

**Full Title of the Project:**

Diversion of 4.6147 hact. of forest land in favour of HP.PWD for the Construction of Gani To Bhorani Nala Road (km 0/00 to 7/200) within the jurisdiction of Nachan Forest Division, Distt. Mandi, HP.

**File No.**

**FP/HP/ROAD/41345/2019**

**CHECK LIST SERIAL NUMBER: 17**

**"SCHEME FOR COMPENSATORY AFFORESTATION"**

Detailed scheme for Compensatory Afforestation and its maintenance for 10 year to be carried out in lieu of 4.6147 ha, of forest area to be diverted for Construction of Gani To Bhorani Nala Road (km 0/00 to 7/200) within the jurisdiction of Nachan Forest Division, Distt. Mandi, HP.

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

District: Mandi

Village: DPF Churagati , DPF Dhari

Tehsil: Chachayot

Distt. : Mandi

Name of Forest Division: Nachan.

Range : Nachan

Block/ Compartment/ Survey No. 53E/02.

Area to be afforested: **9.2284 hact.**

**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- No
- iii) In case of non-forest area identified for CA, then what is the distance of Ca site from the adjoining forest boundary: Forest Area
- iv) Soil type- Sandy Loam
- v) Topography:
- vi) (a) Hilly/ Undulating/ Plain - Hilly
- vii) (b) Slope Steep/ Medium/Gentle Medium
- viii) Whether the area is bearing any root stock of vegetation. Buses

3. Plantation Model Copy of the approved Compensatory Afforestation Scheme /Model showing component wise physical and financial break up to be enclosed.
4. Estimate for Compensatory afforestation to be carried out in lieu of area diverted under FCA, 1980 (For one hact. area)
- A Compensatory Afforestation (1100) Plants/Ha) with RCC Fence Posts and 4 stand Barbed wire Fencing as per letter No. Ft. State CAMPA/ 2010/ Norms/ Vol.II dated 21-06-2021 of Pr.CCF.(HoFF) HP.

-Cost per ha. (Exclusive of cost of plants)= 83,660/-

-Cost of plants (1100 No. i.e. 1100X19.78= 21,758/-

**-Total Cost = Rs. 1,05,418/-**

B

## Maintenance for ten years

(As per PrCCF(HoFF) HP Shimla letter No. Ft. CAMPA/ 2010/Norms/ Vol.II dated 21-06-2021)

Maintenance (Wages)		
1.	1 <sup>st</sup> Year Maintenance	9100
2.	2 <sup>nd</sup> Year maintenance	6140
3.	3 <sup>rd</sup> Year maintenance	3180
4.	4 <sup>th</sup> Year maintenance	3180
5	5 <sup>th</sup> Year maintenance	3180
6	6 <sup>th</sup> Year maintenance	3180
7	7 <sup>th</sup> Year maintenance	3180
8	8 <sup>th</sup> Year maintenance	3180
9	9 <sup>th</sup> Year maintenance	3180
10	10 <sup>th</sup> Year maintenance	3180
	Total	40,680/-
	Total A+B	1,46,098/-
	For 9.2284 hect. for CA	13,48,251/-
Maintenance Cost of Plants		
	Add cost of plants 1 <sup>st</sup> year = 3045 Nos. (i.e 30% of total number planted in planting year), 2 <sup>nd</sup> year= 2030 Nos. (i.e 20% of total number planted in planting year), 3 <sup>rd</sup> year =1015 (i.e 10% of total number planted in planting year) Total- 6090 Nos @ 19.78/- per plants	1,20,460/-
C	Soil Conservation Works	
	Vegetative, Dry Stone, Brushwood check dam	30,000/-
D	Lantana Eradication works I/C maintenance	22,000/-
	Total cost per hect. i.e A+B++C+D: 105418+40680+30000+22000=	1,98,098/-
	For 9.2284 hect for CA Wages	18,28,127/-
	<b>Total</b>	<b>1,948,587/-</b>
	Add 5% contingency charges	97,429/-
	<b>Total</b>	<b>20,46,016/-</b>
	Add 17.50 % Departmental charges	3,58,052/-
	<b>Total</b>	<b>24,04,068/-</b>

## Schedule of Plantation Programme:-

5. Details of year-wise break up of requirements of funds is as under:

Year	Area	Rate/ha.	Total amount
0 <sup>th</sup> Year	9.2284 ha.	105418/-	9,72,839/-
1 <sup>st</sup> Year	-do-	9100/-	83,978/-
2 <sup>nd</sup> Year	-do-	6140/-	56,662/-
3 <sup>rd</sup> Year	-do-	3180	29,346/-
4 <sup>th</sup> Year	-do-	3180	29,346/-
5 <sup>th</sup> Year	-do-	3180	29,346/-
6 <sup>th</sup> Year	-do-	3180	29,346/-
7 <sup>th</sup> Year	-do-	3180	29,346/-
8 <sup>th</sup> Year	-do-	3180	29,346/-
9 <sup>th</sup> Year	-do-	3180	29,346/-
10 <sup>th</sup> Year	-do-	3180	29,346/-
Total A(i)			13,48,251/-
(A-ii) Cost of Plants 6090 Nos.	19.78		1,20,460/-
<b>Total-A</b>			<b>14,68,711/-</b>
B(i) Soil conservation works	9.2284	30000/-	2,76,852/-
B (ii) Lantana eradication	9.2284	22000/-	2,03,024/-
<b>Total -B</b>			<b>4,79,876/-</b>
<b>Total A+B</b>			<b>19,48,587/-</b>
Contingency @ 5%			97,429/-
<b>Total</b>			<b>20,46,016/-</b>
Department charges @ 17.5%			3,58,052/-
<b>Total</b>			<b>24,04,068/-</b>

### 4. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- i) General details:- Plantation will be done through Pit method as per plantation norms.
- ii) Spacement:- Pits of size 45 x 45 x 45 cm and 30x30x30 cm will be used for planting of 60% naked root stock and 40% P/Bag stock.
- iii) Species Based on locality/ site factors, local demand of people and will be mostly -Ban (Quercus leucotrichophora) Daru (Punica granatum) Kachnar (Bauhinia variagata) Ambla (Phyllanthus emblica).
- iv) Plantation Method:- Pit planting method.
- v) Soil and Moisture Conservation Works:- 25% of afforestation cost.
- vi) Protection (Fencing Watchman, People's participation etc):- B/wire fencing using concrete same posts.
- vii) Proposed monitoring Mechanism:- By higher authority, Monitoring and Evaluation and divisional level.
- viii) Any other information:- nil

  
**Divisional Forest Officer,**  
**Forest Division, Nachan,**  
**GOHAR, DISTT. MANDI (H.P.)**