

CHECK LIST No. 18**"SCHEME FOR COMPENSATORY AFFORESTATION"**

Detail scheme for Compensatory Afforestation to be carried out in lieu of 0.86 Hectare of forest area to be diverted for the Construction of Link road from Nadal to village Jutrahan KM. 0/0 to 7/0 to be constructed by HPPWD Division Salooi in District Chamba (HP). Afforestation will be done 7.354 hectares i.e. double the forest land area to be diverted.

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

a) District	Chamba
b) Village	Nadal-II DPF
c) Tehsil	Salooni
d) Name of forest Division	Churah
e) Range	Forest Range Bhalei
f) Block / Compartment / Survey No.	43P-14/NE
g) Area to be afforested	7.354 Ha.

2. Descriptions of Area:

i) Whether the site selected for Compensatory Afforestation is a land Bank or not :

Yes. The selected site is a land bank.

ii) If the CA site is other than the land bank reason be given :

Not applicable as the site selected is land bank.

iii) In case of non-forest area identified for CA, than what is the distance of CA site from adjoining forest boundary:

Not applicable as the site selected is a forest area.

iv) Soil Type : **Clayey Loam**

v) Topography "a" Hilly/Undulating/Plain.
"b" Slope: Steep/Medium/Gentle.

**Hilly
Medium**

vi) Whether the area is bearing any roote stock of vegetation :

No

3. Plantation Model:

Copy of the approved Compensatory afforestation scheme /Model showing competent wise physical and financial breakup to be enclosed.

4. Schedule of Plantation Programme:-

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

Year	Area/Qty. (In Ha)	Rate per Ha. (NT)	Nursery cost per ha, (NT)	Total rate (NT)	Total amount
0 years	7.354	78600	24285	102885	756616
@ 25% planting cost					189154
1st year maintenance of plantation	7.354	8350	7286	15636	114987
2nd year maintenance of plantation	7.354	5630	4857	10487	77121
3rd year maintenance of plantation	7.354	2915	2429	5344	39300
4th year maintenance of plantation	7.354	2915	2429	5344	39300
5th year maintenance of plantation	7.354	2915	2429	5344	39300
6th year maintenance of plantation	7.354	2915	2429	5344	39300
7th year maintenance of plantation	7.354	2915	2429	5344	39300
8th year maintenance of plantation	7.354	2915	2429	5344	39300
9th year maintenance of plantation	7.354	2915	2429	5344	39300
10th year maintenance of plantation	7.354	2915	2429	5344	39300
					1452279
Add5% escalation charges					72614
Departmental Charges @ 17.50%					254149
Contingencies 5% of Total CA					72614
			GRAND TOTAL		1851655

5. Technical details :-

Technical detail of compensatory afforestation scheme are as follows :-

(a) **General Details:-** An area of 7.354 ha. will be taken up for planting under compensatory afforestation scheme in Nadal-II DPF. The area will be provided by Barbed wire fencing and mixture of conifer and broad leaved species will be planted. 1500 plants will be planted per hectare.

(b) **Spacement :-** 2.5 x 2.5 Mtrs.

(c) **Species :-** Chil, Ban and other broad leaved.

(d) **Plantation method:-** Nursery grown two and a half year old plants of Ban (in polythene bags) will be planted in 30x30x30cm. pits in the selected area. One year old Chil and Robinia poly plants will also be planted in 30x30x30 cm. pits. Bush cutting will be done 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.

- a. **Soil and Moisture Conservation :-** 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 work like gully plugging, check wall will be done where ever required.
- b. **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 departmental staff.
- c. **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.
- d. **Any other information :-** Nil

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Salooni