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,	Kangra Range,	Area to be Afforested – 4.27 HA
Tehsil Kangra,	Block/Comptt. No. P 29	9K
Division Dharamshala.	Daulatpur C-1C	

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		
1st Year	4.27	14720	62854		
2 nd Year	4.27	9880	42188		
3 rd Year	4.27	6920	29549		
4 th Year	4.27	6920	29549		
5 th Year	4.27	6920	29549		
6th Year	4.27	6920	29548		
7th Year	Year 4.27		29548		
8th Year	4.27	6920	29548		
9th Year	4.27	6920	2954		
10 th Year	4.27	6920	29548		
TOTAL (Rs.)			778549		
Contingency Charges	5 5 %		38927		
TOTAL (Rs.)			817476		
Departmental Charges 17.5 %		¥	143058		
TOTAL (Rs.)	TOTAL (Rs.)		960534		
		OR SAY	Rs. 9,60,537/-		

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. Sanjeck Sparma (HPFS)

Divisional Forest Officer

Dharamshala Forest Division

Dharamshala

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

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

Sr. No.	Particulars of work	Unit	Qty.	Rate per Unit at wage rate of Rs. 150/-	Amount @ Rs. 150/- for Non Tribal Areas	Mandays Involved	Amount at wage rate of Rs. 300/
Α	Survey, Demarcation & Fencing Cost						
1	Survey & demarcation of plantation area	ha.	1	101.00	101.00	0.67	202.00
2	Preparation/purchase of RCC Fence posts.	No.	50	358.00	12500.00		17900.00
3	Carriage of RCC Fence posts up to 165 cm long over distance 2 Km uphill/downhill.	Km/ No.	50	33.50	33.50		6700.00
4	Preparation/digging of holes of 20x30x50 cm size	No.	50	9.06	453.00	3.02	906.00
.5.	Fixing of RCC fence posts including strutting.	No.	. 50	7.16	358.00	2.39	716.00
6	Carriage of Barbed wire over distance 2 Km. uphill / downhill	Km/ Qtl.	0.75	73.65	110.48	0.74	220.95
7	Stretching & fixing of barbed wire in 4 strands	Rmt.	600	4.80	2880.00	19.20	5760.00
8	Interlacing of Thorny bushes along the fence	Rmt.	150	4.09	. 613.50	4.09	1227.00
9	Cost of Barbed Wire	Qtl.	0.75	6510.00	4882.50	0.00	4882.00
10	Nursery Cost of Plants	No.	1100	17.00	17.00	0.00	18700.00
			Tot	al - A (Surve	, Demarcatio	n & Fencing)	57213.96
			-			or Say	57210
В	Planting Cost						
1	Digging of pits 45x45x45 cm	ha.	1100	1192.80	1192.80	7.95	2385.60
2	Filling of pits 45x45x45 cm.	No.	1100	9.54	10494.00	69.96	20988.00
3	Carriage of plants in P/bags over distance 2 km. uphill.	No.	1100	2.72	2882.00	19.95	5984.00
4	Planting of entire plant raised in P.bags.	Km/ No.	1100	1.90	4180.00	27.87	8360.00
5	Planting of grass tufts/preparation of strips including sowing in strips 100x30x5 cm for grass sowing along contour.	No.	1100	2.18	2398.00	15.99	4796.00
		Rmt.	100	11.00	1100.00	7.33	2200.00
		No.	0	LS	450.00	0	450.00
					Total - B (P	lanting Cost)	45163.59
	4.			19		or Say	45160
					Grand	d Total (A+B)	102370
	1st Year Maintenand	e Cost	30 % Be	eating Up):			,
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 x45 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
	6 200			Total/ 1	st Year Ment	enance Cost	14716.20
						or Say	14720

200	2nd Year Maintena	nce Cos	t (20 % E	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 x45 cm	No.	220	2.72		3.99	1196.80
3	Planting of Plants raised in P/Bags	No.	220	2.18		3.20	959.20
4	Nursery Cost of Plants	No.	220	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/ 2	2nd Year Ment		9882.81
						or Say	9880
	3rd Year to 10th Year Ma	intenand	e Cost (10 % Beating	g 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 x45 cm	No.	220		299.20	1.99	598.40
3	Planting of Plants raised in P/Bags	No.	220	2.18		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
			N 40 E	Total/	1st Year Mente	enance Cost	6919.39
-	The state of the s	10				or Say	6920
				170			
C	Survey, Demarcation & Fencing Cost		1.63				57210
<u>D</u>	Planting Cost	·		S le Som			45160
E	lst year Maintenance	- 22-		7. 2		A C	14720
F	2 nd year Maintenance	11					9880
G	3 rd year Maintenance	7 1					6920
Ĥ	4 th year Maintenance			market fra			6920
ĺ	5 th year Maintenance	1		1.5			6920
J	6 th year Maintenance						6920
K	7 th year Maintenance			7			6920
L	8 th year Maintenance						6920
М	9 th year Maintenance						6920
N	10 th year Maintenance	1					6920
1	Total	•					182330
0	Constituency Charges @ 5%						9117
	Total						191446.50
Р	Departmental Charges @ 17.5%						33503
	Grand Total (C to P)			125,000			224950
	Total Cost of CA for 1 ha						224950
					PRODUCTION OF THE PROPERTY OF	CONTROL CONTRO	224330

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

Divisional Farest Officer
Dharamshala Forest Division
Dharamshala, District Kangra