

**Full Title of the Project:** - Construction of road from Bhara to Mandhir Mohalla Godha, Package No.JK04-521, Stage I & II (Combined).

**File No.:-** FP/JK/ROAD/46486/2020.

**Date of Proposal:-** 17/06/2020.

**CHECK LIST SERIAL NO:-17**

**Compensatory Afforestation**

Detailed scheme for compensatory afforestation to be carried out in lieu of use of forest land measuring 0.815 hectare for the construction of road from from Bhara to Mandhir Mohalla Godha Package No.JK04-521,Stage I & II (Combined) under PMGSY Division Doda in Forest Division Bhadarwah District Doda, Jammu & Kashmir Union Territory. Compensatory afforestation will be carried over 2.00 ha forest land .

**1. Detail of degraded forest land.**

a)	District	Doda
b)	Village	Lakridradu
c)	Tehsil	Bhadarwah
d)	Name of Forest Division	Bhadarwah
e)	Range	Kellar
f)	Scale	1:50000
g)	Block/Compartment	Block Ghuraka/14/Kellar
h)	Area to be afforested	2.00ha.
i)	Proposal No.	FP/JK/ROAD/46486/2020.

**2. Description of the area.**

a)	Whether the site selected for compensatory afforestation is a land bank or not?	Not
b)	If the CA site is other than the land bank reason be given?	The site has been proposed in adjoining vicinity to mitigate the loss of micro-ecology of the area due to construction of this proposed road.
c)	In the case of non-forest area identified for CA then what is the distance of CA site from the adjoining forest boundary?	Not applicable as the proposed/selected site is a forest land.
d)	Soil type	Loamy/rocky
e)	Topography	Hilly
f)	Slope	Steep Slope
g)	Canopy Density	30-40%
h)	Geo-reference	Enclosed

**3. Plantation Model:**

Compensatory afforestation over an area of 02.00ha.of degraded forest land is proposed to be raised. The area selected for this purpose falls under protection working Circle as per the prescription of the current working plan (2013-14 to 2023-24).

Presently the area supports scattered Deodar Kail trees. Whole of the plantation of 02.00ha will be raised in a single compact block inside the degraded forest for such purpose. The area identified for plantation has also been shown on the attached map. Plants @ 700 plants per ha. will be planted. Thus, 1500 plants under this diversion proposal will be planted on the proposed site. The species to be planted will be mainly Deodar/Kail/Fir (Cedrus deodara / Pinus wallichiana/Abies pindrow) plants. The plantation will be raised in the following year after the approval of FCA proposal and further maintenance and beating up of failures will be done for the subsequent ten years. The scheme will be implemented by the Forest Department through Divisional Forest Officer, Bhadarwah Forest Division. The financial outlay for compensatory plantation scheme is Rs.546395 Lakhs. Certificate of the DFO Bhadarwah regarding suitability of area identified for compensatory plantation is attached. The area selected for compensatory plantation will not be approachable from existing proposed road. The monitoring will be done as per existing monitoring mechanism in the Forest Department at present and also as per G.O.I. instructions.

**4. COST OF FENCING OF CLOSURES INVOLVED IN COMPENSATORY AFFORESTATION.**

Area to be diverted:- 0.81 ha.  
Degraded forest area to be covered under CA:- 02.00 ha.  
Number of trees to be felled:- 69 Tree+55 Poles+245 Saplings  
Number of plants to be planted:- 1500

(A) Location where plantation will be done:- Compartment No. 14/Kellar

S.No	Total No. of PCC Fence Forest/RFT	Rate	Total Amount
1	Cost of Fencing = 750 rft	72.78/rft	54585
2	01 No. of Sign Board	L/S	5000
3	01 No. of Gate	L/S	5000
4	Head load carriage of poles	L/S	7500
5	DRSM Work =150 Cum	1099	164850
	<b>Total</b>		<b>236935</b>

(B) Cost of plantation and 10 year maintenance:-

S.No	Item	Physical	Financial (in Lacs)
A	<b>Plantation</b>	1500	44010
1	Maintenance 1st Year	150	24646
2	Maintenance 2nd Year	150	24646
3	Maintenances 3rd Year	150	24646
4	Maintenances 4th Year	150	24646
5	Maintenances 5th Year	150	24646

6	Maintenances 6th Year	150	24646
7	Maintenances 7th Year	150	24646
8	Maintenances 8th Year	150	24646
9	Maintenances 9th Year	150	24646
10	Maintenances 10th Year	150	24646
11	Nursery Raising (Plantation+ BUC)	1500	3990
12	Transportation		5000
13	Overhead Expenses		10000
		<b>Total</b>	<b>309460</b>
		<b>G.Total A+B</b>	<b>546395</b>

**Technical details:-**

Technical details of compensatory afforestation scheme are as follows:-

- (a) **General Details:-** An area of 02.00 hectare will be taken up for planting under compensatory afforestation scheme in forest compartment No. 14/K in a single compact block. The area will be protected by using square PCC fence posts with barbed wire fencing and by planting Deodar/Kail/Fir species plants. Plants will be planted @ 700 plants per ha.
- (b) **Spacing:-** 2.50 mts x 2.50 mts.
- Species to be planted:-** Deodar/Kail/Fir  
(Cedrusdeodara/Pinuswallichiana/Abiespindrow).
- (c) **Plantation Method:-** Nursery grown two to three years old plants of Deodar/Kail/Fir species will be planted in the pits of size 45 x 45 x 45 cm in the selected area. The plantation will be maintained for subsequent 10 years in which beating up failures will be done. The plantation will be rainfed.
- (d) **Soil and Moisture Conservation Works:-** Minor soil conservation works like gully plugging, check walls will be done where ever required.
- (e) **Protection (Fencing, Watch Man, People's Participation etc.):**-Area will be protected from grazing by erecting barbed wire fencing around the plantation site. Watch & ward shall be provided by engaging a watch man. Fire Protection shall also be provided by this watch man.
- (f) **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.

  
Fayaz Ahmed  
Block Officer  
Ghuraka

  
Devinder Kumar  
Block Officer  
Malothi

  
Aftab Ahmed  
Range Officer  
Kellar Range

C/s  
  
ChanderShekhar(SFS)  
Divisional Forest Officer  
Forest Division Bhadarwah