

DIVERSION OF 0.5151 HA. OF FOREST LAND FOR CONSTRUCTION OF LOWER IKU - I
SMALL HYDRO PROJECT 1 MW IN DISTRICT KANGRA (H.P.)

FILE NO. : FP/HP/HYD/41533/2019

DATE OF PROPOSAL :

CHECK LIST SERIAL NUMBER: - 17

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation for Plantation of 1030 number of Plants in 1.03 ha area, to be carried out in lieu of 0.5151 ha. of forest area to be diverted for the construction of Lower Iku – I Small Hydro Project (1 MW) in District Kangra.

1. Detail of degraded forest land /non-forest land:

District Kangra : UP 145 K Dhar Narwana

Tehsil : Dharamshala

Name of Division : Kangra

Range : Mallan

Area to be afforested – 1.03 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	AMOUNT (in Rs)
0 Year	1.03 Hac. (1030 Plants)	2,60,911 /-
1 st Year	1.03 Hac. (1030 Plants)	6,056 /-
2 nd Year	1.03 Hac. (1030 Plants)	3,348 /-
3 rd Year	1.03 Hac. (1030 Plants)	1,998 /-
4 th Year	1.03 Hac. (1030 Plants)	1,998 /-
5 th Year	1.03 Hac. (1030 Plants)	1,998 /-
6 th Year	1.03 Hac. (1030 Plants)	1,998 /-
7 th Year	1.03 Hac. (1030 Plants)	1,998 /-
8 th Year	1.03 Hac. (1030 Plants)	1,998 /-
9 th Year	1.03 Hac. (1030 Plants)	1,998 /-
10 th Year	1.03 Hac. (1030 Plants)	1,998 /-
TOTAL (Rs.)		2,86,299 /-
Contingency Charges 5 %		14,315 /-
TOTAL (Rs.)		3,00,614 /-
Departmental Charges 17.5 %		52,607 /-
GRAND TOTAL (Rs.)		3,53,221 /-


5. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

a.	General Details	Area for Compensatory Afforestation in UP 145K Dhar Narwana, Mallan Range in <u>Dharamshala Division</u> area 1.03 Hac.
b.	Spacement	2.5 X 2.5
c.	Species	Tall Plants
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 : 24-02-2022


Divisional Forest Officer
Dharamshala Forest Division
Dharamshala

DIVERSION OF 0.5151 HA. OF FOREST LAND FOR CONSTRUCTION OF LOWER IKU - I SMALL HYDRO PROJECT, TEHSIL DHARAMSHALA, DISTRICT KANGRA, (H.P.)

FILE NO. FP/HP/HYD/41533/2019

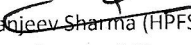
DATE OF PROPOSAL 24/08/2019

Scheme for Compensatory Afforestation for 2020-21 in lieu of Diversion of 0.5151 ha of forest land for Construction of Lower Iku - I Small Hydro Project in District Kangra, H. P.

Village Narwana, Forest Division Dharamshala, Malan Forest Range, District Kangra, Compartment No. UP 145K Dhar Narwana, 1030 Plants in Area 1.03 Hac.

Sr. No.	Particulars of work	Qty.	Unit	Rate per Unit at wage rate of Rs. 150/-	Amount @ Wage Rate of Rs.300/- for Non Tribal Areas
1	Survey & demarcation of plantation area	1.03	Ha.	101.00	208.06
2	Bush Cutting in Strips	1.03	Ha.	1192.80	2457.17
3	Collection of Debris and Burning	1.03	Ha.	681.80	1404.51
4	Preparation of Inspection Path 60 cm wide	258	m	11.00	5676.00
5	Digging of pits 60x60x60 cm	1030	No.	1745%	35947.00
6	Filling of pits 60x60x60 cm.	1030	No.	254%	5232.40
7	Carriage of plants in P/bags from nursery to work site over distance 1 km. (level)	1030	No.	1476%	30405.60
8	Planting of tall plants including ramming	1030	No.	654%	13478.58
9	Cost of RCC fence posts	52	No.	358.00	18616.00
10	Carriage of RCC Fence Post	52	No.	L/S	17200.00
11	Fixing of RCC Posts including strutting	52	No.	696.35%	724.20
12	Stretching and fixing of barbed wire with U-staple in four strands	603	Rmt.	4.80	5788.80
13	Interlacing of thorny bushes with barbed wire	201	Rmt.	4.00	1608.00
14	Cost of barbed wire	0.870	MT.	65100.00	56637.00
15	Cost of U -staple	0.001	MT.	64000.00	70.40
16	Mulching of plants	1030	No.	84.80%	1746.88
17	Irrigation as per need/photography etc.		L/s		5000.00
18	Nursery Cost of Tall Plant	1030	No.	57.00	58710.00
	Total				260910.60
Total Planting Cost					260911.00

1	1st Year Maintenance (1.03 HAC)	6056
2	2nd Year Maintenance (1.03 HAC)	3348
3	3rd Year Maintenance (1.03 HAC)	1998
4	4th Year Maintenance (1.03 HAC)	1998
5	5th Year Maintenance (1.03 HAC)	1998
6	6th Year Maintenance (1.03 HAC)	1998
7	7th Year Maintenance (1.03 HAC)	1998
8	8th Year Maintenance (1.03 HAC)	1998
9	9th Year Maintenance (1.03 HAC)	1998
10	10th Year Maintenance (1.03 HAC)	1998
Total Maintenance Cost		25388
Total Cost		286299
Add: Contingency Charges 5 %		14315
Total		300614
Add: Departmental Charges 17.5 %		52607
Total Cost of CA for 1030 Tall Plants in 1.03 ha		353221


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