

Full Title of the Project:-Construction and up-gradation to 2-lane shoulder from Km 80.675 (Start of Kishtwar bypass) to Km 95+550 (end of Helmet top bypass) of length 14.875 Km and link road from 0+000 to 1.871 of length = 1.871 Km total length = 16.746 Km (including link road) on Khellani-Kishtwar-Chatruo-Khanabal section on NH-244 in Jammu and Kashmir.

File No.:-FP/JK/ROAD/143808/2021.

Date of Proposal:-23/06/2021.

**PART- A  
DETAIL OF FOREST LAND**

**CALCULATION OF TOTAL COST INCLUDING NET PRESENT VALUE (NPV) OF FOREST LAND INVOLVED AS WELL AS COMPENSATORY AFFORESTATION COST FOR ABOVE ROAD PROJECT BY PMU KISHTWAR, NHIDCL IN DODA FOREST DIVISION.**

1	Compartment No.	26/kesh
2	Forest Area Involved	1.36837 hac
3	No. of Trees/Poles/Saplings	47
4	Cost of land as per NPV ECO Class -V for 1.36837 Ha @ Rs. 1005210/- per Ha	1375499.00
5	Felling and extraction charges of trees	104605.00
6	Compensatory Afforestation ( cost of plantation)	548249.00
	<b>TOTAL</b>	<b>2028353</b>

(IN WORDS: TWENTY LAKH TWENTY EIGHT THOUSAND THREE HUNDRED FIFTY THREE ONLY)

*M. Subhash*  
B.O. Kottal.

*[Signature]*  
**RANGE OFFICER**  
**Thakrai Range**  
**Forest Division Doda**

*[Signature]*  
**Praveen Allawat**  
**General Manager (P)**  
**N.H.I.D.C.L.**  
**Kishtwar (J&K)**



*[Signature]*  
**IT Eng**  
**NHIDCL**

*[Signature]*  
**Divisional Forest Officer**  
**Doda Forest Division Doda**

Full Title of the Project:- Construction and upgradation to 2-lane shoulder from Km 80.675 (Start of Kishtwar bypass) to Km 98+850 (end of Helmet top bypass) of length 14.875 Km and link road from 0+000 to 1.871 of length = 1.871 Km total length = 16.746 Km (including link road) on Khellani-Kishtwar-Chattran-Khannabal section on NH-244 in Jammu and Kashmir.

File No.: FP/JK/ROAD/143808/2021.

Date of Proposal:- 23/06/2021.

**CALCULATION OF N.P.V.OF FOREST LAND INVOLVED IN CONSTRUCTION OF ABOVE PROPOSAL BY PMU KISHTWAR, NHIDCL IN DODA FOREST DIVISION**

1.	Total Forest land involved in Comptt 26/kesh	136837 Ha
2	Rate per hac as per Hon'ble S C of India's order dated 28/03/2008 in File No. 5-3/2011-FC(Vol-I) regarding revision rate of NPV of Forest land (Eco Class-V Open Forest)	1005210/-
3	NPV of Forest Land Involved	1375499/-
	<b>Total</b>	<b>1375499/-</b>

(Rupees: Thirteen lakh seventy five thousand four hundred ninety nine only)

*[Signature]*  
**RANGE OFFICER**  
**Thakrai Range**  
**Forest Division Doda**

*[Signature]*  
**B. O. Kottal**

*[Signature]*  
**General Manager (P)**  
**N.H.I.D.C.L.**

**PMU Kishtwar (J&K)**



*[Signature]*  
**IT. Eng.**  
**NHIDCL**

*[Signature]*  
**Divisional Forest Officer**  
**Doda Forest Division Doda**

**Full Title of the Project:-Construction and upgradation to 2-lane shoulder from Km 80.675 (Start of Kishtwar bypass) to Km 95+550 (end of Helmet top bypass) of length 14.875 Km and link road from 0+000 to 1.871 of length = 1.871 Km total length = 16.746 Km (including link road) on Khellani-Kishtwar-Chatroo-Khanabal section on NH-244 in Jammu and Kashmir.**

**File No.:-FP/JK/ROAD/143808/2021.**

**Date of Proposal:-23/06/2021.**

**DETAILED ESTIMATE FOR EXTRACTION OF TREES COMING IN THE  
PROPOSED ALIGNMENT FOR CONSTRUCTION OF ABOVE ROAD PROJECT BY PMU  
KISHTWAR, NHIDCL IN DODA FOREST DIVISION.**

**(A) Extraction charges of firewood.**

S.No	Item of Work	Qty	Rate ( In rupees)	Amount (in rupees)	Remarks
1.	Enumeration of trees	47 Nos	5.40/- per Tree	253.8	
2.	Marking of Trees	47 Nos	9.75/- per tree	458.25	
3.	Felling of trees , hand sawing/ conversion and its splitting making fit for head load carriage/stocking upto loading point road side	188 Qtls	105.57/- per Qtls	19847.16	
4.	Weightage, Loading, unloading, Depot handling and other misc.	188 Qtls	21.48/- per Qtls	4038.24	
7	Extra carriage on account of firewood through head load	188 Qtls	50/- per Qtls	9400	
8.	Mechanical transportation of firewood for 50 Km	188 Qtls	1.90/- per qtls/ per km	357.2	
9.	Watch & ward for 01 labour for 3 months	3 months	6750/- per month	20250.00	
10	Over head expenses		L/S	50000.00	
	<b>Total</b>			<b>104605/-</b>	

**(Rupees: One lakh four thousand six hundred five only)**

*M. Gulshan*  
Mand. Gulshan  
Block officer Kotab

*[Signature]*  
**RANGE OFFICER**  
**Thakral Range**  
**Forest Division Doda**

*[Signature]*  
**Namuk**  
**Doda Forest Office**  
**Doda Forest Division**  
**Doda**

*[Signature]*  
**Raj Kumar**

*[Signature]*  
**Praveen Ahlawat**  
**General Manager (P)**  
**N.H.I.D.C.L.**  
**PMU-Kishtwar (J&K)**



**Full Title of the Project:-** Construction and upgradation to 2-lane shoulder from Km 80.675 (Start of Kishtwar bypass) to Km 95+550 (end of Helmet top bypass) of length 14.875 Km and link road from 0+000 to 1.871 of length = 1.871 Km total length = 16.746 Km (including link road) on Khellani-Kishtwar-Chatroo-Khanabal section on NH-244 in Jammu and Kashmir.

**File No.:-**FP/JK/ROAD/143808/2021.

**Date of Proposal:-**23/06/2021.

**Name of the Forest Division:-** Doda Forest Division.

**Forest area to be diverted:-** 1.36837Ha

**Detail of land where Compensatory Afforestation to be carried out:**

<b>Degraded Forest land:</b> Yes	<b>Area:</b> 2.74 Ha
<b>Non-Forest land:</b> No	<b>Forest Division:</b> Doda Forest Division
<b>Range:</b> Thakrai	<b>District:</b> Kishtwar
<b>Tehsil:</b> Dhrabshalla	<b>Compartment No.</b> 26/Kesh
<b>C.A Site:</b> Ohli Village	<b>C.A Area:</b> 2.74 Ha.

**C.A Site Geo-Coordinates:**

**Starting point: Latitude:** 33°16'55.76" N **Longitude:** 75°45'06.68" E

**Ending point: Latitude:** 33°16'56.99" N **Longitude:** 75°45'07.64" E

**I. Description of C.A Site:**

a. **Soil type:** Sandy Loom

b. **Topography:** Hilly

c. **Slope:** Medium and gentle.

d. **In case of degraded forest land-description of forest land and crown density:** Deodar

Kail Conversion Working circle with crown density is 0.1

**Plantation Model:** Compensatory Afforestation over an area of 2.74 Hac. Of degraded forest land is proposed to be raised. The area selected for this purpose is in village Ohli, which is degraded forest. Presently the area supports scattered trees. Whole of the plantation of 2.74 Hac. 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 hectare will be planted. The species to be planted will be mainly conifer and other misc. species of broad leaved 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 Forest Department through DFO, Doda. Total financial Outlay for compensatory plantation scheme is 548249/- Site is suitable for Compensatory Afforestation. The monitoring will be done as per existing monitoring mechanism in the forest department at present.

*M. Chulsham*  
Mond. Chulsham  
Block officer katal

*Thakrai*  
RANGE OFFICER  
Thakrai Range  
Forest Division Doda

*Praveen Ahlawat*  
Praveen Ahlawat  
General Manager (P)  
N.H.I.D.C.L.  
PMU-Kishtwar (J&K)

*Nameet*  
Doda Forest Division  
Doda

# Compensatory Afforestation for degraded forest area in comptt. No. 26/Kesh, Thakrai Range of Doda Forest Division.

S.No.	Description			Rate (in ₹)	Total amount (in ₹)
		Unit	No.		
A	1st year cost of Afforestation	No.	2740	40.03	109682.2
1	2nd year maintenance		685	40.03	27420.55
2	3rd year maintenance		274	40.03	10968.22
3	4th year maintenance		137	40.03	5484.11
4	5th year maintenance		137	40.03	5484.11
5	6th year maintenance		137	40.03	5484.11
6	7th year maintenance		137	40.03	5484.11
7	8th year maintenance		137	40.03	5484.11
8	9th year maintenance		137	40.03	5484.11
9	10th year maintenance		137	40.03	5484.11
	<b>Total</b>		<b>4658</b>		<b>186459.74</b>

## B Other Afforestation Interventions (As per the requirement of the site condition)

1	Patch Sowing	No. of patches	822	6.99	5745.78
2	Planting of grass slips	No. of slips	822	6.35	5219.7
	<b>Total</b>				<b>10965.48</b>
C.	<b>Fencing:</b>				
1	Square PCC Post Fencing (4 Strand)	Rft	1644	72.78	119650.32
2	Wooden fencing				
3	Chain link fencing				
4	Fencing repair		1644	16.74	27520.56
	<b>Total</b>				<b>147170.88</b>
D	<b>Site Preparation: (Cutting, Grubbing and removal of lantana)</b>	Ha	0.822	22904	18827.088
E	<b>Pruning and Training of existing root stocks:</b>	No.	1644	6.35	10439.4
	<b>Total C.A Charges</b>				<b>373862.588</b>
F	<b>Soil and water conservation and protection measures like construction of fire lines and inspection path.</b>				<b>137000</b>
	<b>Total (A+B+C+D+E+F)</b>				<b>510862.588</b>
G	<b>Supervisory/Watch and ward/Overhead/Miscellaneous charges: (10% of the C.A Charges)</b>				<b>37386.2588</b>
	<b>Grand Total: (A+B+C+D+E+F+G)</b>				<b>548248.8468</b>

## III Technical Details: Technical detail of compensatory afforestation scheme are as follow:

### i General detail

ii Plantation method: Poly bags

iii Spacing: 2 x 2 m

iv Species proposed to be planted: Deodar and Kail

v Silviculture Operations: Nil

vi Soil and Moisture Conservation Works:

vii Protection: (Fencing, Watch and Ward, People's Participation etc): Yes

viii Proposed monitoring Mechanisim: Regular patrolling of concerned beat guard

ix Any other information: No

*M. Chaudhary*  
monr. Chaudhary  
Block officer Kotol -

*Rajiv*  
**RANGE OFFICER**  
**Thakrai Range**  
**Forest Division Doda**

*Praveen Ahlawat*  
**Praveen Ahlawat**  
**General Manager (P)**  
**N.H.I.D.C.L.**  
**PMU-Kishtwar (J&K)**

*9/4*  
*Namuel*  
**Divisional Forest Officer**  
**Doda Forest Division**