

FULL TITLE OF THE PROJECT:-CONSTRUCTION AND UPGRADATION OF ROAD FROM FROM DESIGN CHAINAGE 31.449 (KHELLANI, PARIYOT) TO KM 51.700 (PREM NAGAR) (DESIGN LENGTH 20.251 KM.) IN THE UNION TERRITORY OF JAMMU AND KASHMIR PACKAGE-I OF NH-244.

FILE NO.:- FP/JK/ROAD/146187/2021.

DATE OF PROPOSAL:- 19-08-2021

Compensatory Afforestation Scheme

Name of the Forest Division: - Bhadarwah Forest Division

Forest Area to be diverted: - 3.2549356 ha

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

Degraded Forest Land Yes Area: 7 ha

(Note: Out of **10.00 ha** area **7.00 ha** area is available for plantation and rest area is having vegetation.)

Non-Forest Land No Area: NA

Forest Division: Bhadarwah Forest Division District:- Doda

Range:-Chiralla Tehsil: Thathri

Compartment No:-12/JWR Khasra No :- NA

C.A. Site (Name of Location) Renka C.A Area:-10.00 ha

C.A Site Geo Coordinates:

Starting Point: Latitude: 33° 8'45.833' N

Ending Point: Latitude: 33° 8'44.229' E

Starting Point Longitude: 75° 44'45.118' N

Ending Point: Longitude 75° 44'48.849' E

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

I. Description of C.A Site:

a) Soil Type:- Rocky

b) Topography: Hilly/undulating/plain:-Hilly

c) Slope: Steep/Medium/Gentle:- Medium Slope

d) For non-forest-land description of existing vegetation/root stock and density:- NA

e) In case of degraded forest land-description of forest type and crown density:-
ChirRehabilitation/Protection Working Circle& 0.35

COST OF FENCING OF CLOSURES INVOLVED IN COMPENSATORY AFFORESTATION.

Area to be diverted:- 3.254935 ha

Degraded forest area to be covered under CA:- 10.00 ha

Number of plants to be planted: - 7000

C.A for 10.00ha (plantation area 7.00 ha) in degraded Forest in Chiralla Range of Bhadarwah Forest Division

S.No	Description			Rate (in Rs.)	Total Amount (in Rs.)
		Unit	No		
A	Plantation Work		7000	40.03	280210
1	1 st year of maintenance		1750		70052
2	2 nd year of Maintenance		1050		42031
3	3 rd year of Maintenance		350		14010
4	4 th year of Maintenance		350		14010
5	5 th year of Maintenance		350		14010
6	6 th year of Maintenance		350		14010
7	7 th year of Maintenance		350		14010
8	8 th year of Maintenance		350		14010
9	9 th year of Maintenance		350		14010
10	10 th year of Maintenance		350		14010
Total					504373
B	Other Afforestation Interventions (as per the requirement of the site condition)	0	0	0	0
1	Nursery Raising		0	0	0
	Transportation			0	0
	Patch Showing	1500	0	6.99	10485
2	Planting of Grass Slips	1000	0	6.35	6350
C	Fencing				
1	Square PCC Post Fencing (4 Strand)	RFT	3000	72.78	218340
2	01 No. of Sign Board			L/S	6000
3	01 No. of Gate			L/S	3000
4	Wooden Fencing	0	0	0	0
	Chain Link Fencing	0	0	0	0
	Fencing Repair	0	0	0	0
D	Site Preparation:	ha	0	0	0
E	Pruning and Training of Existing Root Stocks:	No	0	0	0
Total B+C+D+E=					244175
F	Soil & water conservation and protection measures like construction of fire lines and inspection path (5cum)				5500
Total (A+B+C+D+E+F)					754048

I. Plantation Model:

Compensatory afforestation over an area of 10.00 ha 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 chir trees. Whole of the plantation of 7.00 ha 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 @ 1000 plants per ha. will be planted. Thus, 7000 plants under this diversion proposal will be planted on the proposed site. The species to be planted will be mainly Chir/Kail (*Pinus roxburghii* / *Pinus wallichiana*) 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. **829453.00** Certificate of the DFO Bhadarwah regarding suitability of area identified for compensatory plantation is attached. The area selected for compensatory plantation will 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.

G	Supervisory/ Watch & Ward / Overhead/Miscellaneous Charges: (10% of the C.A Charges)	75405
Grand Total (A+B+C+D+E+F+G)		829453.00

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

- 1) **General Details:** - An area of 7.00 ha. will be taken up for planting under compensatory afforestation scheme in forest compartment No. 12/JWR in a single compact block. The area will be protected by using square PCC fence posts with barbed wire fencing and by planting Chir/Kail species plants. Plants will be planted @ 7000 plants per ha.
- 2) **Planation Method:** - Nursery grown two to three years old plants of Deodar/Kail 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.
- 3) **Spacing:** - 2.50 mts x 2.50 mts.
- 4) **Species proposed to be planted:-**Chir/Kail (*Pinus roxburghii*, *Pinus wallichiana*).
- 5) **Silvicultural Operations:-** NA
- 6) **Soil & Moisture Conservation Works:-** Minor Soil conservation works like gully plugging, check walls will be done where ever required.
- 7) **Protection:** (Fencing, Watch & Ward and 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.
- 8) **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.

Any other Information:-NA


Forest Range Officer
Forest Range Chiralla
HQ Thathri


Divisional Forest Officer
Forest Division Bhadarwah