

## CHECK LIST SERIAL NUMBER-17

**Full Title of the Project:-**    **Diversion of 0.8146 hectare forest land for the construction of link road Ghyan Raika Via Keharal Km 0/00 to 1/945.**

### **SCHEME FOR COMPENSATORY AFFORESTATION**

Detailed scheme for Compensatory afforestation to be carried out in lieu of 0.8146 Ha. of forest area to be diverted for the construction of link road Ghyan Raika via Kehral Distt. Shimla HP.

#### **Detail of Degraded forest Land/Non Forest Land**

District: <b>Shimla</b>	Block/Beat	<b>Mandal</b>
Tehsil: <b>Jubbal</b>	Range	<b>Sarswati Nagar</b>
Forest/Compartment No./Survey No:	<b>UPF Kharshal</b>	
Area to be Afforested:	<b>1.94</b>	

#### **1. Description of Area:**

- i. Whether the site selected for compensatory a forestation is a land bank or not :Yes
- ii. If the CA site is other than the bank reason are given: CA has been proposed in the identified land bank.  
In case of non –forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:-
- iii. Soil Type : Clayey Loam
- iv. Topography: A Hilly  
B Slop: Medium
- v. Whether the area is being any root stock of vegetation :-No

2. **Plantation Model:** Copy of the approved Compensatory afforestation scheme/ model showing component wise physical and financial break up is enclosed.

#### **3. Schedule of Plantation Programme:-**

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

Title of the Project:- Diversion of 0.8146 ha of forest land in favor of HPPWD for the construction of link road from Ghyana Raika via Kehrul (Km 0/00 to 1/945) Distt. Shimla HP

CA Scheme

Area proposed for CA		1.94									
Rate per plant		22									
Plantation		UPF Kharshal									
Plant to be planted per ha		1100									
Yer	Area in (ha)	Unit cost at wage structure per Ha for 2020-2021	Total amount (col. 2*3)	No. of plants planted in 1 Ha	Total No. of plants Planted (col. 2*5)	Total amounts of plants (Col. 6*22)	Total amounts of {Unit cost +Plant cost (4+7)}	Year of execution of work	Cost of escalation	Amount of Cost escalation	Total amount (4+7+11)
1	2	3	4	5	6	7	8	9	10	11	12
0 Year Plantation	1.94	89800	174212	1100	2134	46948	221160	2020-21	10%	22116	243276
1" Year Maintenance	1.94	10600	20564	330	641	14102	34666	2021-22	20%	6933.2	41599.2
2" Year Maintenance	1.94	7100	13774	220	427	9394	23168	2022-23	30%	6950.4	30118.4
3" Year Maintenance	1.94	3700	7178	110	214	4708	11886	2023-24	40%	4754.4	16640.4
4" Year Maintenance	1.94	3700	7178	110	214	4708	11886	2024-25	50%	5943	17829
5" Year Maintenance	1.94	3700	7178	110	214	4708	11886	2025-26	60%	7131.6	19017.6
6" Year Maintenance	1.94	3700	7178	110	214	4708	11886	2026-27	70%	8320.2	20206.2
7" Year Maintenance	1.94	3700	7178	110	214	4708	11886	2027-28	80%	9508.8	21394.8
8" Year Maintenance	1.94	3700	7178	110	214	4708	11886	2028-29	90%	10697.4	22583.4
9" Year Maintenance	1.94	3700	7178	110	214	4708	11886	2029-30	100%	11886	23772
10" Year Maintenance	1.94	3700	7178	110	214	4708	11886	2030-31	110%	13074.6	24960.6
Total											4,81,398
Contingency 5%											24,070
Total											5,05,467
Departmental Charges 17.5%											85,929
G.Total											5,91,397

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#### 4. Technical Details:

Technical Details of Compensatory afforestation Scheme are as follows:-

- (a) **General Details:** an area of **1.94 hectare** will be taken up for planting under compensatory afforestation scheme in **UPF Kharshal**. The area will be protected by barbed wire fencing and a mixture of conifer and board leaved species will be planted. 1100 plants will be planted per Hec.
- (b) **Spacement:** 03 Mtr x 0.3 Mtr.
- (c) **Species** : Broad leaf species-  
Robinia, Khanor, Akhrot, Chuli Behmi.
- (d) **Plantation Method:** Nursery grown one year old plants (in Polythene bags as well as naked root) will be planted in 30x30x30 cm and 45x45x45 cm pits in the selected area. 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 rain fed.
- (e) **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 fire protection will be ensured through regular departmental staff.
- (f) **Proposed Monitoring Mechanism:** The plantation will be monitored as per existing monitoring mechanism by GOI representatives as per instruction. The plantation site will be approachable.
- (g) **Any other information** : Nil

  
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