# DIVERSION OF 1.5358 HA. OF FOREST LAND FOR CONSTRUCTION OF LINK ROAD FROM RAH TO SANGAM VIA BHANYANKAR IN DISTRICT KANGRA (H.P.)

FILE NO.

: FP/HP/ROAD/144563/2021

DATE OF PROPOSAL

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

Detail scheme for Compensatory Afforestation to be carried out in lieu of 1.5358 ha of forest area to be diverted for the construction of Link Road from Rah to Sangam via Bhanyankar, Tehsil Kangra, Distt. Kangra (HP).

### Detail of degraded forest land :

District Kangra, Village Baag,

Tehsil - Kangra

Name of Division - Dharamshala

Range - Kangra

Block/Compartment/Survey No. - UP 196K Baag C-2

Area to be afforested - 3.08 Hac.

#### 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	TOTAL AMOUNT		
0 Year	3.08 Hac.	315300 /-		
1st Year	3.08 Hac.	45338 /-		
2 <sup>nd</sup> Year	3.08 Hac.	30430 /-		
3 <sup>rd</sup> Year	3.08 Hac.	15554 /-		
4th Year	3.08 Hac,	15554 /-		
5th Year	3.08 Hac.	15554 /-		
6th Year	3.08 Hac.	15554 /-		
7 <sup>th</sup> Year	3.08 Hac.	15554/-		
8th Year	3.08 Hac.	15554/-		
9th Year	3.08 Hac.	15554 /-		
10th Year	3.08 Hac.	15554 /-		
TOTAL (Rs.)		515500 /-		
Contingency Charges 5 %		25775 /-		
TOTAL (Rs.)		541275 /-		
Departmental Cl	harges 17.5 %	94723 /-		
TOTAL (Rs.)		635998 /-		

### 5. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

a.	General Details	Area for Compensatory Afforestation in Jungle Forest UP 196K Baag C-2, Kangra Forest Range area 3.08 Hac.		
b.	Spacing	2.5 X 2.5		
c.	Species	Mixed Fruit and local Trees		
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 : 05-02-2022 Dr. Sanjeev Sharma (HPFS) Divisional Forest Officer Dharamshala Forest Division Dharamshala

# DIVERSION OF 1.5358 HA, OF FOREST LAND FOR CONSTRUCTION OF LINK ROAD FROM RAH TO SANGAM VIA BHAYANKAR IN TEHSIL KANGRA, DISTRICT KANGRA (H.P.)

FILE No. FP/HP/ROAD/144563/2021

Date of Proposal 16/07/2021

Scheme for Compenstoy Afforestation for 2021-22 in lieu of Diversion of 1.5358 ha of forest land for Construction of Link Road from Rah to Sangam via Bhanyankar in District Kangra, H. P.

Village Baag, Forest Division Dharamshala, Kangra Forest Range, District Kangra, Compartment No. UP 196K Baag C-2, Area 3.08 Hac.

Sr. No.	Particulars of work	Unit	Qty.	Rate per Unit at wage rate of Rs. 150/-	Mandays Involved	Amount at wage rate of Rs. 300/-
Α	Survey, Demarcation & Fencing Cost			130/		
1	Survey & demarcation of plantation area	ha.	1	101.00	0.67	202.00
2	Preparation/purchase of RCC Fence posts.	No.	50	358.00	0.00	202.00
3	Carriage of RCC Fence posts up to 165 cm long over distance 2 Km uphill/downhill.	Km/ No.	50	33.50	A Second	6700.00
4	Preparation/digging of holes of 20x30x50 cm size	No.	50	9.06	3.02	906.00
.5.	Fixing of RCC fence posts including strutting.	No.	50	7.16	2.39	
6	Carriage of Barbed wire over distance 2 Km. uphill / downhill	Km/ Qtl.	0.75	73.65	0.74	716.00 220.95
7	Stretching & fixing of barbed wire in 4 strands	Rmt.	600	4.80	19.20	5760.00
8	Interlacing of Thorny bushes along the fence	Rmt.	150	4.09	4.09	1227.00
9	Cost of Barbed Wire	Qtl.	0.75	6510.00	0.00	4882.00
10	Nursery Cost of Plants	No.	1100	17.00	0.00	18700.00
	T	otal - A	(Survey	Demarcatio	n & Fencing)	57213.95
					or Say	57210
В	Planting Cost					
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	7.95	2385.60
2	Digging of pits 45x45x45 cm	No.	1100	9.54	69.96	20988.00
3	Filling of pits 45x45x45 cm.	No.	1100	2.72	19.95	5984.00
4	Carriage of plants in P/bags over distance 2 km. uphill,	Km/ No.	100	1.90	27.87	8360.00
5	Planting of entire plant raised in P.bags.	No.	1100	2.18	15.99	4796.00
6	Construction of Inspection Path	Rmt.	100	11.00	7.33	2200.00
7	Cost of Sign Board, Carriage & Fixing	No.	0	LS	0	450.00
_				Total - B (PI	anting Cost)	45163.60
_					or Say	45160
			- 15		Total (A+B)	102370
	1st Year Maintenance Co	st (30 %	Beating	(Up):		
1	Re-digging of Pits 45 x 45 x 45 cm	No.	330	4.77	10.49	3148.20
2	Filling of Pits 45 x 45 x45 cm	No.	330	2.72	5.98	1795.20
3	Planting of Plants raised in P/Bags	No.	330	2.18	4.80	1438.80
4	Nursery Cost of Plants	No.	330	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	8.36	2508.00
6	Repair of Fencing	Rmt.	60	1.80	0.72	216.00
	ς	T	otal/ 1s	t Year Mente	enance Cost	14716.20
						-

_	2nd Year Maintenance	Cost (20	% Beating	Up):		
1	Re-digging of Pits 45 x 45 x 45 cm	No.	220	4.77	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	5.57	1672.00
6	Repair of Fencing	Rmt.	60	1.80	0.72	216.00
		1	otal/ 2nd	Year Mente		9882.81
					or Sav	9880
	3rd Year to 10th Year Mainter	nance Cos	t (10 % Be	ating Up):	Or Say	3000
1	Re-digging of Pits 45 x 45 x 45 cm	No.	110	4.77	3.50	1049.40
2	Filling of Pits 45 x 45 x45 cm	No.	110	2.72	1.99	598.40
3	Planting of Plants raised in P/Bags	No.	110	2.18	1.60	479.60
4	Nursery Cost of Plants	No.	110	17.00	0.00	1870.00
5	Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill	Km/ No.	110	1.90	2.79	836.00
6	Repair of Fencing	Rmt.	60	1.80	0.72	216.00
		-	Total/1st	Year Mente		5049.39
					or Say	5050
=7/12/10						2030
С	Survey, Demarcation & Fencing Cost		W =			57210
D	Planting Cost					45160
E	Ist year Maintenance					14720
F	2 <sup>nd</sup> year Maintenance					9880
G	3 <sup>rd</sup> year Maintenance					
Н	4 <sup>th</sup> year Maintenance					5050
1	5 <sup>th</sup> year Maintenance					5050
J	6 <sup>th</sup> year Maintenance					5050
K	7 <sup>th</sup> year Maintenance	1				5050
L	8 <sup>th</sup> year Maintenance	1				5050
M		-		1		5050
N	9 <sup>th</sup> year Maintenance					5050
IV	10 <sup>th</sup> year Maintenance					5050
_	Total				7.5	167370
0	Constituency Charges @ 5%					8369
D	Total					175739
P	Departmental Charges @ 17.5%					30754
_	Grand Total (C to P)					206493
	Total Cost of CA for 1 ha	1	100			1200

Total Cost of Plantation of 1100 Plants in 3.08 ha is Rs 206493 x 3.08 ha = Rs 6,35,998/-

Divisional Forest Officer Dharamshala Forest Division Dharamshala, District Kangra