

REVISED C.A. SCHEME FOR COMPENSATORY AFFORESTATION

Detailed scheme for compensatory afforestation to be carried out over 3.01 hectare (3.01x2=6.02) in DPF Lahri for C/o- Link Road from Fogla to Banoi in favour of HPPWD Division, Dalhousie Himachal Pradesh. The afforestation will be done as under:-

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

a) District	Chamba
b) Name of land Bank	DPF Lahri
c) Tehsil	Bhattiyat
d) Name of Forest Division	Dalhousie
e) Range	Bakloh
f) Block/ Compartment/ Survey No.	43P/14/SW
g) Scale	1:15,000
h) Area to be afforested	6.02 Hact.

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.

(iv) Soil type: **Clave Loam**

(v) Topography: - (a). Hilly/Undulating/Plain : **Hilly**
 (b). Slope: - Steep/Medium/Gentle: - : **Medium**

(vi) Whether the area is bearing any root stock of vegetation:

Yes scattered trees of Chil and other Bushes are present on the site

3. Plantation Model.

Compensatory afforestation over an area of **6.02** Hact of degraded forest land is proposed to be raised. The area selected for this proposal has been purposed in DPF Lahri, which is a degraded forest area and has been proposed as a land bank in the concerned proposal. Presently the area is mostly blank having a few scattered trees of Chil (Pinusroxburghii) and shrubs i.e Baberries bushes etc, the soil is sandy loam the drains of area falls into the Lahri khad. Whole of the plantation of **6.02** hact will be raised in a single compact block inside the land bank created for such purpose. The area indentified for plantation has also been shown on the attached map. Plants @ **1100** plants per hectare will be planted. Thus **6622** 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.275/-.Total financial outlay for compensatory plantation scheme is **Rs 14,85,700/-**.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 High way from village Nanikhad to Mail-Sundhara-Kandei near village Lahri. 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). Cost structure of the scheme is mentioned below:-

Particulars of works	Norms per hact. @ 275/- wage rate (2020-21)	Year of execution of works	Increase per Year @ 10%	Tentative Rate	Total amount
(a)					
Initial cost for Plantation	78,640	2021-22	7,864	86,504	5,20,800/-
Nursery Cost (BL=6.02 Hacter)	16.84	2021-22	1.684	18.524	1,22,700/-
(b)					
Soil conservation works	0	0	0	L/S	1,60,900/-
Total (a+b)					8,04,400/-
(c)					
1 st year maintenance	8350	2022-23	1754	10104	60,830/-
2 nd year maintenance	5630	2023-24	1864	7494	45,120/-
3 rd year maintenance	2915	2024-25	1353	4268	25,700/-
4 th year maintenance	2915	2025-26	1780	4695	28,270/-
5 th year maintenance	2915	2026-27	2249	5164	31,090/-
6 th year maintenance	2915	2027-28	2766	5681	34,200/-
7 th year maintenance	2915	2028-29	3334	6249	37,620/-
8 th year maintenance	2915	2029-30	3958	6873	41,380/-
9 th year maintenance	2915	2030-31	4646	7561	45,520/-
10 th year maintenance	2915	2031-32	5402	8317	50,070/-
TOTAL					3,99,800/-
Total (a+b+c)					12,04,200/-
Contingencies				5%	60,210/-
			Sub Total		12,64,410/-
Department Charges				17.50%	2,21,280/-
			GRAN TOTAL		14,85,690/-
			Or Say		14,85,700/-

5). Technical Details:-

Technical details of Compensatory A forestation Scheme are as follows:

- (a) **General Details:** - An area of **6.02** Ha will be taken up for planting under Compensatory afforestation scheme in DPF Lahri in a single compact block.
- (b) The area will be protected by Barbed wire fencing and a mixture of conifer and Broad leaved species will be planted **1100** plants will be planted per hectare.
- (c) Spacement :- 2.5 x 2.5 mtrs
- (d) Species: - Mainly Broad Leaved plants.

6. Plantation Method: -

Nursery grown one and two year's old plants of mixed species of Broad Leaved in Polythene bags will be planted in 45x45x45 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 of failures will be done. The plantation will be rain faded.

7. 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.

8. Protection (Fencing, Watch man, People's, participation etc.):- Area will be protected from Grazing by erecting barbed wire fencing at all numerable place around the plantation. Further watch and ward as also fire protection will be ensured through regular departmental Staff.

9. 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 instruction. The area selected for compensatory plantation will be approachable from State High way from village Nanikhad to Mail-Sundhara-Kandei near village Lahri. The monitoring will be done as per existing monitoring mechanism in the Forest Department at present and also as per G.O.I instructions.

Dated: -15.10.2020

Place: Dalhousie


(KAMAL BHARTI) HPFS
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