>                 |              |                    | <b>486977</b>    |
|   |                                                                                                                              |                               |              | <b>Per plant</b>   | <b>487</b>       |
|   | NPV OF 'area 0.0054*626000                                                                                                   | 0.0054                        | 626000.00    | NPV                | 3380.40          |
|   | Cost of Compensatory Afforestation 100 plants @ 487/-                                                                        | 100                           | 487.00       | CA                 | 48700.00         |
|   | Revised Amount @ 585/- for compensatory afforestation due to increase in wage rates of daily wage labour from 328/- to 397/- |                               |              |                    | 58500.00         |
|   | Entry Point Activity 10% on CA                                                                                               |                               |              |                    | 5850.00          |
|   |                                                                                                                              |                               |              | <b>Grand Total</b> | <b>67730.40</b>  |

DIVISIONAL FOREST OFFICE

Divisional Forest Officer,

FEROZEPUR

FEROZEPUR

4/3/21