

6-2

Full Title of the project: Diversion of 0.00998 Ha. of forest land for passage for path for M/s Guru Amar Industry Ltd. situated at Village Pheruwala lies in Khasra No. 8//25, 24, 23, 17/2, 16/2, 7//21/1, 11//41, 4/2, 5/1, 2, 3/1, 3/2, H.B. No. 305, Tehsil Chhachhrauli, under forest Division and Distt. Yamuna Nagar. Haryana.

Online Proposal No. FP/HR/Approach/154967/2022
Date of Proposal :

CHECK LIST SERIAL NUMBER:-18
"SCHEME FOR C.A."

Name of the Forest/Reach to be diverted
Forest Area =0.00998 hec.

Details of degraded forest land/non-forest land where C.A. is to be carried out.

Division: **Yamunanagar** District : Yamunanagar

Tehsil: **Bilaspur**

C.A. Site name **Sanour Section 4&5**

Area to be Afforested :- 0.100 hac.

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No): **No**
- b) If the CA site is other than the land bank, reasons be given:-
In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :-
 - i) Soil type: **Sandy to Sandy Loam**
 - ii) Topography a. Hilly/Undulating/Plain: **Plain**
 - b. Slope:-Steep/Medium/Gentle: **Gentle**
 - iii) Whether the area is bearing any root stock of vegetation:- **No**

Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under ;

1. Schedule of Plantation Programme:-

Detail of year wise break-up of requirements of funds is as under:-

The plantation cost is calculated for Tall Plants norms at 4m x 2.5m spacing at the wage rate of Rs. 393.97 per day as under:-

| Cost Statement Of Plantation (Tall Plants) model under Compensatory Afforestation | | | | | |
|---|-------------------|------|------|-----------|---------|
| No. of Plants per ha.=500 TP , spacing=4m plant to plant | | | | | |
| Sr. No. | Item of Work | Unit | Qty. | Rate/Unit | Amount |
| 1st year expenditure as wage rate Rs. 393.97 per day | | | | | |
| 1 | Jungle clearance. | Ha | 0.5 | 5907.11 | 2953.55 |

| | | | | | |
|----|--|-----|------|---------|------------------|
| 2 | Kana/ lantana Cutting. | Ha | 0.25 | 9849.25 | 2462.31 |
| 3 | Dag bailing and alignment. | RKM | 2 | 275.67 | 551.34 |
| 4 | Digging of pits 500x0.6mx0.6mx0.6m. | m3 | 108 | 167.37 | 18075.99 |
| 5 | Purchase of good Soil for filling in pits 500x0.6mx0.6mx0.4m. | m3 | 72 | 454.04 | 32690.84 |
| 6 | Raising of plants in nursery P.Bag Size (30cmx45cm) : 500+20% extra. | No. | 600 | 110.10 | 66062.73 |
| 7 | Loading/ Unloading of plants in tractor/cart | No. | 600 | 2.96 | 1777.56 |
| 8 | Carriage of plants. | No. | 600 | 24.73 | 14840.28 |
| 9 | Planting of seedling including 10% replacement. | No. | 550 | 15.77 | 8671.59 |
| 10 | Fencing of Plants with six stick including cutting carriage of fencing material. | No. | 500 | 59.09 | 29546.61 |
| 11 | Cost of fertilizer, manures, insecticides etc including application. | No. | 500 | 22.70 | 11350.99 |
| 12 | Irrigation eight times. | No. | 4000 | 5.91 | 23655.45 |
| 13 | Purchase of water | No. | 4000 | 1.44 | 5766.3 |
| 14 | First weeding & hoeing. | No. | 500 | 7.87 | 3933.12 |
| 15 | Subsequent weeding & hoeing six times | No. | 3000 | 5.91 | 17741.59 |
| 16 | Grass cutting from one meter wide strip 5 Times in 500 meter length in per Ha. | m2 | 2500 | 3.94 | 9849.25 |
| | Total | | | | 249929.50 |
| 17 | Added EPF @ 13% and ESI @ 3.25% of wages component | | | | 30108.18 |
| 18 | Added contractor profit @ 10% of total | | | | 24992.95 |
| | Net Total | | | | 305030.63 |

2nd year maintainance with 20% Replacement @ Wage rate Rs.433.37 per day anticipating 10% increase.

| | | | | | |
|----|--|-----|------|--------|----------|
| 1 | Raising of plants in nursery (30cmx45cm) : 100+20% extra | No. | 120 | 113.45 | 13613.72 |
| 2 | Re-opening of pits 100x0.6mx0.6mx0.5m | m3 | 18 | 87.32 | 1571.77 |
| 3 | Loading and unloading of plants | No. | 100 | 3.28 | 327.86 |
| 4 | Carriage of plants | No. | 100 | 27.42 | 2742.03 |
| 5 | Planting of plants | No. | 100 | 17.47 | 1747.09 |
| 6 | Irrigation five times | No. | 2500 | 6.56 | 16393.18 |
| 7 | Purchase of water | No. | 2500 | 1.59 | 3970.67 |
| 8 | Sub. Weeding and hoeing five times | No. | 2500 | 6.56 | 16393.18 |
| 9 | Grass cutting from one meter wide strip 4 Times in 500 meter length in per Ha. | m2 | 2000 | 4.33 | 8667.40 |
| 10 | Repair of Fencing | No. | 400 | 8.74 | 3494.19 |

| | | | | | |
|----|--|-----|-----|-------|----------|
| 11 | Cost of fertilizer, manures, insecticides etc including application. | No. | 500 | 11.34 | 5672.38 |
| | Total | | | | 74593.48 |
| 12 | Added EPF @ 13% and ESI @ 3.25% of wages component | | | | 10055.59 |
| 13 | Added contractor profit @ 10% of total | | | | 7459.35 |
| | Net Total | | | | 92108.42 |

3rd year maintainance 10% Replacement @ wage rate Rs. 476.71 per day

| | | | | | |
|----|--|-----|------|--------|----------|
| 1 | Raising of plants in nursery (30cmx45cm) : 50+20% extra | | 60 | 124.85 | 7491.16 |
| 2 | Re-opening of pits 50x0.6mx0.6mx0.5m | | 9 | 77.07 | 693.61 |
| 3 | Loading and unloading of plants | | 50 | 2.89 | 144.72 |
| 4 | Carriage of plants | | 50 | 24.20 | 1209.94 |
| 5 | Planting of plants | | 50 | 15.42 | 771.25 |
| 6 | Repair of Fencing | No. | 200 | 71.55 | 14310.38 |
| 7 | Irrigation four times | No. | 2000 | 5.79 | 11577.24 |
| 8 | Purchase of water | No. | 2000 | 1.75 | 3495.87 |
| 9 | Weeding and hoeing four time | No. | 2000 | 5.79 | 11577.24 |
| 10 | Pruning of 1/3 Lower portion of Plants | No. | 400 | 7.23 | 2892.04 |
| 11 | Grass cutting from one meter wide strip 2 Times in 500 meter length in per Ha. | m2 | 1000 | 4.77 | 4767.10 |
| 12 | Cost of fertilizer, manures, insecticides etc including application. | No. | 500 | 11.35 | 5675.12 |
| | Total | | | | 64605.67 |
| 13 | Added EPF @ 13% and ESI @ 3.25% of wages component | | | | 8788.00 |
| 14 | Added contractor profit @ 10% of total | | | | 6460.57 |
| | Net Total | | | | 79854.24 |

4th year maintainance 10% Replacement @ wage rate Rs.524.35 per day

| | | | | | |
|----|--|-----|------|--------|---------|
| 1 | Raising of plants in nursery | | 60 | 124.85 | 7490.71 |
| 2 | Re-opening of pits 50x0.6mx0.6mx0.5m | | 5.5 | 111.63 | 613.99 |
| 3 | Loading and unloading of plants | | 50 | 4.19 | 209.40 |
| 4 | Carriage of plants | | 50 | 35.05 | 1752.37 |
| 5 | Planting of plants | | 50 | 22.35 | 1117.36 |
| 6 | Repair of Fencing | No. | 100 | 78.70 | 7869.79 |
| 7 | Irrigation two times | No. | 1000 | 8.39 | 8387.33 |
| 8 | Purchase of water | No. | 1000 | 1.93 | 1929.43 |
| 9 | Weeding and hoeing two time | No. | 1000 | 8.39 | 8387.33 |
| 10 | Pruning of 1/3 Lower portion of Plants | No. | 400 | 8.36 | 3345.85 |
| 11 | Grass cutting from one meter wide strip 2 Times in 500 meter length in per Ha. | m2 | 1000 | 5.24 | 5243.50 |

| | | | | | |
|--|--|-----|------|-------|-----------------|
| 12 | Cost of fertilizer, manures, insecticides etc including application. | No. | 500 | 11.35 | 5674.78 |
| | Total | | | | 52021.85 |
| 14 | Added EPF @ 13% and ESI @ 3.25% of wages component | | | | 6899.08 |
| 15 | Added contractor profit @ 10% of total | | | | 5202.19 |
| | Net Total | | | | 64123.12 |
| 5th year maintainance at wage rate Rs.576.82 per day | | | | | |
| 1 | Irrigation Two times | No. | 1000 | 9.21 | 9208.68 |
| 2 | Purchase of water | No. | 1000 | 2.12 | 2123.33 |
| 3 | Pruning of 1/3 Lower portion of Plants | No. | 400 | 9.20 | 3678.93 |
| 4 | Grass cutting from one meter wide strip 1 Times in 500 meter length in per Ha. | m2 | 500 | 5.77 | 2884.10 |
| | Total | | | | 17895.04 |
| 5 | Added EPF @ 13% and ESI @ 3.25% of wages component | | | | 1066.49 |
| 6 | Added contractor profit @ 10% of total | | | | 1789.5 |
| | Net Total | | | | 20751.03 |
| 6th year maintainance at wage rate Rs.634.50 per day | | | | | |
| 1 | Misc. Expenditure on Cleaning, Pruning and thinning | L/S | | | 7800 |
| | Total | | | | 7800 |
| 2 | Added EPF @ 13% and ESI @ 3.25% of wages component | | | | 1267.50 |
| 3 | Added contractor profit @ 10% of total | | | | 780.00 |
| | Net Total | | | | 9847.50 |
| 7th year maintainance at wage rate Rs. 697.25 per day | | | | | |
| 1 | Misc. Expenditure on Cleaning, Pruning and thinning | L/S | | | 7800 |
| | Total | | | | 7800 |
| 2 | Added EPF @ 13% and ESI @ 3.25% of wages component | | | | 1267.50 |
| 3 | Added contractor profit @ 10% of total | | | | 780.00 |
| | Net Total | | | | 9847.50 |
| 8th year maintainance at wage rate Rs. 766.98 per day | | | | | |
| 1 | Misc. Expenditure on Cleaning, Pruning and thinning | L/S | | | 7800 |
| | Total | | | | 7800 |
| 2 | Added EPF @ 13% and ESI @ 3.25% of wages component | | | | 1267.5 |
| 3 | Added contractor profit @ 10% of total | | | | 780 |
| | Net Total | | | | 9847.5 |
| 9th year maintainance at wage rate Rs.843.68 per day | | | | | |
| 1 | Misc. Expenditure on Cleaning, Pruning and thinning | L/S | | | 7800 |
| | Total | | | | 7800 |

| | | | | | |
|---|--|--|--|--|----------------|
| 2 | Added EPF @ 13% and ESI @ 3.25% of wages component | | | | 1267.50 |
| 3 | Added contractor profit @ 10% of total | | | | 780.00 |
| | Net Total | | | | 9847.50 |

10th year maintainance at wage rate Rs. 928.05 per day

| | | | | | |
|---|---|-----|--|--|----------------|
| 1 | Misc. Expenditure on Cleaning, Pruning and thinning | L/S | | | 7800 |
| | Total | | | | 7800 |
| 2 | Added EPF @ 13% and ESI @ 3.25% of wages component | | | | 1267.50 |
| 3 | Added contractor profit @ 10% of total | | | | 780.00 |
| | Net Total | | | | 9847.50 |

Abstract of cost norms

| | Year of Plantation | Cost(Rs.) | Cost per plant(Rs.) |
|----|------------------------|------------------|---------------------|
| 1 | 1st year plantation | 305030.63 | 610.06 |
| 2 | 2nd year maintainance | 92108.42 | 184.22 |
| 3 | 3rd year maintainance | 79854.24 | 159.71 |
| 4 | 4th year maintainance | 64123.12 | 128.25 |
| 5 | 5th year maintainance | 20751.03 | 41.50 |
| 6 | 6th year maintainance | 9847.50 | 19.70 |
| 7 | 7th year maintainance | 9847.50 | 19.70 |
| 8 | 8th year maintainance | 9847.50 | 19.70 |
| 9 | 9th year maintainance | 9847.50 | 19.70 |
| 10 | 10th year maintainance | 9847.50 | 19.70 |
| | Total | 611104.94 | 1222.21 |

Area to be Diverted : 0.00998 ha.

No. of Trees to be felled : 0

No. of Plants to be damaged : 0

Area to be planted under normal CA : 0.100 ha. (Double the area to be diverted)

Plants to be Planted under normal CA : 100 Nos.

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)= 0

Area to planted under Addl. CA : 0.100 (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 100+0=100

Total Area to be planted (CA+Addl. CA) : 0.100+0 = 0.100 ha. Or say 100 Plants

(Succeeding years maintenance has been computed taking into account the anticipated increase in wage rates @ 10% per year.)

| S.No | DESCRIPTION | | RATE | T.Amt. (Rs.) |
|------|--|--------------|-----------------------|--------------|
| A | Compensatory Afforestation Charges | No. of Plant | | |
| | (1) 1 st Year cost of afforestation | 100 | 610.06 | 61006.00 |
| | (2) 2 nd Year maintenance | 100 | 184.22 | 18422.00 |
| | (3) 3 rd Year maintenance | 100 | 159.71 | 15971.00 |
| | (4) 4 th Year maintenance | 100 | 128.25 | 12825.00 |
| | (5) 5 th Year maintenance | 100 | 41.50 | 4150.00 |
| | (6) 6 th Year maintenance | 100 | 19.70 | 1970.00 |
| | (7) 7 th Year maintenance | 100 | 19.70 | 1970.00 |
| | (8) 8 th Year maintenance | 100 | 19.70 | 1970.00 |
| | (9) 9 th Year maintenance | 100 | 19.70 | 1970.00 |
| | (10) 10 th Year maintenance | 100 | 19.70 | 1970.00 |
| | Total Charges | | | 122224 |
| | Supervisory / Overhead / Miscellaneous Charges | | 10% on the CA charges | 12222 |
| | Total (A) C.A. Charge | | | 134446 |
| B | Additional Compensatory Afforestation Charges | | | |
| | (1) 1 st Year cost of afforestation | 0 | 610.06 | 0 |
| | (2) 2 nd Year maintenance | 0 | 184.22 | 0 |
| | (3) 3 rd Year maintenance | 0 | 159.71 | 0 |
| | (4) 4 th Year maintenance | 0 | 128.25 | 0 |
| | (5) 5 th Year maintenance | 0 | 41.50 | 0 |
| | (6) 6 th Year maintenance | 0 | 19.70 | 0 |
| | (7) 7 th Year maintenance | 0 | 19.70 | 0 |

| | | | | |
|---|--|------------------------------|----------------------------------|---------------|
| | (8) 8 th Year maintenance | 0 | 19.70 | 0 |
| | (9) 9 th Year maintenance | 0 | 19.70 | 0 |
| | (10) 10 th Year maintenance | 0 | 19.70 | 0 |
| | Total (B) Addl. C.A. Charges | | | 0 |
| C | Penal C.A. | | - | 0 |
| D | Catchment Area Treatment | | | |
| | Soil and Moisture Conservation charges | | 30% of the Total CA | 40334 |
| | Total (D) | | | 40334 |
| E | Safety Zone (if required) | | | 0 |
| F | Additional Charges (if required) | Qty | Rate | |
| | Total (F) | | | 0 |
| G | Felling charges | Vol. M ³ 0.000 | Rs.1400 /- per m ³ | |
| H | Other Charges | | | |
| | Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund | | | 174780 |


2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with six stick fencing.
- Spacement:- 4 × 2.5 meter
- Species:- Neem, Shisham, Jamun, Gullar, Arjun, Jamoya, Harar, Behra, Anwal, Imli etc.
- Plantation Method :- Tall Plants Plantation
- Soil and Moisture Conservation Works
- Protection (Fencing, Watch man, People's Participation etc.): - **Watchman**
- Proposed Monitoring Mechanism:- **(M&E)**,
- Any Other information:- Nil.

Place:

Dated :


Dy. Conservator of Forests,
Yamunanagar Forest Division,
Yamuna Nagar.

Note : CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.