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CHECK LIST SERIAL NUMBER-17
SCHEME FOR COMPENSATORY AFFORESTATION.

Detail scheme for Compensatory Afforestation to be carried out in lieu of 0.9486 ha. additional forest land for Luhri HEP Stage -1 (210MW) Bithal Shimla for the construction of approach road for Moin Quarry site UNDER SECTION 2 OF FCA,1980 H.P within the jurisdiction of Ani Forest Division.

1. Details of degraded forest land/non forest land:- 1/19 Lamidhar =1.9 hac.
 District:- Kullu. Tehsil :- Ani.
 Name of Forest Division :- Ani Range: - Chowai
 Block/Compartment/Survey No: H43F7
2. Description of area:-
 - 1) Whether the site selected for Compensatory Afforestation is a land bank or not:- Yes
 - 2) If the CA site is other than the land bank, reasons be given:- Not applicable.
 - 3) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:- Not applicable.
 - 4) Soil type:- Clayey loam/Sandy.
 - 5) Topography :- a. Hilly/undulating. b. Slope: Steep/Medium/Gentle.
 - 6) Whether the area is bearing any root stock of vegetation:- No.

3. **Plantation Model:-**

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

4. **Schedule of plantation programme:-**

Detail of year wise break-up of requirement of funds is as under:-

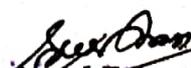
Particulars of works	Unit cost at wage structure for 2019-20 onwards	Year of execution of works	Cost escalation	Unit cost after applying cost escalation	Total amount
Initial cost for raising compensatory afforestation over an area of 4 hectare with 4 stand barbed wire in RCC fence post and cost of plants @ 19.78/- for raising nursery	90300	2020-21	10%	99330	188727
1 st year maintenance	13000	2021-22	20%	15600	29640
2 nd year maintenance	9500	2022-23	30%	12350	23465
3 rd year maintenance	4850	2023-24	40%	6790	12901
4 th year maintenance	4850	2024-25	50%	7275	13822
5 th year maintenance	4850	2025-26	60%	7760	14744

6 th year maint.	4850	2026-27	70%	8245	15665
7 th year maint.	4850	2027-28	80%	8730	16587
8 th year maint.	4850	2028-29	90%	9215	17508
9 th year maint.	4850	2029-30	100%	9700	18430
10 th year maint.	4850	2030-31	110%	10185	19352
				Total =	370841
				Departmental charges @ 17.5% =	64897
Sub Total					435738
				Contingencies @ 5% =	18542
				G. Total =	454280

5. **Technical details:-**

Technical details of Compensatory Afforestation scheme are as follows:-

- (a) General details: - An area of the 90 ha. will be taken up for planting under Compensatory Afforestation scheme in land banks having 4 compact patches. The area will be protected by Barbed wire fencing in RCC fence posts in four strands and a mixture of conifer and broad leaved species will be planted. 1500 plants will be planted per hectare.
- (b) Spacement:- 3 mtr X 3 mtr
- (c) Species:- Chill & BL species.
- (d) **Plantation Method:-** Nursery grown 1½ to 2½ year old plants (in Polythene bags as well as naked root) will be planted in 30 X 30 X 30 cm and 45 X 45 X 45 cm pits in the selected area. Bush cutting will be done only in the infested area. The plantation will be maintained for subsequent 10 years in which beating up of failures will be done. The plantation will be rainfed.
- (e) **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 be done where ever required.
- (f) **Protection (Fencing, Watch man, 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 fire protection will be ensured through regular department staff.
- (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 approachable from motorable roads.
- (h) **Any other information: - Nil**


 Divisional Forest Officer
 Forest Division at Luhri.
 at Luhri