



OFFICE OF DEPUTY CONSERVATOR OF FORESTS,
KINNAUR FOREST DIVISION, AT RECKONG PEO,
HIMACHAL PRADESH FOREST DEPARTMENT
(E-mail: -divisionkinnaur@gmail.com) Phone No. 01786-22195



CHECK LIST SERIAL NUMBER- 18

Save Forests from Fire

Comprehensive CA Scheme

Detail scheme for compensatory afforestation to be carried out **9.60 ha.** in lieu of 4.80 ha. of Forest land to be diverted for the construction of Bhaba Mud Sagnam Attergoo road under FCA 1980 within the jurisdiction of Kinnaur Forest Division, Distt. Kinnaur H.P

Details of degraded forest land/non forest land:-

District:- Kinnaur Village -Kafnoo

Tehsil, Nichar, Distt. Kinnaur

Name of Forest Division:- Kinnaur Forest Division

Block No. Compartment No. Homesut

/Survey Sheet No.H44A2, Scale: 1: 50.000

Area to be afforested: 9.60 ha.

1. Description of area:-

- Whether the sites selected for compensatory afforestation is a land bank or not:- Yes
- If the CA site is other than the land bank, reasons be given :- Not applicable
- In case of non forest area identified from A, then what is the distance of CA site from the adjoining forest boundary :- Not applicable
- Soil type:- Clayey loam
- Topography :- a. Hilly/undulating/plain
b. Slop: Steep/ Medium/Gentle.
- Whether the area is bearing any root stock of vegetation:- No.

1. Plantation Model:-

Copy of the approved compensatory afforestation scheme / model showing component wise physical and financial breakup is enclosed.

2. Schedule of plantation programme:-

3. Detail of year wise breakup of requirement of funds is as under:-

Year	Area	Rate/ ha. including 10% enhancement	Total
0 Years	3.2414	123640	1186944
1 st year maintance	3.2414	17040	163584
2 nd year maintance	3.2414	12480	119808
3 rd year maintance	3.2414	6860	65856
4 th year maintance	3.2414	7350	70560
5 th year maintance	3.2414	7840	75264
6 th year maintance	3.2414	8330	79968
7 th year maintance	3.2414	8820	84672
8 th year maintance	3.2414	9310	89376
9 th year maintance	3.2414	9800	94080
10 th year maintanc	3.2414	10290	98784
		Total=	2128896
Contingency Charges on amount of CA scheme @ 5%			106445
Departmental Charges on amount of CA scheme @ 17.5%			372557
Grant Total:			2512098

4. **Technical details: -**

Technical details of compensatory afforestation scheme are as follows: -

(a) **General Details:** - An area of 9.60 ha. will be taken up for planting under compensatory afforestation scheme in a single patch. The area will be protected by Brabed wire fencing and a mixture of conifer and broad leave species will be planted 1100 plants will be planted per hectare.

(b) **Spacement:-** 3.00mtr x3.00 mtr.

(c) **Species** conifer and broad leave species

(d) **Plantation method:** - Nursery grown on and half year-old plants of Broad leaves and two and half year old Chilgoza plants (in polythene bags) will be planted in 90x90x90 cm pits in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years and which beating up of failures will be done.

(e) **Soil Moisture Conservation works:** - Contour trenching will be done over the entire areas 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 be done where ever required.

(f) **Protection (fencing, Watchman, people's participation etc.)** Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation. Further watch and ward as also for protection will be ensured through regular departmental staff.

(g) **Proposed monitoring Mechanism:** - The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will be monitored by GOI representatives as per instructions.

(h) **Any other information:** - Nil



Deputy Conservator of Forests,
Kinnaur Forest Division, Distt. Kinnaur H.P.



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COMPENSATORY AFFORESTATION (CA) SCHEME

Save Forests from Fire

Reference: Observations of the 74th REC dated 31.01.2025

Project Name: [Bhaba Mud Sangnam Attergoo Road]

Location of CA Site: [Insert CA Site Details]

Parameter	Details
Latitude & Longitude	[31*39.487N [31*39.516"N [31*39.481"N [31*39.400"N] [78*0.424E [78*0.589] E [78*0.656."E [78*0.657"E
Elevation	[2380] meters above sea level
Aspect	[Mention direction, e.g., North-facing/South-facing] (South-facing)
Soil Depth	More than[10.5] cm
Soil Type	[Sandy/Loamy/Clayey, etc.] Loamy Soil.
Area Dimensions	[810 mtr. length, breadth 120.5mtr., and total area]=9.80 hac.
Existing Vegetation	[Pine, Fir, Apricot, & native species of apple Tress]
Land Status	[Forest land/Revenue land/Panchayat land] Forest land.

Soil & Moisture Conservation Measures

Measure	Details
Contour Trenches	To prevent soil erosion and enhance water retention
Check Dams	Small stone or brushwood structures to reduce runoff velocity
Mulching	Use of organic matter to retain soil moisture
Plantation Pits	Properly dug with a mix of soil and organic manure for better plant survival.

Measure	Details
Water Harvesting Structures	Small ponds or tanks for rainwater conservation

Plantation Plan

Parameter	Details
Total Area for Afforestation	[9.60] ha
Number of Saplings to be Planted	[1100] per hec.
Plantation Density	[1100] plants per hectare
Species Selected	[Conifer 1], [Mixed Broad Leaves 2], [0- 3], [0- 4]
Justification for Species Selection	Species chosen based on ecological suitability, survival rate, and biodiversity benefits.
Nursery Source	[Nursery Near Forest Rest House Sangla of saplings]
Maintenance Plan	Regular watering, protection measures, and survival assessment

Photographic Evidence of Site Inspection

Type	Details
Pre-Afforestation Condition	(Photographs attached)
DFO Site Inspection Photographs	(Attached)
Existing Soil & Moisture Conservation Structures	(Photographs attached) as (Annexure 1+2)

Budget & Timeline

Component	Cost (₹)
Site Preparation	[470400]
Plantation	[716544]
Maintenance	[941952]

Component	Cost (₹)
Soil Conservation Measures	[372557]
Total Estimated Cost	[2501453]
Timeline	Details
Start Date – End Date	[29 Nov 2025 , 1145 HRS.]
Monitoring Plan	Periodic inspections and reporting at 6-month intervals

Approval & Recommendations

The revised CA Scheme has been prepared in accordance with the REC recommendations and is submitted for approval.

Divisional Forest Officer

Kinnaur Forest Division

Date: [Insert Date]

Attachments:

1. Site Inspection Photographs
2. Detailed Maps with Coordinates
3. Budget Breakup Sheet
4. Previous CA Plan (if applicable) NA

This document ensures compliance with the REC observations and provides a comprehensive framework for successful compensatory afforestation implementation.



D.C.F. Kinnaur,
Kinnaur Forest Division R/Peo



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Cost of Compensatory Afforestation (CA) Scheme over 9.60 hac. in lieu of 4.80 proposed for diversion of Forest land for the construction Bhaba Mud Sangnam Attergoo road in Tehsil Nichar, within the jurisdiction of Kinnaur Forest Division, Distt- Kinnaur, Himachal Pradesh. Online (FCA Proposal No. FP/HP/ROAD/139911/2021). (Rate is calculated on the basis of revised norm circulated by the Pr. CCF. Of Forests, (HoEF) H.P. vide His Office letter No. CMPA/2010/Norm/Vol.III Dated 19 JUNE 2023- w.e.f. 01.4.2023P w.e.f. 01.4. 2023)

Area proposed to be diverted.	4.80 hac.				
Area proposed to be planted.	9.60 hac.				
Area proposed to be plantation.	Homesut 9.60 hac. (Kafnoo Beat, Katgoan Range,)				
Species to be planted	Conifer & Broad leave species.				
Particulars of works.	Unit cost at wage structure for 2024-25 onwards	Year of execution of works 2025-26	Cost escalation	Unit cost after applying cost escalation	Total amount.
Initial cost for raising Compensatory Afforestation (CA) Scheme over 9.60 hac. in lieu of 4.80 hac.	112400	2025-26	10%	123640	1186944
1 st year maintenance	14200	2027-28	20%	17040	163584
2 nd year maintenance	96200	2028-29	30%	12480	119808
3 rd year maintenance	4900	2029-30	40%	6860	65856
4 th year maintenance	4900	2030-31	50%	7350	70560
5 th year maintenance	4900	2031-32	60%	7840	75264
6 th year maintenance	4900	2032-33	70%	8330	79968
7 th year maintenance	4900	2033-34	80%	8820	84672
8 th year maintenance	4900	2034-35	90%	9310	89376
9 th year maintenance	4900	2035-36	100%	9800	94080
10 th year maintenance	4900		110%	10290	98784
Total					2128896
Contingencies Charges @ 5% of the total cost of CA					106445
Departmental Charges @ 17.5% of the total cost of CA					372557
Total CA including Contingencies Charges @ 5%+Departmental Charges @ 17.5%					2512098
G. Total:					2512098

Deputy Conservator of Forests,
Kinnaur Forest Division, Reckong Peo, H.P.



Cons. Conservator of Forests
Kinnow Forest Division, Feroze P.S.



Deputy Conservator of Forests,
Kinnaur Forest Division of R/Pee H.P.