

**DIVERSION OF 1.7029 HA. OF FOREST LAND FOR CONSTRUCTION OF GAJ GEHRA SMALL
HYDRO PROJECT 2 MW IN DISTRICT KANGRA (H.P.)**

FILE NO. : FP/HP/HYD/49599/2020

DATE OF PROPOSAL :

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

Detail scheme for Compensatory Afforestation to be carried out in lieu of 1.7029 ha. of forest area to be diverted for the construction of Gaj Gehra Small Hydro Project in District Kangra H.P.

1. Detail of degraded forest land :

District Kangra, Tehsil Dharamshala, Division Dharamshala.	Dharamshala Range, Block/Comptt. CFS Khanyara	Area to be Afforested – 3.42 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:-

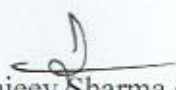
YEAR	AREA	RATE / ha (in Rs.)	TOTAL AMOUNT
0 Year	3.42 Hac.	78640	268949
1 st Year	3.42 Hac.	8350	28557
2 nd Year	3.42 Hac.	5630	19255
3 rd Year	3.42 Hac.	2915	9969
4 th Year	3.42 Hac.	2915	9969
5 th Year	3.42 Hac.	2915	9969
6 th Year	3.42 Hac.	2915	9969
7 th Year	3.42 Hac.	2915	9969
8 th Year	3.42 Hac.	2915	9969
9 th Year	3.42 Hac.	2915	9969
10 th Year	3.42 Hac.	2915	9969
TOTAL (Rs.)			396513
Contingency Charges 5 %			19826
TOTAL (Rs.)			416339
Departmental Charges 17.5 %			72859
TOTAL (Rs.)			489198
OR SAY			Rs. 4,89,200/-

5. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

a.	General Details	Area for Compensatory Afforestation in Forest Range Dharamshala Area 3.42 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 : 17-12-2020

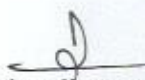

Dr. Sanjeev Sharma (HPFS)
Divisional Forest Officer
Dharamshala Forest Division
Dharamshala

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	1923.90
2	Filling of Pits 45 x 45 x 45 cm	No.	220	2.72	598.40	3.99	1097.07
3	Planting of Plants raised in P/Bags	No.	220	2.18	479.60	3.20	879.27
4	Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill	Km/ No.	220	1.90	836.00	5.57	1532.67
5	Repair of Fencing	Rmt.	60	1.80	108.00	0.72	198.00
Total/ 2nd Year Maintenance Cost							5630.91
or Say							5630

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	961.95
2	Filling of Pits 45 x 45 x 45 cm	No.	220	2.72	299.20	1.99	548.53
3	Planting of Plants raised in P/Bags	No.	220	2.18	239.80	1.60	439.63
4	Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill	Km/ No.	220	1.90	418.00	2.79	766.33
5	Repair of Fencing	Rmt.	60	1.80	108.00	0.72	198.00
Total/ 1st Year Maintenance Cost							2914.44
or Say							2915

C	Survey, Demarcation & Fencing Cost						37200
D	Planting Cost						41440
E	1st year Maintenance						8350
F	2 nd year Maintenance						5630
G	3 rd year Maintenance						2915
H	4 th year Maintenance						2915
I	5 th year Maintenance						2915
J	6 th year Maintenance						2915
K	7 th year Maintenance						2915
L	8 th year Maintenance						2915
M	9 th year Maintenance						2915
N	10 th year Maintenance						2915
	Total						115940
O	Constituency Charges @ 5%						5797.00
	Total						121737.00
P	Departmental Charges @ 17.5%						21303.98
	Grand Total (C to P)						143040.98
	Total Cost of CA for 1 ha						143041

Total Cost Of CA for 16.1 ha is Rs 143041 x 3.42 ha = Rs 4,89,200/-


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