

CHECK LIST SERIAL NUMBER 17

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed Scheme for Compensatory Afforestation to be carried out in lieu of 02-43-03 hectare for diversion of Forest Land for Construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah, Tehsil Chopal in the jurisdiction of Chopal Forest Division Distt. Shimla HP.

1. Detail of degraded forest land/ Non- Forest land

Village	Bamta
Tehsil	Chopal
District	Shimla, H.P.
Forest Division	Chopal Forest Division
Forest Range	Bamta
Block No./Compartment No./Survey No. 53F/12	DPF Churtha of Beat Matal, Block Matal, Bamta Range, Chopal Division Distt. Shimla HP.
Area to be afforested	4.9000 Hectare

2. Description of the Area

i)	Whether the site selected for Compensatory Afforestation is a land bank or not	Yes, the selected area is a proposed land bank
ii)	If the CA site is other than the land bank, reasons be given	NA
iii)	In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary	NA
IV)	Soil type	Clayey loam
v)	Topography a) Hilly / Undulating /Plain b) Slope: Steep/Medium/Gentle	a) Hilly b) Medium
vi)	Whether the area is bearing any root stock of vegetation.	No

3. Plantation Model

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

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Bill for compensatory afforestation scheme over 02-43-03 hectare forest land for construction of road from Bamta Kainchi to Mamuvi (Shangroli) via Jagrah km. 0/0 to 5/355, within the jurisdiction of Chopal forest division District Shimla HP.

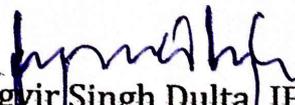
Area proposed for compensatory afforestation in hac.								02-90-00 ha.				
Name of the proposed plantation area								DPF Churtha				
Total No. of plants to be planted								12397				
Rate per plant								32/-				
Plants to be planted per hectare								1100				
Particulars of works	Area in Ha.	Unit cost at wages structure per ha. for 2024-25 including plants cost	Total Amount Col 2x3	No. of plants planted 1 ha.	Total No. of plants planted (2X5)	Total amount of plants @ 28 of each plant	Total amount (Unit cost+Plant Cost (4+7)	Year of execution of works	Cost escalation %	Amount of cost escalation.	Total amount (Col. 8+11)	
1	2	3	4	5	6	7	8	9	10	11	12	
Initial cost CA over an area of CA	4.9000	103900	509110	1100	5390	172480	681590	2025-26	10%	68159	749749	
1St year Maintenance	4.9000	12100	59290	330	1617	51744	111034	2026-27	20%	22207	133241	
2nd year Maintenance	4.9000	8200	40180	220	1078	34496	74676	2027-28	30%	22403	97079	
3rd year Maintenance	4.9000	4200	20580	110	539	17248	37828	2028-29	40%	15131	52959	
4th year Maintenance	4.9000	4200	20580	110	539	17248	37828	2029-30	50%	18914	56742	
5th year Maintenance	4.9000	4200	20580	110	539	17248	37828	2030-31	60%	22697	60525	
6th year Maintenance	4.9000	4200	20580	110	539	17248	37828	2031-32	70%	26480	64308	
7th year Maintenance	4.9000	4200	20580	110	539	17248	37828	2032-33	80%	30262	68090	
8th year Maintenance	4.9000	4200	20580	110	539	17248	37828	2033-34	90%	34045	71873	
9th year Maintenance	4.9000	4200	20580	110	539	17248	37828	2034-35	100%	37828	75656	
10th year Maintenance	4.9000	4200	20580	110	539	17248	37828	2035-36	110%	41611	79439	
			Total		12397						1509661	
											Contingencies charges @ 5%	
											75483	
											Total	
											1585144	
											Departmental Charges 17.50%	
											277400	
											G. Total	
											1862544	


 (Jangvir Singh Dulta, IFS)
 Deputy Conservator of Forests,
 Chopal Forest Division Chopal

5. Technical Details:

Technical details of Compensatory Afforestation Scheme are as follows:

- a) General Details: An area of **4.9000** hectare will be taken up for planting under Compensatory Afforestation scheme in a single compact patch (**DPF Churtha**) which is proposed land bank. The area will be protected by RCC Fence Post with five strands of Barbed wire fencing and a mixture of conifer and broad leaved species will be planted 12397 plants over the period of 10 years.
- b) Spacement 3 mtr x 3 mtr.
- c) Species: *Cedrus deodara*, *Easculus indica*, *Juglans regia*, *Alnus nitida*, *Robinia*, *Pseudoacacaia* & *Pinus roxburghi*, etc.
- d) Plantation Method: Nursery grown 2.5 year old pants (in Polythene bags as well as naked root) will be planted in 30 x 30 x 30 cm, 45 x 45 x 45 cm and 60 x 60 x 60 cm pits/patches in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent ten years in which beating up of failures will be done. The plantation will be rain-fed.
- e) Soil and Moisture Conservation works.
- f) Protection (Fencing, Watch man, People's Participation etc.): -Area will be protected from grazing by erecting RCC fence Post with barbed wire fencing at all vulnerable places around the plantation. Further watch and ward and also fire protection will be ensured through regular departmental staff patrolling.
- g) 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 plantation site will be suitable DPF Churtha.


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Chopal Forest Division, Chopal