DIVERSION OF 4.5259HA. OF FOREST LAND FOR CONSTRUCTION OF LINK ROAD FROM KANOL TO MORCH RD 0/0 TO 9/140 KM, DISTRICT KANGRA (H.P.) FILE NO.

:FP/HP/ROAD/70377/2020

DATE OF PROPOSAL

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

Detail scheme for Compensatory Afforestation to be carried out in Lieu of 4.5259 ha. of forest area to be diverted for the construction of Link Road from Kanol to Morch Road RD 0/0 to 9/140 KM in District Kangra H.P.

1. Detail of degraded forest land:

District Kangra, Tehsil Shahpur, Division Dharamshala.	Shahpur Range, Block/Comptt. No. UP Kanol C3	139	Area to be Afforested – 9.1 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/Modelshowing 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:-

Contingency Charge TOTAL (Rs.)	ges 5 %		82960 1742163
TOTAL (Rs.)	5.0/		1659203
10 th Year	9.10 Hac.	6920	62972
9 th Year	9.10 Hac.	6920	62972
8 th Year	9.10 Hac.	6920	62972
7 th Year	9.10 Hac.	6920	62972
6 th Year	9.10 Hac.	6920	62972
5 th Year	9.10 Hac.	6920	62972
4 th Year	9.10 Hac.	6920	62972
3 rd Year	9.10 Hac.	: 6920	62972
2 nd Year	9.10 Hac.	9880	89908
1 st Year	9.10 Hac.	14720	133952
YEAR 0 Year	AREA 9.10Hac.	RATE / ha (in Rs.) 102370	TOTAL AMOUNT

5. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

General Details	Area for Compensatory Afforestation in
	Forest Range Shahpur Area 9.1Hac.
1 1	2.5 X 2.5
Species	Mix Broad Leave
	By pits 30 cm & 45 cm.
Soil and Moisture Conservation Works	Check dam / Retaining walls / Vegetative
Protection (Fencing, Watch man, People's Participation etc.)	etc. Fencing 5 Stand Barbed Wire interlacing
Proposed Monitoring Mechanism	with thorny bushes. Proper inspection of the area by field staff &
Any other information	officers of the Department. N.A.
	Spacing Species Plantation Method Soil and Moisture Conservation Works Protection (Fencing, Watch man, People's Participation etc.) Proposed Monitoring Mechanism

Place: Dharamshala

Dated:

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

Dharamshala

DIVERSION OF 4.5259 HA. OF FOREST LAND FOR CONSTRUCTION OF LINK ROAD FROM KANOL TO MORCH RD 0/0 TO 9/140 KM, DISTRICT KANGRA (H.P.)

FILE NO. : FP/HP/ROAD/70377/2020

DATE OF PROPOSAL:

Scheme for Compenstoy Afforestation for 2021-22 in lieu of Diversion of 4.5259 ha of forest land for Construction of Link Road from Kanol to Morch in District Kangra, H. P.

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		0.00	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	22.33	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	QtI.	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	, Demarçatio	n & Fencing)	57213.96
		7				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
		11. 1			Total - B (F	lanting Cost)	45163.59
		r.				or Say	45160
		ē.			Gran	d Total (A+B)	102370
	1st Year Maintenand	ce Cost	(30 % Be	eating Up):			5
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			1438.80
4	Nursery Cost of Plants	No.	330	17.00			5610.00
5	Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill	Km/ No.	330	1.90			2508.00
6	Repair of Fencing	Rmt.	60	1.80	108.00	0.72	216.00
		1.4		Total/	1st Year Men	tenance Cost	14716.20
				. 0 (01)		or Say	14720

	, 2nd Year Maintena	nce Cost	(20 % B	eating 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	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/ 2	nd Year Ment	enance Cost	9882.81
						or Say	9880
	3rd Year to 10th Year Ma	intenance	Cost (1	0 % Beating	Up):	/1	
_ 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	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
۵	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/ 1	st Year Ment	enance Cost	6919.39
						or Say	6920
C	Survey, Demarcation & Fencing Cost			. :			57210
D	Planting Cost						45160
E	Ist year Maintenance						
F	2 nd year Maintenance .						14720
G							
	3 rd year Maintenance						14720
Н	3 rd year Maintenance 4 th year Maintenance						14720 9880
Н	4 th year Maintenance		·				14720 9880 6920
I H	4 th year Maintenance 5 th year Maintenance						9880 6920 6920
I	4 th year Maintenance 5 th year Maintenance 6 th year Maintenance						14720 9880 6920 6920 6920
J	4 th year Maintenance 5 th year Maintenance 6 th year Maintenance 7 th year Maintenance						14720 9880 6920 6920 6920 6920 6920
J	4 th year Maintenance 5 th year Maintenance 6 th year Maintenance 7 th year Maintenance 8 th year Maintenance						14720 9880 6920 6920 6920 6920 6920
J K L	4 th year Maintenance 5 th year Maintenance 6 th year Maintenance 7 th year Maintenance 8 th year Maintenance 9 th year Maintenance						14720 9880 6920 6920 6920 6920 6920 6920
J K L	4 th year Maintenance 5 th year Maintenance 6 th year Maintenance 7 th year Maintenance 8 th year Maintenance 9 th year Maintenance						14720 9880 6920 6920 6920 6920 6920 6920 6920
I K L M	4 th year Maintenance 5 th year Maintenance 6 th year Maintenance 7 th year Maintenance 8 th year Maintenance 9 th year Maintenance 10 th year Maintenance Total						14720 9880 6920 6920 6920 6920 6920 6920 6920 182330
J K L	4 th year Maintenance 5 th year Maintenance 6 th year Maintenance 7 th year Maintenance 8 th year Maintenance 9 th year Maintenance 10 th year Maintenance Total						14720 9880 6920 6920 6920 6920 6920 6920 6920 182330 9117
I K L M	4 th year Maintenance 5 th year Maintenance 6 th year Maintenance 7 th year Maintenance 8 th year Maintenance 9 th year Maintenance 10 th year Maintenance Total Constituency Charges @ 5%						14720 9880 6920 6920 6920 6920 6920 6920 6920 182330
I K L M	4 th year Maintenance 5 th year Maintenance 6 th year Maintenance 7 th year Maintenance 8 th year Maintenance 9 th year Maintenance 10 th year Maintenance Total Constituency Charges @ 5%						14720 9880 6920 6920 6920 6920 6920 6920 6920 182330 9117 191446.50

. Total Cost Of CA for 9.1 ha is Rs 224950 x 9.1 ha = Rs 20,47,042/-

Dr. Sanjett Sharma (HPFS)
Divisional Forest Officer
Dharamshala Forest Division
Dharamshala, District Kangra