

Full Title of the Project :- Ghatot Top SHEP (4.98 MW).
File No. :- FP/HP/HYD/156608/2022.
Date of Proposal :- 09/06/2022.

Check List Serial No. 18.

"DETAILED SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed Scheme for Compensatory Afforestation to be carried out in lieu of **3.7463 hectares** of forest area to be diverted in favour of **M/S Rajeev Upamnyu, Chamba Hydro Venture, Hotel Alps Resorts, P.O. Tehsil Dalhousie District Chamba (H.P.)** for the construction of **Ghatot Top SHEP (4.98 MW)** within the jurisdiction of Bharmour Forest Division in Chamba District, Himachal Pradesh.

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

District :- Chamba
Village :- Kuthar & Agasan
Tehsil :- Bharmour
Name of Forest Division :- Bharmour
Range :- Swai & Bharmour
Block/ Compartment/Survey Sheet No :- 52D/6/SE & 52D/6D
Area to be afforested:- Afforestation will be carried out 07.50 Hectare in Kuthar DPF (4.00 Hect. & Khabbar DPF 3.50 Hect.).

2. Description of area:-

I)	Whether the site selected for Compensatory Afforestation is a land bank or not.	Yes
II)	If the C.A. Site is other than the land bank, reasons be given.	N.A.
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.
IV)	Soil Type.	Clayey loam
V)	a) Topography: Hilly/undulating/Plain.	Hilly
	b) Slope: Steep/Medium/Gentle.	Medium
VI)	Whether the area is bearing any root stock of vegetation.	No

3. Plantation Model:- Departmental

Copy of the approved Compensatory Afforestation Scheme/Modelshowing component wise physical and financial break up is enclosed.

P.T.O.



5. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

a) General Details.	The land bank identified in Kuthar & Khabbar DPF 7.50 Hectare (Total Kuthar 4.00 & Khabbar 3.50 = 7.50 Hectare) is blank patches where coniferous species will be planted at the pit size 30cmx30cmx30cm and broad leaf at pit size 45cmx45cmx45cm with inward slope. The area will be protected by 4 stand barbed wire fencing with R.C.C. fence posts.
b) Spacing.	3.00m x 3.00m from plant to plant.
c) Species.	Conifer:- Deodar & Kail Broad Leave:- Ban, Walnut , Chulli, Aadu & Kainth
d) Plantation Method.	Contour Planting.
e) Soil and Moisture Conservation Works.	Contour Trenches with in the plantation area, check walls / protection walls, check dams as per site requirement.
f) Protection (Fencing, Watchman, People's Participation etc.).	Fencing, Watch & Ward.
g) Proposed Monitoring Mechanism.	Department.
h) Any other information.	NIL.


Deputy Conservator of Forests,
Bharmour Forest Division
Bharmour Chamba (H.P.)
Bharmour

**REVISE COST COMPENSATORY AFFORESTATION SCHEME FOR THE DIVERSION OF 3.7463 HECT. FOREST LAND FOR CONSTRUCTION OF GHATOR TOP SHEP (4.98MW)
TEHSIL BHARMOUR IN JURISDICTION OF BHARMOUR FOREST DIVISION**

Norms of plantation and maintenance of old plantation for Non-Tribal and Tribal Areas for the year 2025-26 applicable vide Pr.CCF (HoFF) H.P. Shimla memo.No.Ft.State
CAMPA/2010/Norms/Vol.III dated 25.06.2024.

Total area diverted in hectare				3.7463 Hac.								
Area proposed for compensatory afforestation.				3.7463x2= 7.4926 or Say 7.50 Hectares								
Name of proposed plantation area				Kuthar DPF (4.00 Hac.) & Khabbar DPF (3.50 Hac.)								
Plants to be planted per Hectare				1100								
Total number of plants to be planted.				8250								
Year of Execution (Tentative)				2027-28								
Species to be planted				Deodar, Kail and OBL Species								
Particulars of works	Area in Ha.	Cost Norm per Ha. for the FY 2025-26 for Plantation/ Maintenance	Total Plantation / Maintenance Cost	Plants to be planted per Ha.	Total no. of plants to be planted	Nursery cost per plant	Total Nursery Cost	Total Plantation cost + Total nursery cost (Col 3+7)	Year of Execution of Works	Cost Escalation taking 10 % for each subsequent year	Escalated Cost	Total Amount (Col. 8+11)
	1	2	3	4	5	6	7	8	9		11	12
Initial cost for raising compensatory afforestation over an area of 7.50 ha.	7.50	124000	930000	1100	8250	33.94	280005	1210005	2027-28	10%	121001	1331006
Soil & Moisture Conservation Works @ 25% of Planting Cost												332751
Total - A												1663757
Ist year maintenance	7.50	15200	114000	330	2475	33.94	84002	198002	2028-29	20%	39600	237602
2 nd year maintenance	7.50	10200	76500	220	1650	33.94	56001	132501	2029-30	30%	39750	172251
3rd year maintenance	7.50	5300	39750	110	825	33.94	28001	67751	2030-31	40%	27100	94851
4th year maintenance	7.50	5300	39750	110	825	33.94	28001	67751	2031-32	50%	33875	101626
5th year maintenance	7.50	5300	39750	110	825	33.94	28001	67751	2032-33	60%	40650	108401
6th year maintenance	7.50	5300	39750	110	825	33.94	28001	67751	2033-34	70%	47425	115176
7th year maintenance	7.50	5300	39750	110	825	33.94	28001	67751	2034-35	80%	54200	121951
8th year maintenance	7.50	5300	39750	110	825	33.94	28001	67751	2035-36	90%	60975	128726
8th year maintenance	7.50	5300	39750	110	825	33.94	28001	67751	2036-37	100%	67751	135501
10th year maintenance	7.50	5300	39750	110	825	33.94	28001	67751	2037-38	110%	74526	142276
Total-B												1358360
Total - A+B												3022117
Add Contingencies Charges @ 5 %												151106
Sub Total												3173223
Add Departmental Charges of Supervision @ 17.5 %												555314
Grand Total												3728537


 Deputy Conservator of Forests
 Bharmour Forest Division
 Bharmour Charba (H.P.)