

File No. : \_\_\_\_\_

Date of Proposal : \_\_\_\_\_

**Annexure-II**  
**ESTIMATE OF PLANTATION WORKS**  
Name of Scheme:- Compensatory Afforestation

Page No. 34

Wage Rate: 202/-  
Plants : 1000 No.

| Advance Work and Plantation |                                                                       |                 |                    |                 |                  |
|-----------------------------|-----------------------------------------------------------------------|-----------------|--------------------|-----------------|------------------|
|                             | Name of Work                                                          | Unit            | Unit Cost (In Rs.) | Qty             | Total Amt        |
|                             | <b>Nursery</b>                                                        |                 |                    |                 |                  |
|                             | Cost of raising plants                                                | 1               | 16                 | 1100            | 17600.00         |
|                             | <b>Soil Works</b>                                                     |                 |                    |                 |                  |
| 1                           | Site /Jungle Clearance (25%)                                          | Ha.             | 3304               | 0.25            | 826.00           |
| 2                           | Alignment & Dagbailing                                                | Ha.             | 525                | 1               | 525.00           |
| 3                           | Earth Work-                                                           |                 |                    |                 |                  |
|                             | (a) Digging of Pits 800x 0.5m x0.5mx0.4m                              | 1M <sup>3</sup> | 62                 | 80              | 4960.00          |
|                             | (b) Preparation of Ridges 500 x .8x.50 m (base 100 cm, top 60 cm)     | 1M <sup>3</sup> | 54                 | 200 m3          | 10816.00         |
| 4                           | Kana Stubbing 20%                                                     | Ha.             | 16526              | 0.20            | 3305.20          |
| 1                           | a) Refilling of Pits                                                  | 100 No          | 84                 | 900             | 756.00           |
|                             | (b) Digging of slots 200 x .3 x .3 x .2 m                             | m3              | 37                 | 3.60            | 133.20           |
| 2                           | Loading & Unloading of Plants (1000+10% Wastage=1100)                 | 100 No          | 25                 | 1100            | 275.00           |
| 3                           | Carriage of Plants (1000+10% Wastage=1100 avg. distance upto 10 km. ) | 100 No          | 121                | 1100            | 1331.00          |
| 4                           | i) Carriage from site to site                                         | 100 No          | 7                  | 1000            | 70.00            |
|                             | ii) Planting of Plants (1000 No Including 10% replacement)            | 100 No          | 219                | 1000            | 2190.00          |
| 5                           | Spot Irrigation (1000 Plants)                                         | 100 No          | 182                | 1000            | 1820.00          |
| 6                           | Application of Insecticide (2 times)                                  | 100 No          | 25                 | 2000            | 500.00           |
| 7                           | Application of Fertilizers (2 times)                                  | 100 No          | 25                 | 2000            | 500.00           |
| 8                           | Weeding & Hoeing 3 times                                              | 100 No          | 219                | 3000            | 6570.00          |
| 9                           | Hand Water (12 times)                                                 | 100 No          | 182                | 12000           | 21840.00         |
| 10                          | Replanting of Plants 10%                                              | 100 No          | 554                | 100             | 554.00           |
| 11                          | Rejungle Clearance (2 times)                                          | Per Ha.         | 1464               | 0.50            | 732.00           |
| 12                          | Covering (25% plants) of plants                                       | 100 No          | 182                | 250             | 455.00           |
| 13                          | Uncovering of plants                                                  | 100 No          | 20                 | 250             | 50.00            |
| 14                          | Restubbing of Kana (1 time)                                           |                 | 6282               | 0.20            | 1256.40          |
| 15                          | Laying out & fixing of Barbed Wire                                    | L/s             |                    |                 | 4200.00          |
| 16                          | Watch & Ward for every 10 Ha. (7 months)                              | Man year        | 3676               | 1Man<br>7 Month | 3676.00          |
| 17                          | Material                                                              |                 |                    |                 |                  |
|                             | i) Insecticides/Fertilizers                                           | L/s             |                    |                 | 4500.00          |
|                             | ii) POL                                                               | L/s             |                    |                 | 10000.00         |
|                             | iii) Barbed Wire& fencing                                             | L/s             |                    |                 | 40000.00         |
|                             | <b>Sup Total</b>                                                      |                 |                    |                 | <b>139440.80</b> |

Divisional Forest Officer  
Gurdaspur Forest Division  
Gurdaspur



Balwant Singh  
Notary, Batala

25 APR 2015

18/5/15

|                             |                                                                      |          |       |                  |                 |
|-----------------------------|----------------------------------------------------------------------|----------|-------|------------------|-----------------|
| 1                           | Cost of raising plants for 25% replacement                           |          |       |                  |                 |
| 2                           | Reopening of Pits 300 x 0.50 x 0.50 x 0.30                           | 1 m3     | 22    | 22.5m3           | 495.00          |
| 3                           | Refilling of pits with earth in other soils 300 x 0.50 x 0.50 x 0.30 | 1 m3     | 11    | 22.5m3           | 247.50          |
| 4                           | Loading & Unloading of Plants                                        | 1 No.    | 0.25  | 300              | 75.00           |
| 5                           | Carriage of Plants (300+10% Wastage=330 avg. distance upto 10 km.)   | 100 No   | 121   | 330              | 399.3           |
| 6                           | Spreading of plants pit to pit                                       | 100 No   | 7     | 300              | 21.0            |
| 7                           | Re-planting to plants                                                | 100 No   | 219   | 300              | 657.0           |
| 8                           | Spot Irrigation                                                      | 100 No.  | 182   | 300              | 546.0           |
| 9                           | Weeding & Hoeing (thrice)                                            | 100 No   | 219   | 3000             | 6570.00         |
| 10                          | App. Of Fertilizer (two times)                                       | 100 No   | 25    | 2000             | 500.00          |
| 11                          | App. Of Insecticide (two times)                                      | 100 No   | 25    | 2000             | 500.00          |
| 12                          | Hand watering 8 Times                                                | 100 No   | 182   | 8000             | 14560.00        |
| 13                          | Jungle Clearance (2 times)                                           | Per Ha.  | 1464  | 0.50             | 732.00          |
| 14                          | Stubbing of Kana                                                     | Per Ha.  | 6282  | 0.20             | 1256.40         |
| 15                          | Watch & Ward for every 10 Ha. (10 months)                            | Man year | 52520 | 1/10 Man yr.     | 5252.00         |
| 16                          | Repair of Barbed wire                                                | L/s      |       |                  | 4500.00         |
| 17                          | POL & Machinery                                                      | L/s      |       |                  | 10000.00        |
| 18                          | Material and supply                                                  | L/s      |       |                  | 7000.00         |
|                             |                                                                      |          |       | <b>Sub Total</b> | <b>58111.20</b> |
| <b>Maintenance II Year</b>  |                                                                      |          |       |                  |                 |
| 1                           | Cost of raising plants for 25% replacement                           | No.      | 16    | 250              | 4000.00         |
| 2                           | Reopening of Pits 250 x 0.50 x 0.50 x 0.30                           | 1 m3     | 22    | 18.75 m3         | 412.50          |
| 3                           | Refilling of pits with earth in other soils 250 x 0.50 x 0.50 x 0.30 | 1 m3     | 11    | 15 m3            | 116.10          |
| 4                           | Loading & Unloading of Plants                                        | 1 No.    | 0.25  | 250              | 62.50           |
| 5                           | Carriage of Plants (200+10% Wastage=220 avg. distance upto 10 km.)   | 100 No   | 121   | 220              | 266.2           |
| 6                           | Spreading of plants pit to pit                                       | 100 No   | 7     | 250              | 17.5            |
| 7                           | Re-planting to plants                                                | 100 No   | 219   | 250              | 547.5           |
| 8                           | Spot Irrigation                                                      | 100 No.  | 182   | 250              | 455.0           |
| 9                           | Weeding & Hoeing (twice)                                             | 100 No   | 219   | 3000             | 6570.00         |
| 10                          | Hand Watering 5 Times                                                | 100 No   | 182   | 5000             | 9100.00         |
| 11                          | Jungle Clearance ( 2 times)                                          | Per Ha.  | 1464  | 0.50             | 732.00          |
| 12                          | Stubbing of Kana                                                     | Per Ha.  | 6282  | 0.20             | 1256.40         |
| 13                          | Pruning to plants 20%                                                | 100 No.  | 184   | 200              | 368.00          |
| 14                          | Watch & Ward for every 10 Ha.                                        | Man year | 57994 | 1/10 Man yr.     | 5799.00         |
| 15                          | Repair of Barbed wire                                                | L/s      |       |                  | 4500.00         |
| 16                          | POL & Machinery                                                      | L/s      |       |                  | 10000.00        |
| 17                          | Material and supply                                                  | L/s      |       |                  | 7000.00         |
|                             |                                                                      |          |       | <b>Sub Total</b> | <b>51202.70</b> |
| <b>Maintenance III Year</b> |                                                                      |          |       |                  |                 |
| 1                           | Cost of raising plants for 20% replacement                           | 1 No.    | 16    | 200              | 3200.00         |
| 2                           | Reopening of Pits 200 x 0.50 x 0.50 x 0.30                           | 1 m3     | 22    | 15 m3            | 330.00          |
| 3                           | Refilling of pits with earth in other soils 200 x 0.50 x 0.50 x 0.30 | 1 m3     | 12    | 15 m3            | 180.00          |
| 4                           | Loading & Unloading of Plants                                        | 1 No.    | 0.25  | 200              | 50.00           |
| 5                           | Carriage of Plants (100+10% Wastage=110 avg. distance upto 10 km.)   | 100 No   | 121   | 110              | 133.10          |
| 6                           | Spreading of plants pit to pit                                       | 100 No   | 7     | 200              | 14.00           |
| 7                           | Re-planting to plants                                                | 100 No   | 219   | 200              | 438.00          |
| 8                           | Spot Irrigation                                                      | 100 No.  | 182   | 200              | 364.00          |
| 9                           | Weeding & Hoeing (thrice)                                            | 100 No   | 219   | 3000             | 6570.00         |
| 10                          | Hand Watering (3 times)                                              | 100 No   | 182   | 3000             | 5460.00         |



for: Punjabi/Urdu to English

Barwant Singh

Notary, Batala, 06 APR 2015

Gurdaspur Forest Division

18

|    |                               |          |       |                  |                 |
|----|-------------------------------|----------|-------|------------------|-----------------|
| 12 | Stubbing of Kana              | Per Ha.  | 6282  | 0.20             | 1256.40         |
| 13 | Pruning to plants 20%         | 100 No.  | 184   | 200              | 368.00          |
| 14 | Watch & Ward for every 10 Ha. | Man year | 52520 | 1/10 Man yr.     | 5252.00         |
| 15 | Repair of Barbed wire         | L/s      |       |                  | 4500.00         |
| 16 | POL & Machinery               | L/s      |       |                  | 10000.00        |
| 17 | Material and supply           | L/s      |       |                  | 7000.00         |
|    |                               |          |       | <b>Sub Total</b> | <b>45847.50</b> |

#### Maintenance IV Year

|    |                                                                      |          |       |                  |                 |
|----|----------------------------------------------------------------------|----------|-------|------------------|-----------------|
| 1  | Cost of raising plants for 15% replacement                           | 1 No.    | 16    | 150              | 2400.00         |
| 2  | Reopening of Pits 150 x 0.50 x 0.50 x 0.30                           | 1 m3     | 22    | 11.25 m3         | 247.50          |
| 3  | Refilling of pits with earth in other soils 150 x 0.50 x 0.50 x 0.30 | 1 m3     | 12    | 11.25 m3         | 135.00          |
| 4  | Loading & Unloading of Plants                                        | 1 No.    | 0.25  | 150              | 37.50           |
| 5  | Carriage of Plants (100+10% Wastage=110 avg. distance upto 10 km.)   | 100 No   | 121   | 110              | 133.10          |
| 6  | Spreading of plants pit to pit                                       | 100 No   | 7     | 150              | 10.50           |
| 7  | Re-planting to plants                                                | 100 No   | 219   | 150              | 328.50          |
| 8  | Spot Irrigation                                                      | 100 No.  | 182   | 150              | 273.00          |
| 9  | Weeding & Hoeing (thrice)                                            | 100 No   | 219   | 3000             | 6570.00         |
| 10 | Hand Watering (3 times)                                              | 100 No   | 182   | 3000             | 5460.00         |
| 11 | Jungle Clearance ( 2 times)                                          | Per Ha.  | 1464  | 0.50             | 732.00          |
| 12 | Stubbing of Kana                                                     | Per Ha.  | 6282  | 0.20             | 1256.40         |
| 13 | Pruning to plants 30%                                                | 100 No.  | 184   | 300              | 552.00          |
| 14 | Watch & Ward for every 10 Ha.                                        | Man year | 52520 | 1/10 Man yr.     | 5252.00         |
| 15 | Repair of Barbed wire                                                | L/s      |       |                  | 4500.00         |
| 16 | POL & Machinery                                                      | L/s      |       |                  | 10000.00        |
| 17 | Material and supply                                                  | L/s      |       |                  | 7000.00         |
|    |                                                                      |          |       | <b>Sub Total</b> | <b>44887.50</b> |

#### Maintenance V Year

|    |                                                                      |          |       |                  |                 |
|----|----------------------------------------------------------------------|----------|-------|------------------|-----------------|
| 1  | Cost of raising plants for 10% replacement                           | 1 No.    | 16    | 100              | 1600.00         |
| 2  | Reopening of Pits 100 x 0.50 x 0.50 x 0.30                           | 1 m3     | 22    | 7.5 m3           | 165.00          |
| 3  | Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30 | 1 m3     | 12    | 7.5 m3           | 90.00           |
| 4  | Loading & Unloading of Plants                                        | 1 No.    | 0.25  | 100              | 25.00           |
| 5  | Carriage of Plants (100+10% Wastage=110 avg. distance upto 10 km.)   | 100 No   | 121   | 110              | 133.10          |
| 6  | Spreading of plants pit to pit                                       | 100 No   | 7     | 100              | 7.00            |
| 7  | Re-planting to plants                                                | 100 No   | 219   | 100              | 219.00          |
| 8  | Spot Irrigation                                                      | 100 No.  | 182   | 100              | 182.00          |
| 9  | Weeding & Hoeing (thrice)                                            | 100 No   | 219   | 3000             | 6570.00         |
| 10 | Hand Watering (3 times)                                              | 100 No   | 182   | 3000             | 5460.00         |
| 11 | Jungle Clearance ( 2 times)                                          | Per. Ha. | 1464  | 0.50             | 732.00          |
| 12 | Stubbing of Kana                                                     | Per Ha.  | 6282  | 0.20             | 1256.40         |
| 13 | Pruning to plants 30%                                                | 100 No.  | 184   | 300              | 552.00          |
| 14 | Watch & Ward for every 10 Ha.                                        | Man year | 52520 | 1/10 Man yr.     | 5252.00         |
| 15 | Repair of Barbed wire                                                | L/s      |       |                  | 4500.00         |
| 16 | POL & Machinery                                                      | L/s      |       |                  | 10000.00        |
| 17 | Material and supply                                                  | L/s      |       |                  | 7000.00         |
|    |                                                                      |          |       | <b>Sub Total</b> | <b>43743.50</b> |

Divisional Forest Officer  
Girdaspur Forest Division

Gurdaspur

Non-Mutual Unit to English

Bhawani Singh

10/09/2010

| Maintenance VI Year   |                                                                                                      |          |               |                  |                  |
|-----------------------|------------------------------------------------------------------------------------------------------|----------|---------------|------------------|------------------|
| 1                     | Cost of raising plants for 5% replacement                                                            | 1 No.    | 16            | 50               | 800.00           |
| 2                     | Reopening of Pits 50 x 0.50 x 0.50 x 0.30                                                            | 1 m3     | 22            | 3.75 m3          | 82.50            |
| 3                     | Refilling of pits with earth in other soils 50 x 0.50 x 0.50 x 0.30                                  | 1 m3     | 12            | 3.75 m3          | 45.00            |
| 4                     | Loading & Unloading of Plants                                                                        | 1 No.    | 0.25          | 50               | 12.50            |
| 5                     | Carriage of Plants (100+10% Wastage=110 avg. distance upto 10 km.)                                   | 100 No   | 121           | 110              | 133.10           |
| 6                     | Spreading of plants pit to pit                                                                       | 100 No   | 7             | 50               | 3.50             |
| 7                     | Re-planting to plants                                                                                | 100 No   | 219           | 50               | 109.50           |
| 8                     | Spot Irrigation                                                                                      | 100 No.  | 182           | 50               | 91.00            |
| 9                     | Weeding & Hoeing (thrice)                                                                            | 100 No   | 219           | 3000             | 6570.00          |
| 10                    | Hand Watering (3 times)                                                                              | 100 No   | 182           | 3000             | 5460.00          |
| 11                    | Jungle Clearance ( 2 times)                                                                          | Per Ha.  | 1464          | 0.50             | 732.00           |
| 12                    | Stubbing of Kana                                                                                     | Per Ha.  | 6282          | 0.20             | 1256.40          |
| 13                    | Pruning to plants 30%                                                                                | 100 No.  | 184           | 300              | 552.00           |
| 14                    | Watch & Ward for every 10 Ha.                                                                        | Man year | 52520         | 1/10 Man yr.     | 5252.00          |
| 15                    | Repair of Barbed wire                                                                                | L/s      |               |                  | 4500.00          |
| 16                    | POL & Machinery                                                                                      | L/s      |               |                  | 10000.00         |
| 17                    | Material and supply                                                                                  | L/s      |               |                  | 7000.00          |
|                       |                                                                                                      |          |               | <b>Sub Total</b> | <b>42599.50</b>  |
| Maintenance VII Year  |                                                                                                      |          |               |                  |                  |
| 1                     | Jungle Clearance two times                                                                           | Per Ha.  | 1464          | 0.50             | 732.00           |
| 2                     | Kana Stubbing                                                                                        | Per Ha.  | 6282          | 0.20             | 1256.40          |
| 3                     | Watch and Watch every 10 ha.                                                                         |          | 57994         | 1/10 Man yr.     | 5799.00          |
|                       |                                                                                                      |          |               | <b>Sub Total</b> | <b>7787.40</b>   |
| Maintenance VIII Year |                                                                                                      |          |               |                  |                  |
| 1                     | Jungle Clearance two times                                                                           | Per Ha.  | 1464          | 0.50             | 732.00           |
| 2                     | Kana Stubbing                                                                                        | Per Ha.  | 6282          | 0.20             | 1256.40          |
| 3                     | Watch and Watch every 10 ha.                                                                         |          | 57994         | 1/10 Man yr.     | 5799.00          |
|                       |                                                                                                      |          |               | <b>Sub Total</b> | <b>7787.40</b>   |
| Maintenance IX Year   |                                                                                                      |          |               |                  |                  |
| 1                     | Watch and Watch every 10 ha.                                                                         |          | 57994         | 1/10 Man yr.     | 5799.00          |
|                       |                                                                                                      |          |               | <b>Sub Total</b> | <b>5799.00</b>   |
| Maintenance X Year    |                                                                                                      |          |               |                  |                  |
| 1                     | Watch and Watch every 10 ha.                                                                         |          | 57994         | 1/10 Man yr.     | 5799.00          |
|                       |                                                                                                      |          |               | <b>Sub Total</b> | <b>5799.00</b>   |
|                       |                                                                                                      |          |               | <b>TOTAL</b>     | <b>453005.50</b> |
|                       | <b>Over Head expenses 5%</b>                                                                         |          |               |                  | <b>22650.28</b>  |
|                       |                                                                                                      |          |               | <b>G.Total</b>   | <b>475655.78</b> |
|                       | <b>Summary of Costs</b>                                                                              |          |               |                  |                  |
| a)                    | <b>Cost of Plantation:</b>                                                                           |          |               |                  |                  |
|                       | (i) Cost of plantation in 1 Hect. Area (1000 Plants)+                                                |          |               | Rs               | 475655.78        |
|                       | (ii) Cost of plantation for 0.038 ha.                                                                |          |               | Rs               | 18074.92         |
|                       | supervision charges 10%                                                                              |          |               | Rs               | 1807.49          |
|                       |                                                                                                      |          | <b>Total</b>  | Rs               | <b>19882.41</b>  |
| b)                    | <b>Net present value</b> of 0.0149 ha as fixed by Govt. for open area diverted @ Rs 8.87 lac per ha. |          |               | Rs               | <b>13216.30</b>  |
|                       |                                                                                                      |          | <b>Total</b>  |                  | <b>33098.71</b>  |
|                       |                                                                                                      |          | <b>Or Say</b> |                  | <b>33099.00</b>  |

(Wilbert Samson)  
 Divisional Forest Officer,  
 Gurdaspur Forest Division,  
 Gurdaspur.