

Check list Serial Number:-27

SCHEME FOR COMPENSATORY AFFORESTATION

Detailed scheme for compensatory afforestation to be carried out for the construction of Provision of proposed CA site for **Construction of Parking Place at Dalhousie** Within the Jurisdiction of Dalhousie Forest Division HP Afforestation will be done over 0.15 hectare as under:-

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

a) District	Chamba
b) Name of land Bank	Suhar DPF
c) Tehsil	Dalhousie
d) Name of Forest Division	Dalhousie
e) Range	Bhattiyat
h) Area to be afforested	0.15 Hact.

2. Description of Area:-

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

Yes, The selected site is a land bank.

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

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

- (c) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary?

Not applicable as the site selected is a forest area

- (d) Soil Type : Sandy Loam

- (e) Topography:Hilly

- (f) Slope: Easy to Moderate

- (g) Whether the area is bearing any stock of vegetation: No

3. Plantation Model.

Compensatory afforestation over an area of 0.15 Hact of degraded forest land is proposed to be raised. The area selected for this purpose is Suhar DPF, which is a degraded forest area and has been proposed as a land bank in the concerned proposal. Whole of the plantation of 0.15 ha 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 165 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.375/- and 10% cost escalation after First years has been provided. Total financial outlay for compensatory plantation scheme is **Rs. 86,975/-** Certificate of DFO Dalhousie regarding suitability of area identified for compensatory plantation is also attached.. 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) CA Plantation Model 1100 Plants/ Hac.

Sr. No.	Particulars of Works	Unit	Qty	Rate per Unit at wage rate of RS. 150/-	Amount at wage rate of Rs. 150/- for non-tribal areas
1	Survey & Demarcation of Plantation area	ha.	0.15	101	
2	Digging of Pits of 60x60x60 cm Size for tall plants	No	45	17.45	15
3	Filling of Pits of 60x60x60 cm Size for tall plants	No	45	2.54	785
4	Digging of Pits of 45x45x45 cm Size	No	120	9.54	114
5	Filling of Pits of 45x45x45 cm size	No	120	2.72	1145
6	Planting of Tall Plants	No	45	6.543	326
7	Planting of Normal Plants	No	120	2.18	294
8	Construction of Inspection Path	Rmt.	15	11	262
9	Construction of staggered contour trenches	Rmt.	90	12	165
10	Planting in gradional trenches	No	300	L/S	1080
11	Cost of RCC Fence posts	No	7.5	450	300
12	Fixing of RCC fence posts	No	7.5	696.35	3375
13	Fixing of RCC Fence post i/c structting	No	7.5	L/S	5223
14	Carriage of B/Wire over a distance of 2 Kms	Km/Qtl	0.1125	73.65	4000
15	Stretching & Fixing of barbed Wire in 5 stands	Rmt.	112.5	4.8	8
16	interlacing of Throny Bushes along the Fence	Rmt.	22.5	4	540
17	Cost of Barbed Wire	Qtl	0.165	9000	90
18	Cost of U-Nails	Qtl	0.0075	8800	1485
19	Carriage of Tall Plants over distance 2 km uphill/downhill	No	45	14.76	66
20	Digging of forest soil, carriage and mixing in the pits	No	1800	L/S	664
21	Carriage of normal Plants over distance 2 km uphill/downhill		120	1.9	1800
22	Cost of manure, carriage and application in pits		450	L/S	228
23	Mulching with local grasses/shrubs		165	0.848	450
24	weeding and hoeing		165	0.708	140
25	Watering during leing season		30	L/S	117
26	Sign Board, Carriage & Fixing		67.5	L/S	11250
27	Eradiction of Lantana by CRS method	25%	0.15	28800	68
28	SMC Work Gully Plugging		1	6000	4320
29	Biofertilizer , Hydrogel , verming composet		1	3000	6000
(A)	wage rate from Rs. 150/- to Rs 375/- per day (Sl. No. 1 to 10, 12 to 16, 19, 21 & 23, 24)				3000
(B)	Cost of material etc. (Sl. No. 11,12to15,17,18,20,22,25,26,27&28)				10949
(C)	Total (A) + (B)				36362
(D)	Total Cost of 10 years Maintenance				47310
(E)	Total C+D				17283
(F)	Cost of Tall Plants	No	45	68.68	64593
(G)	Cost of Normal Plants	No	120	20.83	3091
	Grand Total E+F+G				2500
	Or Say Rs				70183
	5% Contingency				71000
	Add Departmental Charges @ 17.5%				3550
	Grand Total				12425
					86975

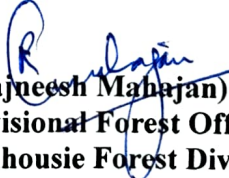
(D) Scheduled of Maintenance

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5). Technical Details:-

Technical details of Compensatory A forestation Scheme are as follows:-

- (a) **General Details:** - An area of 0.15 Hac will be taken up for planting under Compensatory afforestation scheme in Suhar DPF. In a single compact block. The area will be protected by Barbed wire fencing and a mixture of Broad leaved species with fruit wear will be planted. Plants will be planted @ and 1100 plants per hectare.
- (b) **Spacement :-** 2.5 x 2.5 mtrs.
Species: - Broad leaves/Conifer
- (c) **Plantation Method:** - Nursery grown one year old plants of mixed species of Broad Leaved and fruit plants 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.
- (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 Dams 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.


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