

DIVERSION OF 0.2320 HA. OF FOREST LAND FOR CONSTRUCTION OF 33kV HT LINE SUB STATION AT BHADWAR, NURPUR IN DISTRICT KANGRA (H.P.)

FILE NO. : **FP/HP/SubStation/142137/2021**

DATE OF PROPOSAL : **18/6/21**

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

Detail scheme for Compensatory Afforestation to be carried out in lieu of 0.2320 ha of forest area to be diverted for the construction of 33 kV HT Line Sub-station at Bhadwar in District Kangra (H.P.).

1. Detail of degraded forest land :

District **Kangra**, Village **Bhadwar**,

Tehsil - **Nurpur**

Name of Division - **Nurpur**

Range - **Nurpur**

Block/Compartment/Survey No. - **U-19 Bhadwar, C-21**

Area to be afforested - **0.60 Hac. (Plantation of 464 Plants)**

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:-

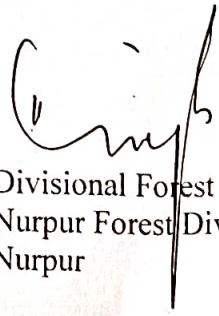
YEAR	RATE (in Rs.)	TOTAL AMOUNT
0 Year	1,09,734 / -	1,09,734 / -
1 st Year	3,528 / -	3,528 / -
2 nd Year	1,950 / -	1,950 / -
3 rd Year	1,164 / -	1,164 / -
4 th Year	1,164 / -	1,164 / -
5 th Year	1,164 / -	1,164 / -
6 th Year	1,164 / -	1,164 / -
7 th Year	1,164 / -	1,164 / -
8 th Year	1,164 / -	1,164 / -
9 th Year	1,164 / -	1,164 / -
10 th Year	1,164 / -	1,164 / -
Total (Rs.)		1,24,524 / -
Add : Contingency 5 %		6,226 / -
Total (Rs.)		1,30,750 / -
Add : Departmental Charges 17.5%		22,881 / -
Grand Total (Rs.)		1,53,631 / -

5. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

a.	General Details	Area for Compensatory Afforestation in Jungle Forest U-19 Bhadwar - C-21, Nurpur Range area 0.6 Hac. for Plantation of 464 Plants
b.	Spacing	2.5 X 2.5
c.	Species	Broad Leave & Fruit growing Trees 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 : Nurpur
Dated : 04/2/20


Divisional Forest Officer
Nurpur Forest Division
Nurpur

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FILE NO.

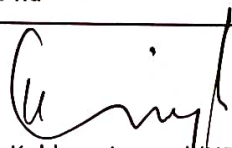
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DATE OF PROPOSAL 18/6/21

Scheme for Compensatory Afforestation for 2020-21 for plantation of 464 Plants in lieu of Diversion of 0.2320 ha of forest land for Construction of 33 kV HT Line Sub-station at Bhadwar, District Kangra, H. P.

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	0.6	Ha.	101.00	121.20
2	Bush Cutting in Strips	0.6	Ha.	1192.80	1431.36
3	Collection of Debris and Burning	0.6	Ha.	681.80	818.16
4	Preparation of Inspection Path 60 cm wide	150	m	11.00	3300.00
5	Digging of pits 60x60x60 cm	464	No.	1745%	16193.60
6	Filling of pits 60x60x60 cm.	464	No.	254%	2357.12
7	Carriage of plants in P/bags from nursery to work site over distance 1 km. (level)	464	No.	1476%	13697.28
8	Planting of tall plants including ramming	464	No.	654%	6071.90
9	Cost of RCC fence posts	30	No.	358.00	10740.00
10	Carriage of RCC Fence Post	30	No.	L/S	17200.00
11	Fixing of RCC Posts including strutting	30	No.	696.35%	417.81
12	Stretching and fixing of barbed wire with U-staple in four strands	351	Rmt.	4.80	3369.60
13	Interlacing of thorny bushes with barbed wire	117	Rmt.	4.00	936.00
14	Cost of barbed wire	0.05	MT.	65100.00	3281.04
15	Cost of U -staple	0.001	MT.	64000.00	64.00
16	Mulching of plants	464	No.	84.80%	786.94
17	Irrigation as per need/photography etc.		L/s		2500.00
18	Nursery Cost of Tall Plant	464	No.	57.00	26448.00
	Total				109734.02
Total Planting Cost					109734.00

1	1st Year Maintenance (0.6 HAC)	3528
2	2nd Year Maintenance (0.6 HAC)	1950
3	3rd Year Maintenance (0.6 HAC)	1164
4	4th Year Maintenance (0.6 HAC)	1164
5	5th Year Maintenance (0.6 HAC)	1164
6	6th Year Maintenance (0.6 HAC)	1164
7	7th Year Maintenance (0.6 HAC)	1164
8	8th Year Maintenance (0.6 HAC)	1164
9	9th Year Maintenance (0.6 HAC)	1164
10	10th Year Maintenance (0.6 HAC)	1164
Total Maintenance Cost		14790
Total Cost		124524
Add: Contingency Charges 5 %		6226
Total		130750
Add: Departmental Charges 17.5 %		22881
Total Cost of CA for 464 Tall Plants in 0.60 ha		153631


 Dr. Kuldeep Jamwal (HPFS)
 Divisional Forest Officer
 Nurpur Forest Division
 Nurpur, District Kangra