

CHECK LIST SERIAL NUMBER-17

Full Title of the Project:-

**WIDENING & STRENGTHENING TO DOUBLE LANE OF
POANTA-RAJBAN-SHILAI-MINUS-HATKOTI ROAD, PORTION SNAIL TO HATKOTI
FROM RD 149/00 TO 161/715 NH-707 DISTT. SHIMLA HP.**

File No: FP/HP/ROAD/146729/2021

Date of proposal: 02/09/2021

SCHEME FOR COMPENSATORY AFFORESTATION

Detailed scheme for Compensatory afforestation to be carried out in lieu of 5.368 Ha. of forest area to be diverted for Widening & Strengthening to Double Lane of Poanta-Rajban-Shilai-Minus-Hatkoti Road, Portion Snail to Hatkoti from RD 149/00 to 161/715 NH-707 Distt. Shimla HP

Detail of Degraded forest Land/Non Forest Land

District: Shimla	Block/Beat	Mandal
Tehsil: Jubbal	Range	Sarswati Nagar
Forest/Compartment No./Survey No:	UPF Sheroli	
Total Area proposed for CA	12.5	
Area to be Afforested:	10.8 Ha.	

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

2. Schedule of Plantation Programme:-

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

Reclamation Plan for Muck Dumping

Name of Project:- **Diversion of forest land for the widening and strengthening to double lane of**
Poanta-Rajban-Shilai-Minus-Hatkoti road 0/00 to 3/360.

Plantation Scheme:-

Area Proposed for CA	12.5
Afforested area	10.8
Plantation Scheme:-	UPF Sheroli
Rate Per Plant	22/-
Plant to be planted per hect.	1100

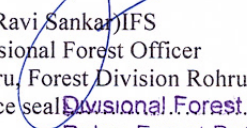

Year	Area in (ha)	Unit cost at wage structure per Ha for 2022-23	Total amount (col. 2*3)	No. of plants planted in 1 Ha	Total No. of plants Planted (col. 2*5)	Total amounts of plants (Col. 6*22)	Total amounts {Unit cost +Plant cost (4+7)}	Year of execution of work	Cost of cost escalation	Amount of Cost escalation	Total amount (4+7+11)
1	2	3	4	5	6	7	8	9	10	11	12
0 Year Plantation	10.8	94500	1020600	1100	11880	261360	1281960	2024-25	10%	128196	1410156
1 st Year Maintenance	10.8	11400	123120	330	3564	78408	201528	2025-26	20%	40305.6	241833.6
2 nd Year Maintenance	10.8	7700	83160	220	2376	52272	135432	2026-27	30%	40629.6	176061.6
3 rd Year Maintenance	10.8	3900	42120	110	1188	26136	68256	2027-28	40%	27302.4	95558.4
4 th Year Maintenance	10.8	3900	42120	110	1188	26136	68256	2028-29	50%	34128	102384
5 th Year Maintenance	10.8	3900	42120	110	1188	26136	68256	2029-30	60%	40953.6	109209.6
6 th Year Maintenance	10.8	3900	42120	110	1188	26136	68256	2030-31	70%	47779.2	116035.2
7 th Year Maintenance	10.8	3900	42120	110	1188	26136	68256	2031-32	80%	54604.8	122860.8
8 th Year Maintenance	10.8	3900	42120	110	1188	26136	68256	2032-33	90%	61430.4	129686.4
9 th Year Maintenance	10.8	3900	42120	110	1188	26136	68256	2033-34	100%	68256	136512
10 th Year Maintenance	10.8	3900	42120	110	1188	26136	68256	2034-35	110%	75081.6	143337.6
Total											2,783,635
Contingency 5%											139,182
Total											2,922,817
Departmental Charges 17.5%											496,879
G.Total											3,419,696


 Divisional Forest Officer
 Rahtu Forest Division Rahtu

3. **Technical Details:**

Technical Details of Compensatory afforestation Scheme are as follows:-

- (a) **General Details:** an area of **10.8 hectare** will be taken up for planting under compensatory afforestation scheme in **UPF Sheroli**. The area will be protected by barbed wire fencing and a mixture of conifer and broad leaf species will be planted. 1100 plants will be planted per Hec.
- (b) **Spacing:** 03 Mtr x 0.3 Mtr.
- (c) **Species** : Cedrus deodara, robinia pseudoacacia, Melia azaderach, Juglans regia etc.
- (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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