

## Model Compensatory Afforestation Scheme

**Full Title of the Forest Land Diversion Project:** Construction of Road from Shumba Danga To Godder.

**File No:** FP/JK/Road/100672/2020

**Date of Proposal:** 16-01-2021

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

**Forest Area to be diverted:** 0.54 Ha.

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

**Degraded forest land** Yes                      **Area:** 1.20 Ha

**Non-forest land**                      No                      **Area:** Nil

Forest Division: Jammu                      District: Jammu

Range: Kalidhar                      Tehsil: Akhnoor

Compartment No:8/K/9/K                      Khasra No (for Non Forest land):

C.A Site (Name of location):Gour Bajouria                      C.A Area (in Ha): 1.20 Ha

C.A Site Geo Coordinates:

Starting Point: Longitude: 74<sup>0</sup> 40.282''E                      Latitude: 33<sup>0</sup> 3.044'N

Ending Point: Longitude: 74<sup>0</sup> 40.312''E                      Latitude: 33<sup>0</sup> 3.041'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**

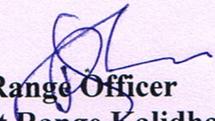
- a) Soil type: Sandy
- b) Topography: hilly/undulating/plain : Undulating
- c) Slope: steep/medium/gentle: Medium
- d) For non forest land-description of existing vegetation/root stock and density:
- e) In case of degraded forest land-description of forest type and crown density: 0.05%

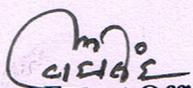
## II. Plantation Model

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		1080	40.03	0.400
2	2 <sup>nd</sup> year Maintenance		270	40.03	0.108
3	3 <sup>rd</sup> year Maintenance		108	40.03	0.043
4	4 <sup>th</sup> year Maintenance		108	40.03	0.043
5	5 <sup>th</sup> year Maintenance		108	40.03	0.043
6	6 <sup>th</sup> year Maintenance		108	40.03	0.043
7	7 <sup>th</sup> year Maintenance		108	40.03	0.043
8	8 <sup>th</sup> year Maintenance		108	40.03	0.043
9	9 <sup>th</sup> year Maintenance		108	40.03	0.043
10	10 <sup>th</sup> year Maintenance		108	40.03	0.043
<b>Total</b>					<b>0.884</b>
<b>B</b>	<b>Other Afforestation Interventions (As per the requirement of the site condition)</b>				
1	Patch Sowing	No. of Patches	500	6.99	0.035
2	Planting of Grass Slips	No. of Slips	0	6.35	0
<b>Total</b>					<b>0.035</b>
<b>C</b>	<b>Fencing</b>				
1	Square PCC Post Fencing (4 Strand/ 7 Strand	Rft	2800	72.78	2.038
2	Fencing Repair	Rft	700	16.74	0.117
<b>Total:</b>					<b>2.155</b>
<b>D</b>	Site Preparation:(Cutting, Grubbing and removal of Lantana)		0.5	22904	0.115
<b>E</b>	Pruning and thinning of existing root stocks:		0	6.35	0
<b>Total C.A Charges</b>					<b>3.189</b>
<b>F</b>	<b>Soil and Water conservation and protection measure like construction of fire lines and inspection path</b>				
1	Soil and Water Conservation (DRSM Work)		30	1099	0.330
2	Crate 20'x4'x4'		10	10000	1.000
			<b>Total</b>		<b>1.330</b>
<b>Total (A+B+C+D+E+F)</b>					<b>4.519</b>
<b>G</b>	Supervisory/Watch & Ward/ Overhead/ Miscellaneous Charges: (10% of the C.A Charges)				0.319
<b>Grand Total:(A+B+C+D+E+F+G)</b>					<b>4.838</b>
<b>Four Lakh Eighty Three Thousand Eight Hundred Only</b>					

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

- i. **General Details:-** An area of 1.20 Ha. will be taken up for planting under Compensatory Afforestation scheme in Compartment No.: 8/9/K is a single compact block wherein 1000 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 Compartment No. 8/9/K falls under the Chir improvement cum selection working circle (SS-1&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 causalities will be done. The plantation will be rain fed.
- iii. **Spacing:-** 10ft x 10 ft Alignment.
- iv. **Species proposal to the 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 like Drsm/Crate 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 Kalidhar**

  
**Divisional Forest Officer**  
**Jammu Forest Division**  
**Jammu**