

CHECK LIST SERIAL NUMBER 17

“SCHEME FOR COMPENSATORY AFFORESTATION”

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 0.9498 hectare for diversion of Forest Land for C/o Govt. Degree College at Chopal in the jurisdiction of Chopal Forest Division.

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

Village	Ghichna
Tehsil	Chopal
District	Shimla, H.P.
Forest Division	Chopal Forest Division
Forest Range	Chopal
Block No./Compartment No./Survey No. 53F/9/NW	UPF Dhurla Jubber Beat, Marog Block, Chopal Range, Chopal Division
Area to be afforested	1.8996 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 enclose.

CHECK LIST SERIAL NO:- 17

Bill for compensatory afforestation scheme over 01-89-96 ha of Forest land in lieu of diversion of 00-94-98 ha for the construction of Govt. Degree College at Chopal, within the jurisdiction of Chopal Forest Division District Shimla HP.


Area proposed for compensatory afforestation								01-89-96 Hectare				
Name of the proposal planting area								UPF Dhurla				
Plants to be planted per ha.								1100				
Total No. of plants to be planted								4806				
Rate per plant								28/-				
Species to be planted								Deodar and Ban				
Particulars of works	Area in Ha.	Unit cost at wages structure per ha. for 2023-24 including	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 execution.	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	1.8996	94500	179512	1100	2090	58508	238020	2023-24	10%	23802	261822	
1St year Maintenance	1.8996	11400	21655	330	627	17552	39207.7	2024-25	20%	7842	47049	
2nd year Maintenance	1.8996	7700	14627	220	418	11702	26328.5	2025-26	30%	7899	34227	
3rd year Maintenance	1.8996	3900	7408.4	110	209	5851	13259.2	2026-27	40%	5304	18563	
4th year Maintenance	1.8996	3900	7408.4	110	209	5851	13259.2	2027-28	50%	6630	19889	
5th year Maintenance	1.8996	3900	7408.4	110	209	5851	13259.2	2028-29	60%	7956	21215	
6th year Maintenance	1.8996	3900	7408.4	110	209	5851	13259.2	2029-30	70%	9281	22541	
7th year Maintenance	1.8996	3900	7408.4	110	209	5851	13259.2	2030-31	80%	10607	23867	
8th year Maintenance	1.8996	3900	7408.4	110	209	5851	13259.2	2031-32	90%	11933	25192	
9th year Maintenance	1.8996	3900	7408.4	110	209	5851	13259.2	2032-33	100%	13259	26518	
10th year Maintenance	1.8996	3900	7408.4	110	209	5851	13259.2	2033-34	110%	14585	27844	
			Total		4806						528727	
					Contingencies charges @ 5%							26436
					Total						555163	
					Departmental Charges 17.50%							97154
					G. Total							652317


 (Ankit Kumar Singh 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 **01-89-96** hectare will be taken up for planting under Compensatory Afforestation scheme in a single compact patch (**UPF Dhurla**) 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 **4806** 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*, *Pseudoacacia* & *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 **UPF Dhurla**.


(Ankit Kumar Singh, IFS)
Deputy Conservator of Forests,
Chopal Forest Division, Chopal