

Full Title of the Project :- Diversion of 7.565 ha of forest land in favour of HPPWD for the Construction of link road from Sainwala, Boghria, Jhameria, Charuwala, Katola Km. 0/0 to 11/500. kms in jurisdiction of Nahan Forest Division Distt. Sirmour. H.P.

**CHECK LIST SERIAL NUMBER-18
"SCHEME FOR COMPENSATORY AFFORESTATION"**

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 7.565 ha. of forest area to be diverted for **Construction of link road from Sainwala, Boghria, Jhameria, Charuwala, Katola Km.0/0 to 11/500.** in Nahan Forest Division of Sirmour District.

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

District **Sirmour** Village **Dhaun**, Tehsil: **Nahan**.

Name of Forest Division **Nahan**, Range **Jamta**.

Block/Compartment/Survey No: **RF Sanoga C-2 Survey Sheet - H43L6** Area to be afforested **15.13 ha**.

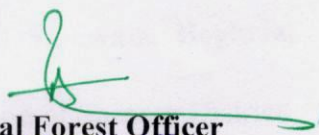
Description of the Area

- i. Whether the site selected for Compensatory Afforestation is a land bank or not: No.
 - ii. If the CA site is other than the land bank, reasons be given. :- NA.
 - iii. In case of non- forest area identified for CA, and then what is the distance of CA site from the adjoining forest boundary. : Adjoining the RF Khair Wala C-1
 - iv. Soil type:
 - v. Topography:
(a) Hilly/Undulating/Plain :-**Undulating**
(b) Slope: Steep / Medium/ Gentle :-**MEDIUM**
 - vi. Whether the area is bearing any root stock of vegetation: - No
2. Plantation model
- Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up to be enclosed.
3. **Schedule of Plantation Programme:-** Schedule of Plantation is enclosed .
4. **Technical details:-**
- Technical details of Compensatory Afforestation Scheme are as follows:-

- (a) General Details
- (b) Spacing: **3 mts X 3 mts** (As per availability and notional hectare area by no. of plants
- (c) Species:- **Misc Board leaved and medicinal plants**
- (d) Plantation Method: **By manual pit digging and manual labour**
- (e) Soil and Moisture Conservation Works:- **Yes.**
- (f) Protection (Fencing, Watch man, People's Participation etc.): - **Barbed wire fencing with people participation**
- (g) Proposed Monitoring Mechanism:- **By Field staff, local people and DFO**
- (h) Any other information:- **As per site condition minor variation can be made in the plantation. Area to be planted as per notional hectare**

Date:- 29-11-24

Place: Nahan.


Divisional Forest Officer
Nahan Forest Division,
Nahan Forest Division,
Nahan, H.P.

Diversion of 7.565 ha of forest land in favour of HPPWD for the Construction of link road from Sainwala, Boghria, Jhameria, Charuwala, Katola Km. 0/0 to 11/500. kms in jurisdiction of Nahana Forest Division Distt. Sirmour. H.P.

Scheme for Compensatory Afforestation for 2024-25 in lieu of Diversion of 7.565 ha of Forest Land for Construction of link road from Sainwala, Boghria, Jhameria, Charuwala, Katola Km. 0/0 to 11/500. kms in jurisdiction of Nahana Forest Division Distt. Sirmour. H.P.

– of Nahana Forest Division (RF Saroga C-2 = 15.13 ha. of Jamta Range

| Sr. No. | Particulars of work | Unit | Qty. | Rate per Unit at wage rate of Rs. 150/- | Mandays Involved | Amount at wage rate of Rs. 400/- |
|--|---|----------|------|---|------------------|----------------------------------|
| A | Survey, Demarcation & Fencing Cost | | | | | |
| 1 | Survey & demarcation of plantation area | ha. | 1 | 101.00 | 0.67 | 268.00 |
| 2 | Preparation/purchase of RCC Fence posts. | No. | 50 | 358.00 | 0.00 | 17900.00 |
| 3 | Carriage of RCC Fence posts up to 165 cm long over distance 2 Km uphill/downhill. | Km/No. | 50 | 33.50 | 22.33 | 8932.00 |
| 4 | Preparation/digging of holes of 20x30x50 cm size | No. | 50 | 9.06 | 3.02 | 1208.00 |
| 5 | Fixing of RCC fence posts including strutting. | No. | 50 | 7.16 | 2.39 | 956.00 |
| 6 | Carriage of Barbed wire over distance 2 Km. uphill / downhill | Km/ Qtl. | 0.75 | 73.65 | 0.74 | 296.00 |
| 7 | Stretching & fixing of barbed wire in 4 strands | Rmt. | 600 | 4.80 | 19.20 | 7680.00 |
| 8 | Interlacing of Thorny bushes along the fence | Rmt. | 150 | 4.09 | 4.09 | 1636.00 |
| 9 | Cost of Barbed Wire | Qtl. | 0.75 | 6510.00 | 0.00 | 4882.00 |
| 10 | Nursery Cost of Plants | No. | 1100 | 23.47 | 0.00 | 25817.00 |
| Total - A (Survey, Demarcation & Fencing) | | | | | | 69575.00 |
| | | | | | | or Say 69600 |
| B | Planting Cost | | | | | |
| 1 | Bush Cutting in Strips (3mX3m) | ha. | 1100 | 1192.80 | 7.95 | 3180.00 |
| 2 | Digging of pits 45x45x45 cm | No. | 1100 | 9.54 | 69.96 | 27984.00 |
| 3 | Filling of pits 45x45x45 cm. | No. | 1100 | 2.72 | 19.95 | 7980.00 |
| 4 | Carriage of plants in P/bags over distance 2 km. uphill. | Km/No. | 1100 | 1.90 | 27.87 | 11148.00 |
| 5 | Planting of entire plant raised in P.bags. | No. | 1100 | 2.18 | 15.99 | 6396.00 |
| 6 | Construction of Inspection Path | Rmt. | 100 | 11.00 | 7.33 | 2932.00 |
| 7 | Cost of Sign Board, Carriage & Fixing | No. | 0 | 15 | 0 | 450.00 |
| Total - B (Planting Cost) | | | | | | 60070.00 |
| | | | | | | or Say 60100 |
| Grand Total (A+B) | | | | | | 129700 |
| 1st Year Maintenance Cost (30 % Beating Up): | | | | | | |
| 1 | Re-digging of Pits 45 x 45 x 45 cm | No. | 330 | 4.77 | 10.49 | 4196.00 |
| 2 | Filling of Pits 45 x 45 x 45 cm | No. | 330 | 2.72 | 5.98 | 2392.00 |
| 3 | Planting of Plants raised in P/Bags | No. | 330 | 2.18 | 4.80 | 1920.00 |
| 4 | Nursery Cost of Plants | No. | 330 | 23.47 | 0.00 | 7745.10 |
| 5 | Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill | Km/No. | 330 | 1.90 | 8.36 | 3344.00 |
| 6 | Repair of Fencing | Rmt. | 60 | 1.80 | 0.72 | 288.00 |
| Total/ 1st Year Maintenance Cost | | | | | | 19885.10 |
| | | | | | | or Say 19900 |
| 2nd Year Maintenance Cost (20 % Beating Up): | | | | | | |
| 1 | Re-digging of Pits 45 x 45 x 45 cm | No. | 220 | 4.77 | 7.00 | 2800.00 |
| 2 | Filling of Pits 45 x 45 x 45 cm | No. | 220 | 2.72 | 3.99 | 1596.00 |
| 3 | Planting of Plants raised in P/Bags | No. | 220 | 2.18 | 3.20 | 1280.00 |
| 4 | Nursery Cost of Plants | No. | 220 | 23.47 | 0.00 | 5163.40 |
| 5 | Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill | Km/No. | 220 | 1.90 | 5.57 | 2228.00 |
| 6 | Repair of Fencing | Rmt. | 60 | 1.80 | 0.72 | 288.00 |

| | |
|---------------------------------|----------|
| Total/ 2nd Year Mentenance Cost | 13355.40 |
| or Say | 13400 |

| 3rd Year to 10th Year Maintenance Cost (10 % Beating Up): | | | | | | |
|---|---|------------|-----|-------|------|---------|
| 1 | Re-digging of Pits 45 x 45 x 45 cm | No. | 110 | 4.77 | 3.50 | 1400.00 |
| 2 | Filling of Pits 45 x 45 x 45 cm | No. | 110 | 2.72 | 1.99 | 796.00 |
| 3 | Planting of Plants raised in P/Bags | No. | 110 | 2.18 | 1.60 | 640.00 |
| 4 | Nursery Cost of Plants | No. | 110 | 23.47 | 0.00 | 2581.70 |
| 5 | Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill | Km/ No. | 110 | 1.90 | 2.79 | 1116.00 |
| 6 | Repair of Fencing | Rmt. | 60 | 1.80 | 0.72 | 288.00 |
| Total/ 1st Year Mentenance Cost | | | | | | 6821.70 |
| or Say | | | | | | 6900 |

| | | | | | | Escalation | |
|---|--|--|--|--|-----|------------|------------|
| A | Soil Conservation Works (area 1.Ha.) | | | | L/S | 800000 | 0% 800000 |
| B | Fire Watcher, Fire Kit, And tools(area 1.Ha.) | | | | L/S | 500000 | 0% 500000 |
| C | Lantana Eradication 75% 1 st , 2 nd & 3 rd (area 15.13.Ha.) | | | | L/S | 560000 | 0% 560000 |
| D | Survey, Demarcation & Fencing Cost | | | | | 69600 | 0% 69600 |
| E | Planting Cost | | | | | 60100 | 0% 60100 |
| F | 1st year Maintenance | | | | | 19900 | 10% 21890 |
| | 2 nd year Maintenance | | | | | 13400 | 20% 16080 |
| | 3 rd year Maintenance | | | | | 6900 | 30% 8970 |
| | 4 th year Maintenance | | | | | 6900 | 40% 9660 |
| | 5 th year Maintenance | | | | | 6900 | 50% 10350 |
| | 6 th year Maintenance | | | | | 6900 | 60% 11040 |
| | 7 th year Maintenance | | | | | 6900 | 70% 11730 |
| | 8 th year Maintenance | | | | | 6900 | 80% 12420 |
| | 9 th year Maintenance | | | | | 6900 | 90% 13110 |
| | 10 th year Maintenance | | | | | 6900 | 100% 13800 |
| | Total Plantation & Maint. For 1 Ha. | | | | | 218200 | 258750 |

| |
|---|
| Total Cost of CA i.e. (Soil Conservation, Fire Watcher & Lantana Eradication) for 15.13.Ha.) & Survey, Demarcation, Fencing cost, Planting cost and Maintenance |
| Contingency Charges @ 5% for 1 ha |
| Total |
| Departmental Charges @ 17.5% for 15ha |
| Grand Total |

5774888

288744

6063632

1061136

7124768

Total Cost Of CA for 15ha is =

7124768

Divisional Forest Officer,
Nahan Forest Division,
Nahan Forest Division,
Nahan, H.P.