

**“SCHIME FOR COMEPESATORY AFFORTATION”**

Detailed scheme for compensatory Afforestation to be carried out in lieu of diversion of **1.5298** hectare of forest land for the construction of **BUILDING OF NEWLY OPENED GOVT. COLLAGE- SIHUNTA** to be constructed by the Principal Govt. Collage-Sihunta in Bhattiyat Forest Range of Dalhousie Division, Chamba District, Himachal Pradesh. Afforestation will be done over  $(1.5298 \times 2 = 3.0596)$  Or Say=3.1) **3.1 hectare** i.e. two times the forest land area to be diverted.

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

a) District	Chamba
b) Name of land Bank	Man Massi DPF
c) Tehsil	Bhattiyat
d) Name of Forest Division	Dalhousie
e) Range	Bhattiyat
f) Khasra No.	119/2,137 in Mohal Balu
g) Survey Sheet No.	52 D/3/SW
h) Scale	1:15,000
i) Area to be afforested	3.1 Hectare
j) Name of Forest	Man Massi DPF
i) Legal Status	DPF

**2. Description of Area:-**

(i) Whether the site selected for Compensatory Afforestation is a land bank or not:

**Yes, The selected site is a land bank.**

(ii) If the CA site is other than the land bank, reason is given. :

**N.A. as the selected site is a land bank.**

(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. as the selected site is a forest area.**

**3. Plantation Model**

Compensatory afforestation over an area of 3.1 Ha of degraded forest land is proposed to be raised. The area selected for this purpose is Man Massi DPF, which is a degraded forest area and has been proposed as a land bank in the concerned proposal. Presently the area supports scattered Chil (***Pinus roxburghii***) trees. Whole of the plantation of 3.1 ha will be raised in a single compact block inside the land bank created for such purpose. The area identified for plantation has also been shown on the attached map. Plants @ 1100 plants per hectare will be planted. Thus 3410 plants under this diversion/ proposal will be planted in the land bank. The species to be planted will be mainly broad leaved. The plantation will be raised in the following year after the approval of FCA proposal and further maintenance and beating up of failures will be done for the subsequent ten years. The scheme will be implemented by Forest Department through DFO Dalhousie. The cost structure of the scheme is attached. The scheme has been formulated by taking into consideration the present wage rate of Rs. 350/- and 10% cost escalation after First years has been provided. Total financial outlay for compensatory plantation scheme is Rs. 8,79,400/-. Certificate of DFO Dalhousie regarding suitability of area identified for compensatory plantation is also attached. The area selected for compensatory plantation will be approachable from State Highway road Dramman to Sihunta near village Dramanala on road. The monitoring will be done as per existing monitoring mechanism in the Forest Department at present and also as per G.O.I instructions.


4) The cost structure of the scheme is mentioned below:-

Particulars of works	Norms per hact. @ 350/- wage rate (2022-23)	Year of execution of works	Increase per Year @ 10%	Tentative Rate	Total amount
<b>(a)</b>					
Initial cost for Plantation	89800	2023-24	8980	98780	306220
Nursery Cost (BL= 2.16 ) Hacter)	20.83	2023-24	2.083	22.913	78130
<b>(b)</b>					
Soil conservation works	0	0		L/S	96090
Total (a+b)					<b>480440</b>
<b>(c)</b>					
1 <sup>st</sup> year maintenance	10600	2024-25	1060	11660	36150
2 <sup>nd</sup> year maintenance	7100	2025-26	1490	8590	26630
3 <sup>rd</sup> year maintenance	3700	2026-27	1220	4920	15260
4 <sup>th</sup> year maintenance	3700	2027-28	1720	5420	16810
5 <sup>th</sup> year maintenance	3700	2028-29	2260	5960	18480
6 <sup>th</sup> year maintenance	3700	2029-30	2850	6550	20310
7 <sup>th</sup> year maintenance	3700	2030-31	3510	7210	22360
8 <sup>th</sup> year maintenance	3700	2031-32	4230	7930	24590
9 <sup>th</sup> year maintenance	3700	2032-33	5020	8720	27040
10 <sup>th</sup> year maintenance	3700	2033-34	5900	9600	29760
<b>TOTAL</b>					<b>237390</b>
<b>Total (a+b+c)</b>					<b>717830</b>
Contingencies				5%	35900
					753730
Department Charges				17.50%	125630
				<b>TOTAL</b>	<b>879360</b>
				<b>Or Say</b>	<b>8,79,400/-</b>

##### 5). Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- (a) **General Details:** - An area of 3.1 ha will be taken up for planting under compensatory afforestation scheme in DPF Manmassi in a single compact block. The area will be protected by Barbed wire fencing and a mixture of conifer and broad leaved species will be planted. Plants will be planted @ 1100 plants per hectare.
- (b) Spacement:- 2.5 mtr×2.5 mtr  
1. Species:- Broad Leaved and Chil (**Pinus roxburghii**)
- (c) **Plantation Method:-** Nursery grown one year old plants of Mixed species of Broad Leaved) and Chil (**Pinus roxburghii**) in Polythene bags will be planted in 45×45×45 cm pits in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years in which beating up failures will be done. The plantation will be rain faded.
- (d) **Soil and Moisture Conservation Works:** - Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging check walls will be done where ever required.
- (e) **Protection (Fencing, Watch man, People's Participation etc.):**- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable place around the plantation. Further watch and ward as also fire protection will be ensured through regular departmental staff.
- (f) **Proposed Monitoring Mechanism:** - The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GoI representatives as per instructions. The plantation site will be approachable from National Highway Dramman to Sihunta road and near village Drammanala toward Dhulara to Garnota link road.
- (g) **Any other information**

  
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