

**Full Title of the Project:** Diversion area of 0.0013 ha of forest land for approach access road to M/S Jain Bamboo and Wood Works (Saw Mill) Situated at Village Bhunga on Hoshiarpur Road to Dasuya Road, KM 22-23 LHS, Tehsil Bhunga and District Hoshiarpur, under Hoshiarpur Forest Division.

**File No. :** \_\_\_\_\_  
**Date of Proposal:** \_\_\_\_\_

**CHECK LIST SERIAL NUMBER: 6 (i) & (v)**  
**"SCHEME FOR COMPENSATORY AFFORESTATION for 100 Plants"**

Detailed scheme for Compensatory Afforestation for 100 Plants to be carried out in lieu of 0.0013 Ha., of forest area to be diverted for **Diversion area of 0.0013 ha of forest land for approach access road to M/S Jain Bamboo and Wood Works (Saw Mill) Situated at Village Bhunga on Hoshiarpur Road to Dasuya Road, KM 22-23 LHS, Tehsil Bhunga and District Hoshiarpur, under Hoshiarpur Forest Division.**

**1. Details of degraded forest land/non-forest land:-**

District **Hoshiarpur** Village **Chak Sadhu, PF**  
Tehsil : **Hoshiarpur**  
Name of Forest Division **Hoshiarpur** Range **Hoshiarpur**  
Block/Compartment/Survey No.: **H.B. No. 503**  
Area to be afforested = **0.100 Ha**

**2. Description of the Area**

- I) Whether the site selected for Compensatory Afforestation is a land bank or not : **Yes.**
- II) If the CA site is other than the land bank, reasons be given : **---**
- III) In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **---**
- IV) Soil type : **Medium.**
- V) Topography :  
(a) Hilly/Undulating/**Plain**  
(b) Slope: Steep/**Medium**/Gentle
- VI) Whether the area is bearing any root stock of vegetation:**NIL**

**3. Plantation Model:-**

Copy of the approved Compensatory Afforestation Scheme/Model showing component - wise physical and financial break up to be enclosed

  
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**Schedule of plantation of Programme:-****Detail of year wise breaking of requirement of funds is as under:-**

| Year                              | Area<br>(in Ha.) | Rate/Ha.         | Total Amount    |
|-----------------------------------|------------------|------------------|-----------------|
| Plantation with Current Year Mtc. | 0.100            | 218050.41        | 21805.04        |
| 1st Year Maintenance              | 0.100            | 85418.18         | 8541.82         |
| 2nd Year Maintenance              | 0.100            | 53652.74         | 5365.27         |
| III rd Year Maintenance           | 0.100            | 49913.82         | 4991.38         |
| IV th Year Maintenance            | 0.100            | 46267.62         | 4626.76         |
| V th Year Maintenance             | 0.100            | 6980.79          | 698.08          |
| VI th Year Maintenance            | 0.100            | 6980.79          | 5252.00         |
| VII th Year Maintenance           | 0.100            | 6980.79          | 698.08          |
| VIII th Year Maintenance          | 0.100            | 6980.79          | 698.08          |
| IX th Year Maintenance            | 0.100            | 6980.79          | 698.08          |
| X th Year Maintenance             | 0.100            | 6980.79          | 698.08          |
| <b>Total</b>                      | <b>0.100</b>     | <b>495187.53</b> | <b>49518.75</b> |
| <b>Over Head expenses 5%</b>      | 0.100            | 24759.38         | 2475.94         |
| <b>Wage Enhancement @ 10%</b>     | 0.100            | 49518.75         | 4951.88         |
| <b>G. Total</b>                   | <b>0.100</b>     | <b>569465.66</b> | <b>56946.57</b> |
| <b>Or Say</b>                     | <b>0.100</b>     | <b>569466</b>    | <b>56947</b>    |

**3. Technical details:-**

Technical Details of Compensatory Afforestation Scheme Are As Follows:-

- General Details:-
- Spacing:- **0.5m x 0.5m x 0.4m**
- Species:- **Khair, Shisham, Amla, Bamboo etc.**
- Plantation Method:- **Pits Method**
- Soil And Moisture Conservation Works:-
- Protection (Fencing, Watch Man, People's Participation Etc.)
- Proposed Monitoring Mechanism:- **as per guidelines issued by PCCF.**
- Any Other Information: **Nil**

**Date:****Place : Hoshiarpur**


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**Plantation Model For Standard Plantation under Compensatory Afforestation for Diversion area of 0.0013 ha of forest land for approach access road to M/S Jain Bamboo and Wood Works (Saw Mill) Situated at Village Bhunga on Hoshiarpur Road to Dasuya Road, KM 22-23 LHS, Tehsil Bhunga and District Hoshiarpur, under Hoshiarpur Forest Division**

- 1 Diverted Area = **0.0013 Ha.**
- 2 Site of Compensatory Aff. = **Chak Sadhu, PF H.B. No. 503**
- 3 100 Plants CA :- **0.100 Ha**
- 4 No. of Plants planted = **100**

Daily Wage Base Rate @ 328 Current Revised rate @ 383.56

**Plantation Model For Standard Plantation under Compensatory Afforestation**  
**Plants Per Hectare : 1000 Nos.**

| Sr. No.  | Name of Work                                                          | Unit     | Qty.          | Unit Cost (in Rs.) | Amount           |
|----------|-----------------------------------------------------------------------|----------|---------------|--------------------|------------------|
|          | <b>Nursery</b>                                                        |          |               |                    |                  |
|          | Nursery cost of raising plants                                        | 1100     | 1100          | 23.39              | 25726.59         |
| <b>A</b> | <b>Soil Work</b>                                                      |          |               |                    |                  |
| 1        | Site / Jungle Clearance (25%)                                         | Ha.      | 0.5           | 6276.37            | 3138.19          |
| 2        | Alignment & Dagbaling                                                 | Ha.      | 1             | 1150.68            | 1150.68          |
| 3        | Earth works in Digging of Pits 1000 x 0.5 m x 0.5 m x 0.4 m           | 1 M3     | 100           | 118.55             | 11855.28         |
| 5        | Kana Stubbing 25%                                                     | Ha.      | 0.25          | 31381.76           | 7845.44          |
| <b>B</b> | <b>Plantation Work</b>                                                |          |               |                    |                  |
| 1        | Refilling of Pits 1000x0.5mx0.5mx0.3                                  | 100 cum  | 75            | 3212.32            | 2409.24          |
| 2        | Loading & Unloading of Plants (1000+10% Wastage=1100)                 | 100 No.  | 1100          | 643.16             | 7074.81          |
| 3        | Carriage of Plants (1000+10% wastage =1100 avg. distance upto 10 km.) | 100 No.  | 1100          | 230.14             | 2531.50          |
| 4        | i) Carriage from site to site                                         | 100 No.  | 1000          | 153.42             | 1534.24          |
|          | ii) Planting of Plants (1000 No. including 10% replacement)           | 100 No.  | 1000          | 1150.68            | 11506.80         |
| 5        | Spot Irrigation (1000 Plants)                                         | 100 No.  | 1000          | 239.73             | 2397.25          |
| 6        | Application of Insecticide (2 Times)                                  | 100 No.  | 1000          | 47.95              | 479.45           |
| 7        | Application of Fertilizers (2 Times)                                  | 100 No.  | 1000          | 47.95              | 479.45           |
| 8        | Weeding & Hoeing 3 Times                                              | 100 No.  | 3000          | 418.08             | 12542.41         |
| 9        | Hand Watering (12 Times)                                              | 100 No.  | 12000         | 239.73             | 28767.00         |
| 10       | Replanting of Plants 10%                                              | 100 No.  | 100           | 677.21             | 677.21           |
| 11       | Rejungle Clearance (2 Times)                                          | Per Ha.  | 1             | 2780.81            | 2780.81          |
| 12       | Covering (25% plants) of plants                                       | 100 No.  | 250           | 345.20             | 863.01           |
| 13       | Uncovering of plants                                                  | 100 No.  | 250           | 38.36              | 95.89            |
| 14       | Restubbing of Kana (1 Time)                                           |          | 0.25          | 31382.11           | 7845.53          |
| 15       | Laying out & fixing of Barbed Wire                                    | L/s      |               |                    | 9205.44          |
| 16       | Watch & Ward for every 10 Ha. ( 7 Months)                             | Man Year | 1 Man 7 Month | 9972.56            | 6980.79          |
| 17       | Material                                                              |          |               |                    |                  |
|          | i) Insecticides / Fertilizers                                         | L/s      |               |                    | 5846.95          |
|          | ii) POL                                                               | L/s      |               |                    | 5846.95          |
|          | iii) Barbed Wire                                                      | L/s      |               |                    | 58469.51         |
|          | <b>Sub Total</b>                                                      |          |               |                    | <b>218050.41</b> |
|          | <b>Maintenance 1 Year</b>                                             |          |               |                    |                  |
| 1        | Cost of raising plants for 30% replacement                            | 1 No.    | 300           | 23.39              | 7016.34          |
| 2        | Reopening of Pits 300 x 0.50 x 0.50 x 0.30                            | 1 m3     | 21.6          | 69.73              | 1568.94          |
| 3        | Refilling of pits with earth in other soils 300 x 0.50 x 0.50 x 0.30  | 1 m3     | 21.6          | 32.12              | 722.77           |
| 4        | Loading & Unloading of Plants                                         | 1 No.    | 300           | 2.88               | 863.01           |
| 5        | Carriage of Plants (300+10% Wastage = 330 avg. distance upto 10 Km.)  | 100 No.  | 1             | 229.43             | 229.43           |
| 6        | Spreading of plants pit to pit                                        | 100 No.  | 165           | 153.42             | 253.15           |
| 7        | Re-Planting to plants                                                 | 100 No.  | 165           | 384.82             | 634.96           |
| 8        | Spot Irrigation                                                       | 100 No.  | 165           | 239.73             | 395.55           |

D:\CA (Sawmill)\Forest Clearance\nc\30\CA Cases\Hard Copies\0.0013 Jain Bamboo & Wood Works (Bhunga)\100 Plants CA Scheme for Diversion 0.0013 ha Case 23-11-2022

  
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| Sr. No. | Name of Work                                                         | Unit     | Qty.         | Unit Cost (in Rs.) | Amount          |
|---------|----------------------------------------------------------------------|----------|--------------|--------------------|-----------------|
| 9       | Weeding & Hoeing (Three)                                             | 100 No.  | 3000         | 418.08             | 12542.41        |
| 10      | Application of Insecticide (2 Times)                                 | 100 No.  | 1000         | 47.95              | 479.45          |
| 11      | Application of Fertilizers (2 Times)                                 | 100 No.  | 1000         | 47.95              | 479.45          |
| 12      | Hand Watering (6 Times)                                              | 100 No.  | 6000         | 418.08             | 25084.82        |
| 13      | Rejungle Clearance (2 Times)                                         | Per Ha.  | 1            | 2780.81            | 2780.81         |
| 14      | Restubbing of Kana                                                   | Per Ha.  | 0.25         | 31381.76           | 7845.44         |
| 15      | Watch & Ward for every 10 Ha. (10 Months)                            | Man Year | 1/10 Man Yr. | 9972.56            | 6980.79         |
| 16      | Repair of Barbed Wire                                                | L/s      |              |                    | 5846.95         |
| 17      | POL & Machinery                                                      | L/s      |              |                    | 5846.95         |
| 18      | Material and Supply                                                  | L/s      |              |                    | 5846.95         |
|         | <b>Sub Total</b>                                                     |          |              |                    | <b>85418.18</b> |
|         | <b>2nd Year Maintenance</b>                                          |          |              |                    |                 |
| 1       | Cost of raising plants for 15% replacement                           | 1 No.    | 150          | 23.39              | 3508.17         |
| 2       | Reopening of Pits 150 x 0.60 x 0.60 x 0.40                           | 1 m3     | 21.6         | 69.73              | 753.09          |
| 3       | Refilling of pits with earth in other soils 150x 0.60 x 0.60 x 0.40  | 1 m3     | 21.6         | 32.12              | 346.93          |
| 4       | Loading & Unloading of Plants                                        | 1 No.    | 75           | 2.88               | 215.75          |
| 5       | Carriage of Plants Wastage = 75 avg. distance upto 10 Km.)           | 500 No.  | 1            | 229.43             | 229.43          |
| 6       | Spreading of plants pit to pit                                       | 100 No.  | 75           | 153.42             | 115.07          |
| 7       | Re-Planting to plants                                                | 100 No.  | 75           | 267.90             | 200.92          |
| 8       | Spot Irrigation                                                      | 100 No.  | 75           | 239.73             | 179.79          |
| 9       | Weeding & Hoeing (Twice)                                             | 100 No.  | 2000         | 418.08             | 8361.61         |
| 10      | Hand Watering (5 Times)                                              | 100 No.  | 5000         | 239.73             | 11986.25        |
| 11      | Rejungle Clearance (2 Times)                                         | Per Ha.  | 1            | 2780.81            | 2780.81         |
| 12      | Pruning to Plants                                                    | 100 No.  | 100          | 453.27             | 453.27          |
| 13      | Watch & Ward for every 10 Ha.                                        | Man Year | 1/10 Man Yr. | 9972.56            | 6980.79         |
| 14      | Repair of Barbed Wire                                                | L/s      |              |                    | 5846.95         |
| 15      | POL & Machinery                                                      | L/s      |              |                    | 5846.95         |
| 18      | Material and Supply                                                  | L/s      |              |                    | 5846.95         |
|         | <b>Sub Total</b>                                                     |          |              |                    | <b>53652.74</b> |
|         | <b>3rd Year Maintenance</b>                                          |          |              |                    |                 |
| 1       | Cost of raising plants for 10% replacement                           | 1 No.    | 100          | 23.39              | 2338.78         |
| 2       | Reopening of Pits 100 x 0.50 x 0.50 x 0.40                           | 1 m3     | 10           | 6973.07            | 502.06          |
| 3       | Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30 | 1 m3     | 7.5          | 32.12              | 231.29          |
| 4       | Loading & Unloading of Plants                                        | 1 No.    | 100          | 2.88               | 287.67          |
| 5       | Carriage of Plants 50 avg. distance upto 10 Km.)                     | 100 No.  | 100          | 1.17               | 116.94          |
| 6       | Spreading of plants pit to pit                                       | 100 No.  | 100          | 153.42             | 153.42          |
| 7       | Re-Planting to plants                                                | 100 No.  | 100          | 267.90             | 267.90          |
| 8       | Spot Irrigation                                                      | 100 No.  | 100          | 239.73             | 239.73          |
| 9       | Weeding & Hoeing (thrice)                                            | 100 No.  | 2000         | 418.08             | 8361.61         |
| 10      | Hand Watering (8 Times)                                              | 100 No.  | 5000         | 239.73             | 11986.25        |
| 11      | Pruning to Plants 20%                                                | 100 No.  | 200          | 453.27             | 906.53          |
| 12      | Watch & Ward for every 10 Ha.                                        | Man Year | 1/10 Man Yr. | 9972.56            | 6980.79         |
| 13      | Repair of Barbed Wire                                                | L/s      |              |                    | 5846.95         |
| 14      | POL & Machinery                                                      | L/s      |              |                    | 5846.95         |
| 15      | Material and Supply                                                  | L/s      |              |                    | 5846.95         |
|         | <b>Sub Total</b>                                                     |          |              |                    | <b>49913.82</b> |
|         | <b>4th Year Maintenance</b>                                          |          |              |                    |                 |
| 1       | Cost of raising plants for 5% replacement                            | 1 No.    | 50           | 23.39              | 1169.39         |
| 2       | Reopening of Pits 50 x 0.50 x 0.50 x 0.40                            | 1 m3     | 5            | 6973.07            | 502.06          |
| 3       | Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30 | 1 m3     | 3.75         | 32.12              | 231.29          |
| 4       | Loading & Unloading of Plants                                        | 1 No.    | 50           | 2.88               | 143.84          |
| 5       | Carriage of Plants 50 avg. distance upto 10 Km.)                     | 100 No.  | 50           | 1.17               | 58.47           |

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| Sr. No. | Name of Work                                                                         | Unit     | Qty.         | Unit Cost (in Rs.) | Amount           |
|---------|--------------------------------------------------------------------------------------|----------|--------------|--------------------|------------------|
| 6       | Spreading of plants pit to pit                                                       | 100 No.  | 50           | 153.42             | 76.71            |
| 7       | Re-Planting to plants                                                                | 100 No.  | 50           | 267.90             | 133.95           |
| 8       | Spot Irrigation                                                                      | 100 No.  | 50           | 239.73             | 119.86           |
| 9       | Weeding & Hoeing (thrice)                                                            | 100 No.  | 2000         | 418.08             | 8361.61          |
| 10      | Hand Watering (8 Times)                                                              | 100 No.  | 4000         | 239.73             | 9589.00          |
| 11      | Pruning to Plants 30%                                                                | 100 No.  | 300          | 453.27             | 1359.80          |
| 12      | Watch & Ward for every 10 Ha.                                                        | Man Year | 1/10 Man Yr. | 9972.56            | 6980.79          |
| 13      | Repair of Barbed Wire                                                                | L/s      |              |                    | 5846.95          |
| 14      | POL & Machinery                                                                      | L/s      |              |                    | 5846.95          |
| 15      | Material and Supply                                                                  | L/s      |              |                    | 5846.95          |
|         | <b>Sub Total</b>                                                                     |          |              |                    | <b>46267.62</b>  |
|         | <b>5th Year Maintenance</b>                                                          |          |              |                    |                  |
| 1       | Watch & Ward for every 10 Ha. (10 Motnts)                                            | Man Year | 1/10 Man Yr. | 9972.56            | 6980.79          |
|         | <b>Sub Total</b>                                                                     |          |              |                    | <b>6980.79</b>   |
|         | <b>6th Year Maintenance</b>                                                          |          |              |                    |                  |
| 1       | Watch & Ward for every 10 Ha. (10 Motnts)                                            | Man Year | 1/10 Man Yr. | 9972.56            | 6980.79          |
|         | <b>Sub Total</b>                                                                     |          |              |                    | <b>6980.79</b>   |
|         | <b>7th Year Maintenance</b>                                                          |          |              |                    |                  |
| 1       | Watch & Ward for every 10 Ha. (10 Motnts)                                            | Man Year | 1/10 Man Yr. | 9972.56            | 6980.79          |
|         | <b>Sub Total</b>                                                                     |          |              |                    | <b>6980.79</b>   |
|         | <b>8th Year Maintenance</b>                                                          |          |              |                    |                  |
| 1       | Watch & Ward for every 10 Ha. (10 Motnts)                                            | Man Year | 1/10 Man Yr. | 9972.56            | 6980.79          |
|         | <b>Sub Total</b>                                                                     |          |              |                    | <b>6980.79</b>   |
|         | <b>9th Year Maintenance</b>                                                          |          |              |                    |                  |
| 1       | Watch & Ward for every 10 Ha. (10 Motnts)                                            | Man Year | 1/10 Man Yr. | 9972.56            | 6980.79          |
|         | <b>Sub Total</b>                                                                     |          |              |                    | <b>6980.79</b>   |
|         | <b>10th Year Maintenance</b>                                                         |          |              |                    |                  |
| 1       | Watch & Ward for every 10 Ha. (10 Motnts)                                            | Man Year | 1/10 Man Yr. | 9972.56            | 6980.79          |
|         | <b>Sub Total</b>                                                                     |          |              |                    | <b>6980.79</b>   |
|         | <b>Total</b>                                                                         |          |              |                    | <b>495187.53</b> |
|         | <b>Over Head expenses 5%</b>                                                         |          |              |                    | <b>24759.38</b>  |
|         | <b>Wage Enhancement @ 10%</b>                                                        |          |              |                    | <b>49518.75</b>  |
|         | <b>G. Total</b>                                                                      |          |              |                    | <b>569465.66</b> |
|         | <b>Comp. Aff. Scheme for 1.00 Ha.</b>                                                |          |              |                    | <b>569465.66</b> |
|         | <b>Or Say</b>                                                                        |          |              |                    | <b>569466</b>    |
|         | Cost of Compensatory Afforestation per Ha. For 7-10 Year for 100 Plants in 0.100 ha. | Ha.      | 0.100        | 569466             | 56947            |
|         | <b>TOTAL</b>                                                                         |          |              |                    | <b>56947</b>     |

  
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