

**Diversion of 2.1338 hac. of Forest Land for Rehabilitation and Upgrading of Existing Road to 2 Lane with Paved Shoulder from end of Hamirpur bypass (Chil Bahal) to Bhangbar Section via Jwalamukhi (Package IV) of NH-88 (New NH-3 & 303) (Design Chainage- Km 138+295 to Km 175+270, Design Length-36.975 Km) in the State of Himachal Pradesh**

FILE NO. : FP/HP/ROAD/148886/2021

DATE OF PROPOSAL : 29/10/2021

**CHECK LIST SERIAL NUMBER: - 17**  
**"SCHEME FOR COMPENSATORY AFFORESTATION"**

Detail scheme for Compensatory Afforestation to be carried out in lieu of 2.1338 ha. of forest area to be diverted for the construction of above said Project in Himachal Pradesh.

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

District Kangra, Tehsil Kangra, Division Dharamshala.	Kangra Range, Block/Comptt. No. P 29K Daulatpur C-1C	Area to be Afforested – 4.27 HA
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**2. Description of Area**

a.	Whether the site selected for Compensatory Afforestation is a land bank or not	Land Bank
b.	If the CA site is other than the land bank, reasons be given	Not Applicable
c.	In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary	Not Applicable
d.	Soil type	Sandy Loam
e.	Topography : a.) Hilly/Undulating /Plain b.) Slope- Steep/Medium/Gentle	Hilly Medium
f.	Whether the area is bearing any root stock of vegetation	Yes

**3. Plantation Model**

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial breakup to be enclosed.



#### 4. Schedule of Plantation Programme

Detail of year wise break-up of requirements of funds is as under:-

YEAR	AREA	RATE / ha (in Rs.)	TOTAL AMOUNT
0 Year	4.27	102370	437120
1 <sup>st</sup> Year	4.27	14720	62854
2 <sup>nd</sup> Year	4.27	9880	42188
3 <sup>rd</sup> Year	4.27	6920	29549
4 <sup>th</sup> Year	4.27	6920	29549
5 <sup>th</sup> Year	4.27	6920	29549
6 <sup>th</sup> Year	4.27	6920	29548
7 <sup>th</sup> Year	4.27	6920	29548
8 <sup>th</sup> Year	4.27	6920	29548
9 <sup>th</sup> Year	4.27	6920	29548
10 <sup>th</sup> Year	4.27	6920	29548
<b>TOTAL (Rs.)</b>			778549
Contingency Charges 5 %			38927
<b>TOTAL (Rs.)</b>			817476
Departmental Charges 17.5 %			143058
<b>TOTAL (Rs.)</b>			960534
<b>OR SAY</b>			<b>Rs. 9,60,537/-</b>

#### 5. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

a.	General Details	Area for Compensatory Afforestation in Forest Range Kangra Area 4.27 Hac.
b.	Spacing	2.5 X 2.5
c.	Species	Mix Broad Leave
d.	Plantation Method	By pits 30 cm & 45 cm.
e.	Soil and Moisture Conservation Works	Check dam / Retaining walls / Vegetative check dam
f.	Protection (Fencing, Watch man, People's Participation etc.)	Fencing, Watch man, People's Participation etc. Fencing 5 Stand Barbed Wire interlacing with thorny bushes.
g.	Proposed Monitoring Mechanism	Proper inspection of the area by field staff & officers of the Department.
h.	Any other information	N.A.

Place : Dharamshala

Dated : 16-11-2022

Dr. Sanjeev Sharma (HPFS)  
Divisional Forest Officer  
Dharamshala Forest Division  
Dharamshala



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<b>Date of Proposal</b>	<b>29/10/2021</b>

Scheme for Compensatory Afforestation for 2021-22 in lieu of Diversion of 2.1338 ha of forest land for Construction of above stated Project in Himachal Pradesh

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Grand Total (A+B)							102370
<b>1st Year Maintenance Cost (30 % Beating Up):</b>							
1	Re-digging of Pits 45 x 45 x 45 cm	No.	330	4.77	1574.1	10.49	3148.20
2	Filling of Pits 45 x 45 x 45 cm	No.	330	2.72	897.60	5.98	1795.20
3	Planting of Plants raised in P/Bags	No.	330	2.18	719.40	4.80	1438.80
4	Nursery Cost of Plants	No.	330	17.00	17.00	0.00	5610.00
5	Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill	Km/ No.	330	1.90	1254.00	8.36	2508.00
6	Repair of Fencing	Rmt.	60	1.80	108.00	0.72	216.00
<b>Total/ 1st Year Mentenance Cost</b>							<b>14716.20</b>
or Say							14720

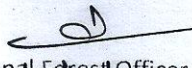


2nd Year Maintenance Cost (20 % Beating Up):							
1	Re-digging of Pits 45 x 45 x 45 cm	No.	220	4.77	1049.4	7.00	2098.80
2	Filling of Pits 45 x 45 x 45 cm	No.	220	2.72	598.40	3.99	1196.80
3	Planting of Plants raised in P/Bags	No.	220	2.18	479.60	3.20	959.20
4	Nursery Cost of Plants	No.	220	17.00	17.00	0.00	3740.00
5	Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill	Km/ No.	220	1.90	836.00	5.57	1672.00
6	Repair of Fencing	Rmt.	60	1.80	108.00	0.72	216.00
Total/ 2nd Year Maintenance Cost							9882.81
or Say							9880

3rd Year to 10th Year Maintenance Cost (10 % Beating Up):							
1	Re-digging of Pits 45 x 45 x 45 cm	No.	220	4.77	524.7	3.50	1049.40
2	Filling of Pits 45 x 45 x 45 cm	No.	220	2.72	299.20	1.99	598.40
3	Planting of Plants raised in P/Bags	No.	220	2.18	239.80	1.60	479.60
4	Nursery Cost of Plants	No.	220	17.00	17.00	0.00	3740.00
5	Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill	Km/ No.	220	1.90	418.00	2.79	836.00
6	Repair of Fencing	Rmt.	60	1.80	108.00	0.72	216.00
Total/ 1st Year Maintenance Cost							6919.39
or Say							6920

C	Survey, Demarcation & Fencing Cost						57210
D	Planting Cost						45160
E	1st year Maintenance						14720
F	2 <sup>nd</sup> year Maintenance						9880
G	3 <sup>rd</sup> year Maintenance						6920
H	4 <sup>th</sup> year Maintenance						6920
I	5 <sup>th</sup> year Maintenance						6920
J	6 <sup>th</sup> year Maintenance						6920
K	7 <sup>th</sup> year Maintenance						6920
L	8 <sup>th</sup> year Maintenance						6920
M	9 <sup>th</sup> year Maintenance						6920
N	10 <sup>th</sup> year Maintenance						6920
	Total						182330
O	Constituency Charges @ 5%						9117
	Total						191446.50
P	Departmental Charges @ 17.5%						33503
	Grand Total (C to P)						224950
	Total Cost of CA for 1 ha						224950

Total Cost Of CA for 4.27 ha is Rs 224950 x 4.27 ha = Rs 9,60,537/-

  
 Divisional Forest Officer  
 Dharamshala Forest Division  
 Dharamshala, District Kangra