

No.RK/Misc./ 9432
H.P. Forest Department

From:-

Divisional Forest Officer
Dalhousie Forest Division
Dalhousie

To:-

Executive Engineer
HPPWD Division Chowari
Distt. Chamba H.P.

Dated Dalhousie, the 5-02-2025

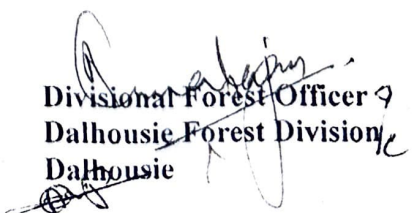
Subject: - **Proposal for diversion of 6.2455 hectare of forest land for C/O- link road from Dadriara to Chakki. Km. 0/0 to 13/500 Km within the jurisdiction of Dalhousie Forest Division, District Chamba(H.P).**

Sir,

The approval "*in-principle*" has been conveyed by the IRO, MoEF&CC, Chandigarh in above said case vide letter No.FC/HPB/06/72/2021 dated 22.01.2025. Necessary breakup of amount with its heads for deposition of *Net Present Value/ Compensatory Afforestation, contingencies/departmental charges and cost of trees etc* in respect of above cited proposal is tabulated as under:-

Sr. No.	Component	Amount	Mode of Payment	Amount where the amount is to be deposited.
1	NPV (NetPresent Value)	66,79,400/-	e-payment	CAMPA HEAD Through online portal
2	Compensatory afforestation	54,82,000/-	e-payment	
3	Contingency	2,74,100/-	e-payment	
4	Soil and Moisture conservation plan	4,72,500/-	e-payment	
5	Wildlife Management Plan	18,90,000	e-payment	
Total amount to be deposited through online		1,47,98,000/-		
4	Departmental Charges	9,59,350/-	Through online T.C.	0406-01-800-12 RECEIPT FROM OTHER DEPARTMENTS
		9,59,350/-		
G.TOTAL:-		1,57,57,350/-		

Note: - The user agency will pay the differential amount of NPV, CA etc. if any pointed out by Audit or in case enhancement of rates etc.


Divisional Forest Officer
Dalhousie Forest Division
Dalhousie

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 Link road From Dadriara to Chakki KM. 0/0 to 13/500** Within the Jurisdiction of Dalhousie Forest Division, Dalhousie HP Afforestation will be done over 12.491 hectare is as under:-

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

a) District	Chamba
b) Name of land Bank	Sundlal (N) DPF
c) Tehsil	Bhattiyat
d) Name of Forest Division	Dalhousie
e) Range	Chowari
h) Area to be afforested	12.491 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 12.491 Hact of degraded forest land is proposed to be raised. The area selected for this purpose is Sundla (N) DPF, which is a degraded forest area and has been proposed as a land bank in the concerned proposal. Whole of the plantation of 12.491 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 **13740** 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.400/- and 10% cost escalation after First years has been provided. Total financial outlay for compensatory plantation scheme is **Rs. 6715450/-** 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. Sundla DPF					
Sr.	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.	12.491	101	1262
2	Digging of Pits of 60x60x60 cm Size for tall plants	No	3747.3	17.45	65390
3	Filling of Pits of 60x60x60 cm Size for tall plants	No	3747.3	2.54	9518
4	Digging of Pits of 45x45x45 cm Size	No	9992.8	9.54	95331
5	Filling of Pits of 45x45x45 cm size	No	9992.8	2.72	27180
6	Planting of Tall Plants	No	3747.3	6.543	24519
7	Planting of Normal Plants	No.	9992.8	2.18	21784
8	Construction of Inspection Path	Rmt.	1249.1	11	13740
9	Construction of stagarred contour trenches	Rmt.	7494.6	12	89935
10	Planting in gradional trenches	No	24982	L/S	24982
11	Cost of RCC Fence posts	No	624.55	450	281048
12	Fixing of RCC fence posts	No	624.55	696.35	434905
13	Fixing of RCC Fence post i/c structting	No	624.55	L/S	4000
14	Carriage of B/Wire over a distance of 2 Kms	Km/Qtl	9.36825	73.65	690
15	Stretching & Fixing of barbed Wire in 5 stands	Rmt.	9368.25	4.8	44968
16	interlacing of Throny Bushes along the Fence	Rmt.	1873.65	4	7495
17	Cost of Barbed Wire	Qtl	13.7401	9000	123661
18	Cost of U-Nails	Qtl	0.62455	8800	5496
19	Carriage of Tall Plants over distance 2 km uphill/downhill	No	3747.3	14.76	55310
20	Digging of forest soil, carriage and mixing in the pits	No	149892	L/S	149892
21	Carriage of normal Plants over distance 2 km uphill/downhill		9992.8	1.9	18986
22	Cost of manure, carriage and application in pits		37473	L/S	37473
23	Mulching with local grasses/shrubs		13740.1	0.848	11652
24	weeding and hoeing		13740.1	0.708	9728
25	Watering during lean season		360	L/S	144000
26	Sign Board, Carriage & Fixing		5620.95	L/S	5621
27	Eradiction of Lantana by CRS method	50%	7	45900	321300
28	SMC Work Gully Plugging		25	6000	150000
29	Biofertilizer , Hydrogel , verming composet		12	3000	36000
(A)	wage rate from Rs. 150/- to Rs 400/- per day (Sl. No. 1 to 10, 12 to 16, 19, 21 & 23, 24)				911718
(B)	Cost of material etc. (Sl. No. 11,12to15,17,18,20,22,25,26,27 &28. 29)				1304148
(C)	Total (A) + (B)				2215866
(D)	Total Cost of 10 years Maintenance				2746151
(E)	Total C+D				4962017
(F)	Cost of Tall Plants	No	3747.3	76.1	285170
(G)	Cost of Normal Plants	No	9992.8	23.47	234531
	Grand Total E+F+G				5481718
	Or Say Rs				5482000
	5% Contingency				274100
	Add Departmental Charges @ 17.5%				959350
	Grand Total				6715450

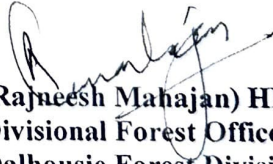
Scheduled of Maintenance

	B	C	D	E	F		G	H
Year wise maintenance	Unit in ha	Number of Plants	Cost of Plant	Total cost plant	Rate per hact.		Total amount of column E+F	Total Amount including escalation
1st year Maintenance	12.491	4122	73.1	301320	14820	185117	486437	583724
2nd Year Maintenance	12.491	2748	73.1	200880	10010	125035	325915	423690
3rd Year Maintenance	12.491	1374	73.1	100440	4680	58458	158898	222457
4th year Maintenance	12.491	1374	73.1	100440	4485	56022	156462	219047
5th year Maintenance	12.491	1374	73.1	100440	4485	56022	156462	219047
6th Year Maintenance	12.491	1374	73.1	100440	4290	53586	154027	215637
7th Year Maintenance	12.491	1374	73.1	100440	4290	53586	154027	215637
8th Year Maintenance	12.491	1374	73.1	100440	4290	53586	154027	215637
9th Year Maintenance	12.491	1374	73.1	100440	4290	53586	154027	215637
10th year Maintenance	12.491	1374	73.1	100440	4290	53586	154027	215637
Total Cost of 10 years Maintenance								2746151

5). Technical Details:-

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

- (a) **General Details:** - An area of 12.491 Hac will be taken up for planting under Compensatory afforestation scheme in Sundla (N) 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.


(Rajneesh Mahajan) HPFS
Divisional Forest Officer
Dalhousie Forest Division
Dalhousie

BILL FOR NPV

C/O Link road from Dadriara to Chakki KM.0/0 to 13/500


Classification of land being diverted into various ECO CLASSES AS PER Hon'ble Supreme Court directions.

Nature of Forests		Area to be diverted in hac.		Classification as per Champion and Seth									Eco value Class
Class Of Trees	V	IV	III	IIA	IIB	IA	IB	IC	ID	IE	Total	Area to be diverted in Hac.	
Aru-Da-Pher D.P.F C-II, Panjetra D.P.F C-II, Chihun (N)D.P.F PB.II, Batali Behi (N)D.P.F C-II, Chilli di Behi (N)D.P.F, Dibri (N)D.P.F, Tarsul (N)D.P.F.		6.2455		Sub Tropical Pine Forest									VI
Trees coming in the alignment	273	169	70	54	23	15	7	4	2	0	617	6.2455	
TOTAL	273	169	70	54	23	15	7	4	2	0	617	442	
Total trees below III												175	
Total trees III class and above												396	
Total mature trees (nationally)after conservation of below III rd class into one mature class												63	
Per Hectare Density of trees												0.16	
Density of trees in the land to be diverted												Open	
Density class													

Nature of Forests	Area to be diverted in hac.	Eco Class	Density Class	NPV rate Applicable	Amount
Aru-Da-Pher D.P.F C-II, Panjetra D.P.F C-II, Chihun (N)D.P.F PB.II, Batali Behi (N)D.P.F C-II, Chilli di Behi (N)D.P.F, Dibri (N)D.P.F, Tarsul (N)D.P.F.	6.2455	VI	Open	1,069,470	6679374.89
				Or Say	6679400/-

Place : Dalhousie

Date : _____


Divisional Forest Officer
Dalhousie Forest Division
Dalhousie

LINK ROAD FROM DADRIARA TO CHAKKI. Km. 0/0 to 13/500

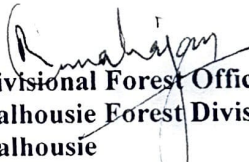
WILDLIFE MANAGEMENT PLAN

CALCULATION OF WILDLIFE MANAGEMENT PLAN OF FOREST LAND TO BE DIVERTED UNDER FCA, 1980 FOR LINK ROAD FROM DADRIARA TO CHAKKI. Km. 0/0 to 13/500 IN DALHOUSIE FOREST DIVISION- DALHOUSIE

The bill for Wildlife Management Plan @ 2% as per directions Ministry of Environment, Forest and Climate Change vide letter dated 07.06.2022 this calculated as under:-

Total Cost of Project	2 %
Rs. 94500000/-	1890000/- (Eighteen lac ninety thousand rupees) only.
Or say	1890000/-

Place: Dalhousie


**Divisional Forest Officer
Dalhousie Forest Division
Dalhousie**

LINK ROAD FROM DADRIARA TO CHAKKI. Km. 0/0 to 13/500


**BILL FOR SOIL AND MOISTURE CONSERVATION
PLAN(SMCP)**

**CALCULATION OF SOIL AND MOISTURE CONSERVATION
PLAN(SMCP) OF FOREST LAND TO BE DIVERTED UNDER FCA, 1980 FOR LINK
ROAD FROM DADRIARA TO CHAKKI. Km. 0/0 to 13/500 IN DALHOUSIE
FOREST DIVISION-DALHOUSIE**

The bill for Soil and Moisture Conservation Plan @ 0.5% as per directions Ministry of Environment, Forest and Climate Change vide letter dated 07.06.2022 this calculated as under:-

Total Cost of Project	0.5 %
Rs. 94500000/-	472500/- (Four lac seventy two thousand five hundred) only.
Or say	472500/-

Place: Dalhousie


Divisional Forest Officer
Dalhousie Forest Division
Dalhousie