

### Model Compensatory Afforestation Scheme

**Full Title of the Forest Land Diversion Project:** Construction of road from Manga to Sananpaida via Khudwan Pallian Phase-I .

**File No:** FP/JK/ROAD/138477/2021

**Date of Proposal:** 27-07-2021

**Name of the Forest Division (where forest land is proposed to be diverted):** Jammu Forest Division

**Forest Area to be diverted: 0.12 Ha**

**Details of land where C.A. is to be carried out:**

Degraded forest land    Yes                      Area: 0.25 Ha

Non-forest land	No	Area: Nil
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Forest Division: Jammu District: Jammu

Range: Jammu Tehsil: Nagrota

Compartiment No:1/N Khasra No (for Non Forest land):

C.A Site (Name of location): Ban, Kalakupad      C.A Area (in Ha): 0.25 Ha

C.A Site Geo Coordinates:

Starting Point: Longitude: : 74<sup>0</sup> 56' 54.014"E      Latitude: 32<sup>0</sup> 50' 36.696"N

Ending Point: Longitude: 74° 56'54.363"E      Latitude: 32° 50'35.050"N

In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary: N/A

## I. Description of C.A Site

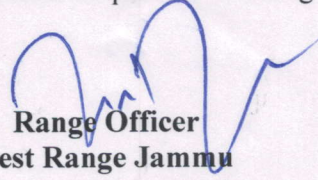
- Soil type: Sandy Quartzite
- Topography: hilly/undulating/plain : Undulating
- Slope: steep/medium/gentle: Medium
- For non forest land-description of existing vegetation/root stock and density:
- In case of degraded forest land-description of forest type and crown density: 0.1

## II. Plantation Model

S.No	Description			Rate (in Rs.)	Total Amount (in Lakhs)
		Unit	No		
<b>A</b>	<b>Cost of Afforestation</b>				
1	1 <sup>st</sup> year Cost of Afforestation		240	40.03	0.096
2	2 <sup>nd</sup> year Maintenance		60	40.03	0.024
3	3 <sup>rd</sup> year Maintenance		12	40.03	0.005
4	4 <sup>th</sup> year Maintenance		12	40.03	0.005
5	5 <sup>th</sup> year Maintenance		12	40.03	0.005
6	6 <sup>th</sup> year Maintenance		12	40.03	0.005
7	7 <sup>th</sup> year Maintenance		12	40.03	0.005
8	8 <sup>th</sup> year Maintenance		12	40.03	0.005
9	9 <sup>th</sup> year Maintenance		12	40.03	0.005
10	10 <sup>th</sup> year Maintenance		12	40.03	0.005
<b>Total</b>					<b>0.160</b>
<b>B</b>	<b>Other Afforestation Interventions (As per the requirement of the site condition)</b>				
1	Patch Sowing	No. of Patches	300	6.99	0.007
2	Planting of Grass Slips	No. of Slips	0	6.35	0
<b>Total</b>					<b>0.007</b>
<b>C</b>	<b>Fencing</b>				
1	Square PCC Post Fencing (4 Strand/ 7 Strand	Rft	1000	72.78	0.728
2	Fencing Repair	Rft	250	16.74	0.042
<b>Total:</b>					<b>0.77</b>
<b>D</b>	Site Preparation:(Cutting, Grubbing and removal of Lantana)		0.05	22904	0.012
<b>E</b>	Pruning and thinning of existing root stocks:		0	6.35	0
<b>Total:</b>					<b>0.012</b>
<b>Total C.A Charges (A+B+C+D+E)</b>					<b>0.949</b>
<b>F</b>	Supervisory/Watch & Ward/ Overhead/ Miscellaneous Charges: (10% of the C.A Charges)				0.095
<b>Grand Total:(A+B+C+D+E+F)</b>					<b>1.044</b>
<b>One Lakh Forty Four Hundred Only</b>					

**III. Technical Details:-** Technical details of Compensatory Afforestation Scheme are as follows:-

- I. **General Details:-** An area of 0.25 Ha. will be taken up for planting under Compensatory Afforestation scheme in compartment No.: 1/N in a single compact block wherein 240 no. of plants of local indigenous mixed BL species will be planted. The area will be protected by Barbed Wire fencing. Plants will be planted @1000 plants per hectare. Further the selected CA patch in Comptt. No.:1/N falls under the Rehabilitation & Reboisement working circle (SS-2) as per the existing Working Plan of the division wherein effective protection from biotic/abiotic interference and ANR is prescribed.
- II. **Plantation Method:-** Nursery grown one year old plants of Mixed species of Broadleaved and Fruit plants in Polythene bags will be planted in 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 casualties will be done. The plantation will be rain fed.
- III. **Spacing:-** 10ft x 10 ft Alignment.
- IV. **Species proposal to be planted :-** Mangifera indica, Emblica officinalis, Psidium guajava, Vitux negundo, Ziziphus jujuba, Ficus benghalensis, Pinus roxburghii etc.
- V. **Silviculture Operation:-** Tending, Cleaning, pruning and upkeep of planted and naturally regenerated saplings will be done.
- VI. **Soil and Moisture Conservation Works:-** Minor soil conservation works will be done where ever required.
- VII. **Protection (Fencing, Watch man, People's Participation etc):** Area will be protected from grazing by erecting barbed wire fencing around the plantation. Further watch and ward as also fire protection will be ensured.
- VIII. **Proposed Monitoring Mechanism:-** The plantation will be monitored as per the existing monitoring mechanism in the department.

  
Range Officer  
Forest Range Jammu

  
Divisional Forest Officer  
Jammu Forest Division  
JAMMU