

**Full Title of the Proposal**

Division of 0.014 hac. of forest land for construction of approach road to M/s STJ Infra for commercial Purpose/Colony at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road NH 7 Km 341.565 LHS (old NH 64 KM 2.435 RHS), under Forest Division & Distt. S.A.S. Nagar, Punjab.

**Acknowledgement****Key at Division level**

Proposal No. FP/PB/Approach/127487/2021/S.A.S.Nagar Forest Division/Pvt. (Division FCA register) 1.7.7... Date 22/4/2021

**CHECK LIST SERIAL NUMBER: 18****“SCHEME FOR COMPENSATORY AFFORESTATION”**

Detail scheme for Compensatory Afforestation to be carried out in lieu of 0.014 hectare of Forest area to be diverted for construction of approach road to M/s STJ Infra for commercial Purpose/Colony at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road NH 7 Km 341.565 LHS (old NH 64 KM 2.435 RHS), under Forest Division & Distt. S.A.S. Nagar, Punjab.

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

Distt. = S.A.S Nagar, Village Hansala,

Tehsil- Derabassi, Name of Forest Division = S.A.S Nagar,

Range – Derabassi, Block/Compartment/Survey No. Bir Hansala,

Area to be afforestation = **0.100 Ha.**

**2. Description of the Area**

- i. Whether the site selected for Compensatory Afforestation is a land bank or not **Siswan Diversion** selected for Comp. Aff.
- 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 ...**N.A. Km approximately.**
- iv. Soil type: **Heavy**
- v. Topography:
  - a. Hilly/**Undulating**/Plain
  - b. Slope: Steep / **Medium** / Gentle
- vi. Whether the area is bearing any root stock of Vegetation: **Yes.**

**3. Plantation Model:**

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

  
 Divisional Forest Officer  
 S.A.S. Nagar

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**4. Schedule of Plantation Programme:-**

Details of year-wise break-up of requirements of funds are as under:-

| Year                                                                                    | Area      | Total Amount     |
|-----------------------------------------------------------------------------------------|-----------|------------------|
| 0 <sup>th</sup> Year Mtc.                                                               | 0.100 ha. | 18646.00         |
| 1 <sup>st</sup> Year Mtc.                                                               | 0.100 ha. | 7305.00          |
| 2 <sup>nd</sup> Year Mtc.                                                               | 0.100 ha. | 4588.00          |
| 3 <sup>rd</sup> Year Mtc.                                                               | 0.100 ha. | 4268.00          |
| 4 <sup>th</sup> Year Mtc.                                                               | 0.100 ha. | 3957.00          |
| 5 <sup>th</sup> Year Mtc.                                                               | 0.100 ha. | 597.00           |
| 6 <sup>th</sup> Year Mtc.                                                               | 0.100 ha. | 597.00           |
| 7 <sup>th</sup> Year Mtc.                                                               | 0.100 ha. | 597.00           |
| 8 <sup>th</sup> Year Mtc.                                                               | 0.100 ha. | 597.00           |
| 9 <sup>th</sup> Year Mtc.                                                               | 0.100 ha. | 597.00           |
| 10 <sup>th</sup> Year Mtc.                                                              | 0.100 ha. | 597.00           |
| Over head expenses (5% of plantation cost) & (10% of plantation cost) Wage Enhancement. | 0.100 ha. | 6352.00          |
| <b>Total</b>                                                                            |           | <b>48,698.00</b> |

**5. Technical Details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- (a) General Details : Detail as under :-
- (b) Spacement: **3 Mtr x 3 Mtr.**
- (c) Species: **Shisham, Kikar, Dek.Euc.,Arjan, & Other species.**
- (d) Plantation Method : **Degraded Planting**
- (e) Soil and Moisture Conservation Works: **N.A.**
- (f) Protection (Fencing, Watch man, People's Participation etc.): **Fencing & Watch & Ward.**
- (g) Proposed Monitoring Mechanisms: **N.A.**
- (h) Any other information: **Nil**

Place: S.A.S Nagar

Date.. 27/4/2021

(Guramandeep Singh, P.F.S.)  
Divisional Forest Officer,  
Forest Division S.A.S.Nagar,  
S.A.S Nagar.

|                                                                                                                                                                                                                                                                                                                             |                                                                       |          |                  |                         |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------|------------------|-------------------------|-----------|
| Compensatory Afforestation Scheme for diversion of 0.014 hac. of forest land for construction of approach road to M/s STJ Infra for commercial Purpose/Colony at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road NH 7 Km 341.565 LHS (old NH 64 KM 2.435 RHS), under Forest Division & Distt. S.A.S. Nagar, Punjab. |                                                                       |          |                  |                         |           |
| 1) Diverted Forest Area = 0.014 Ha.                                                                                                                                                                                                                                                                                         |                                                                       |          |                  |                         |           |
| 2) Comp. Aff. Scheme area = 0.100 Ha.                                                                                                                                                                                                                                                                                       |                                                                       |          |                  |                         |           |
| 3) Name of Site of Plantation = Bir Hansala                                                                                                                                                                                                                                                                                 |                                                                       |          |                  | Daily Wage Rate : 328/- |           |
| 4) No. of plants Planted = 100 Plants                                                                                                                                                                                                                                                                                       |                                                                       |          |                  | Plants : 1000 No.       |           |
| Plantation Model For Standard Plantation under Compensatory Afforestation                                                                                                                                                                                                                                                   |                                                                       |          |                  |                         |           |
| Sr. No.                                                                                                                                                                                                                                                                                                                     | Name of Work                                                          | Unit     | Qty.             | Unit Cost (in Rs.)      | Amount    |
|                                                                                                                                                                                                                                                                                                                             | Nursery                                                               |          |                  |                         |           |
|                                                                                                                                                                                                                                                                                                                             | Nursery cost of raising plants                                        | 1100     | 1100             | 20.00                   | 22000.00  |
| A                                                                                                                                                                                                                                                                                                                           | Soil Work                                                             |          |                  |                         |           |
| 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                                                                                                                                                                                                                                                                                                                           | Plantation Work                                                       |          |                  |                         |           |
| 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<br>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  |
|                                                                                                                                                                                                                                                                                                                             | Sub Total                                                             |          |                  |                         | 186465.05 |

Divisional Forest Officer  
S.A.S. Nagar

| <b>Maintenance 1 Year</b>   |                                                                      |          |              |          |                 |
|-----------------------------|----------------------------------------------------------------------|----------|--------------|----------|-----------------|
| 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         |
| 16                          | Material and Supply                                                  | L/s      |              |          | 5000.00         |
|                             | <b>Sub Total</b>                                                     |          |              |          | <b>45880.96</b> |

c/s

Divisional Forest Officer  
S.A.S. Nagappa

| <b>3rd Year Maintenance</b> |                                                                      |          |              |                 |
|-----------------------------|----------------------------------------------------------------------|----------|--------------|-----------------|
| 1                           | Cost of raising plants for 10% replacement                           | 1 No.    | 100          | 20.00           |
| 2                           | Reopening of Pits 100 x 0.50 x 0.50 x 0.40                           | 1 m3     | 10           | 5963.00         |
| 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           |
| 4                           | Loading & Unloading of Plants                                        | 1 No.    | 100          | 2.46            |
| 5                           | Carriage of Plants 50 avg. distance upto 10 Km.)                     | 100 No.  | 100          | 1.00            |
| 6                           | Spreading of plants pit to pit                                       | 100 No.  | 100          | 131.20          |
| 7                           | Re-Planting to plants                                                | 100 No.  | 100          | 229.09          |
| 8                           | Spot Irrigation                                                      | 100 No.  | 100          | 205.00          |
| 9                           | Weeding & Hoeing (thrice)                                            | 100 No.  | 2000         | 357.52          |
| 10                          | Hand Watering (8 Times)                                              | 100 No.  | 5000         | 205.00          |
| 11                          | Pruning to Plants 20%                                                | 100 No.  | 200          | 387.61          |
| 12                          | Watch & Ward for every 10 Ha.                                        | Man Year | 1/10 Man Yr. | 8528.00         |
| 13                          | Repair of Barbed Wire                                                | L/s      |              |                 |
| 14                          | POL & Machinery                                                      | L/s      |              |                 |
| 15                          | Material and Supply                                                  | L/s      |              |                 |
|                             | <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           |
| 2                           | Reopening of Pits 50 x 0.50 x 0.50 x 0.40                            | 1 m3     | 5            | 5963.00         |
| 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           |
| 4                           | Loading & Unloading of Plants                                        | 1 No.    | 50           | 2.46            |
| 5                           | Carriage of Plants 50 avg. distance upto 10 Km.)                     | 100 No.  | 50           | 1.00            |
| 6                           | Spreading of plants pit to pit                                       | 100 No.  | 50           | 131.20          |
| 7                           | Re-Planting to plants                                                | 100 No.  | 50           | 229.09          |
| 8                           | Spot Irrigation                                                      | 100 No.  | 50           | 205.00          |
| 9                           | Weeding & Hoeing (thrice)                                            | 100 No.  | 2000         | 357.52          |
| 10                          | Hand Watering (8 Times)                                              | 100 No.  | 4000         | 205.00          |
| 11                          | Pruning to Plants 30%                                                | 100 No.  | 300          | 387.61          |
| 12                          | Watch & Ward for every 10 Ha.                                        | Man Year | 1/10 Man Yr. | 8528.00         |
| 13                          | Repair of Barbed Wire                                                | L/s      |              |                 |
| 14                          | POL & Machinery                                                      | L/s      |              |                 |
| 15                          | Material and Supply                                                  | L/s      |              |                 |
|                             | <b>Sub Total</b>                                                     |          |              | <b>39565.59</b> |
| <b>5th Year Maintenance</b> |                                                                      |          |              |                 |
| 1                           | Watch & Ward for every 10 Ha. (10 Motms)                             | Man Year | 1/10 Man Yr. | 8528.00         |
|                             | <b>Sub Total</b>                                                     |          |              | <b>5969.60</b>  |
| <b>6th Year Maintenance</b> |                                                                      |          |              |                 |
| 1                           | Watch & Ward for every 10 Ha. (10 Motms)                             | Man Year | 1/10 Man Yr. | 8528.00         |
|                             | <b>Sub Total</b>                                                     |          |              | <b>5969.60</b>  |
| <b>7th Year Maintenance</b> |                                                                      |          |              |                 |
| 1                           | Watch & Ward for every 10 Ha. (10 Motms)                             | Man Year | 1/10 Man Yr. | 8528.00         |
|                             | <b>Sub Total</b>                                                     |          |              | <b>5969.60</b>  |

  
 Divisional Forest Officer  
 S.A.S. Nagar