

No. RK/Misc./6401
H.P. Forest Department

From:-

Divisional Forest Officer
Dalhousie Forest Division
Dalhousie

To:-

Distt. Youth Services
& Sports Officer,
Chamba Distt. Chamba H.P

Dated Dalhousie the 16.10.2024

Subject: - Proposal for diversion of 1.9221 hectare of Forest Land for the C/O-Sport Stadium at CHOWARI within the jurisdiction of Dalhousie Forest Division, District Chamba(H.P).

Sir,

The "in-principle" has been conveyed by the Pr.CCF(Central) MoEF, GoI, Shradun in above said case vide letter No.8B/HP/09/103/2017/142 dated 30.06.2021. The revised CA & NPV on current wage rates are also enclosed herewith for further necessary action at your end. Further, you are therefore requested to deposit the following amount through online portal/e-Challan generated immediately, so that 2nd stage clearance/approval from the competent authority could be obtained well in time.

Sr. No.	Component	Amount	Mode of Payment	Amount where the amount is to be deposited.
1	NPV (Net Present Value)	19,32,200/-	e-payment	CAMPA HEAD Through online portal
2	Compensatory afforestation	16,76,000/-	e-payment	
3	Contingency	83,800/-	e-payment	
4	Cost of trees	68,542/-	e-payment	Head-0406-01-800-15
Total amount to be deposited through online		37,60,542/-		
4	Departmental Charges	2,93,300/-	Through online T.C.	0406-01-800-12 FROM DEPARTMENTS RECEIPT OTHER
G.TOTAL:-		40,53,842/-		

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

SPORTS STADIUM AT CHOWARI

REVISED BILL FOR NPV

**CALCULATION OF NET PRESENT VALUE OF FOREST LAND TO BE DIVERTED UNDER
FCA, 1980 FOR CONSTRUCTION OF SPORTS STADIUM AT CHOWARI IN DALHOUSIE
FOREST DIVISION-DALHOUSIE**

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
Waste land adjoining Makolsu UPF		1.9221			Sub Tropical Pine Forest						V
Class Of Trees	V	IV	III	IIA	IIB	IA	IB	IC	ID	Total	Area to be diverted in Hac.
Trees coming in the alignment	4	4	0	1	0	0	0	0	0	9	1.9221
TOTAL	4	4	0	1	0	0	0	0	0	9	
Total trees below III											8
Total trees III class and above											1
Total mature trees (nationally) after conservation of below III rd class into one mature class											5
Per Hectare Density of trees											3
Density of trees in the land to be diverted											0.01
Density class											Open

Nature of Forests	Area to be diverted in hac.	Eco Class	Density Class	NPV rate Applicable	Amount
Waste land adjoining Makolsu UPF	1.9221	V	Open	1005210	1932114.14
				Or Say	1932200.00

Place : Dalhousie

Date : _____

[Signature]
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 Sports Stadium at Chowari** Within the Jurisdiction of Dalhousie Forest Division HP Afforestation will be done over 3.85 hectare as under:-

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

a) District	Chamba
b) Name of land Bank	Sundla II DPF
c) Tehsil	Sihuntla
d) Name of Forest Division	Dalhousie
e) Range	Chowari
h) Area to be afforested	3.85 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 3.85 Hact of degraded forest land is proposed to be raised. The area selected for this purpose is Sundla II DPF, which is a degraded forest area and has been proposed as a land bank in the concerned proposal. Whole of the plantation of 2 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 4235 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. 20,53,100/-** 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. Manmassi DPF

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.	3.85	101	389
2	Digging of Pits of 60x60x60 cm Size for tall plants	No	1155	17.45	20155
3	Filling of Pits of 60x60x60 cm Size for tall plants	No	1155	2.54	2934
4	Digging of Pits of 45x45x45 cm Size	No	3080	9.54	29383
5	Filling of Pits of 45x45x45 cm size	No	3080	2.72	8378
6	Planting of Tall Plants	No	1155	6.543	7557
7	Planting of Normal Plants	No	3080	2.18	6714
8	Construction of Inspection Path	Rmt.	385	11	4235
9	Construction of stagarred contour trenches	Rmt.	2310	12	27720
10	Planting in gradional trenches	No	7700	L/S	7700
11	Cost of RCC Fence posts	No	192.5	450	86625
12	Fixing of RCC fence posts	No	192.5	696.35	134047
13	Fixing of RCC Fence post i/c structting	No	192.5	L/S	4000
14	Carriage of B/Wire over a distance of 2 Kms	Km/Qtl	2.8875	73.65	213
15	Stretching & Fixing of barbed Wire in 5 stands	Rmt.	2887.5	4.8	13860
16	interlacing of Throny Bushes along the Fence	Rmt.	577.5	4	2310
17	Cost of Barbed Wire	Qtl	4.235	9000	38115
18	Cost of U-Nails	Qtl	0.1925	8800	1694
19	Carriage of Tall Plants over distance 2 km uphill/downhill	No	1155	14.76	17048
20	Digging of forest soil, carriage and mixing in the pits	No	46200	L/S	46200
21	Carriage of normal Plants over distance 2 km uphill/downhill		3080	1.9	5852
22	Cost of manure, carriage and application in pits		11550	L/S	11550
23	Mulching with local grasses/shrubs		4235	0.848	3591
24	weeding and hoeing		4235	0.708	2998
25	Watering during lean season		90	L/S	33750
26	Sign Board, Carriage & Fixing		1732.5	L/S	1733
27	Eradiction of Lantana by CRS method	25%	3.85	28800	110880
28	SMC Work Gully Plugging		5	6000	30000
29	Biofertilizer , Hydrogel , verming composet		3	3000	9000
(A)	wage rate from Rs. 150/- to Rs 400/- per day (Sl. No. 1 to 10, 12 to 16, 19, 21 & 23, 24)				281012
(B)	Cost of material etc. (Sl. No. 11,12to15,17,18,20,22,25,26,27 &28, 29)				387619
(C)	Total (A) + (B)				668631
(D)	Total Cost of 10 years Maintenance				846424
(E)	Total C+D				1515055
(F)	Cost of Tall Plants	No	1155	76.1	87896
(G)	Cost of Normal Plants	No	3080	23.47	72288
	Grand Total E+F+G				1675238
	Or Say Rs				1676000
	5% Contingency				83800
	Add Departmental Charges @ 17.5%				293300
	Grand Total				2053100

Scheduled of Maintenance

A	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	3.85	1271	73.1	92874	14820	57057	149931	179917
2nd Year Maintenance	3.85	847	73.1	61916	10010	38538.5	100454	130590
3rd Year Maintenance	3.85	424	73.1	30958	4680	18018	48976	68566
4th year Maintenance	3.85	424	73.1	30958	4485	17267	48225	67515
5th year Maintenance	3.85	424	73.1	30958	4485	17267	48225	67515
6th Year Maintenance	3.85	424	73.1	30958	4290	16516.5	47474	66464
7th Year Maintenance	3.85	424	73.1	30958	4290	16516.5	47474	66464
8th Year Maintenance	3.85	424	73.1	30958	4290	16516.5	47474	66464
9th Year Maintenance	3.85	424	73.1	30958	4290	16516.5	47474	66464
10th year Maintenance	3.85	424	73.1	30958	4290	16516.5	47474	66464
Total Cost of 10 years Maintenance								846424

5). **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- (a) **General Details:** - An area of **3.85** ha will be taken up for planting under compensatory afforestation scheme in **Sundla II 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 @ 1100 plants per hectare.
- (b) Spacement:- 2.5 mtr×2.5 mtr
1. Species:- Broad Leaved and Fruit plants
- (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 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.

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 area selected for compensatory plantation will be approachable from Dalhousie to Chowari via Bharadi road and on foot 5-6 Km. from near village Draman. The monitoring will be done as per existing monitoring mechanism in the Forest Department at present and also as per G.O.I. instructions.


(RAJNEESH MAHAJAN) HPFS
Divisional Forest Officer
Dalhousie Forest Division
Dalhousie