

Full Title of the Project: Diversion of 0.0228 ha. forest land in favour of Sh. Nand Ram S/o Sh. Banwari Lal for access to residence on Hisar - Rajgarh Road (NH-52), near Km. Stone No. 133 (LHS) Village Chaudhariwas, in District Hisar, under forest Division & Distt. Hisar Haryana.

FP/HR/Approach/154567/2022

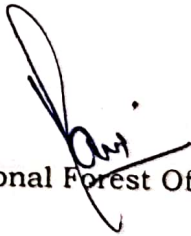
Date of Proposal: 19/04/2022

NPV Calculation Sheet

Net Present Value to be realized in lieu of diversion of 0.0228 Ha. of forest land for Diversion of 0.0228 ha. forest land in favour of Sh. Nand Ram S/o Sh. Banwari Lal for access to residence on Hisar - Rajgarh Road (NH-52), near Km. Stone No. 133 (LHS) Village Chaudhariwas, in District Hisar, under forest Division & Distt. Hisar Haryana have been fixed based on the outcome scientific assessment of ecosystem goods and services.

In this case NPV is calculated as per **Eco Class III (Open)** @ 957780/- per ha. Fitment factor of 1.53 i.e @

Diverted Land 0.0228 X 957780 = 21837


Divisional Forest Officer(T),
Hisar

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CHECK LIST SERIAL NUMBER:- 18

"SCHEME FOR COMPENSATORY AFFORESTATION"

Name of the Forest/Reach to be diverted		Full Title of the Project: Diversion of 0.0228 ha. forest land in favour of Sh. Nand Ram S/o Sh. Banwari Lal for access to residence on Hisar - Rajgarh Road (NH-52), near Km. Stone No. 133 (LHS) Village Chaudhariwas, in District Hisar, under forest Division & Distt. Hisar Haryana.			
Forest Area (in Ha)		0.0228			
Details of de-graded forest land/non forest land where CA is to be carried out :		CA site - Gawar Minor RD 4-7 R/ Side			
Division / District:	Hisar	Range	Hisar	Village.	Choudharywas
2).	Description of Area :				
i	Whether the site selected for Compensatory Afforestation is a land bank or not				Yes
ii	If the C.A site is other than the land bank, reasons be given				N.A
iii	In case of non-forest area identified for CA, then what is the distance of CA site from adjoining forest boundary				N.A
iv	Soil Type			Sandy Loam	
v	Topography :		a. Hilly/Undulating/Plain.		Undulating
			b. Slope:-Steep/Medium/Gentle.		
vi	Whether the area is bearing any root stock of vegetation				No

3 Plantation of Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under :-

Detail of year wise breakup of requirement of funds is as under :-

The plantation cost is calculated for tall plants norms at Plant to Plant spacing and it is approved by the PCCF, Haryana's letter no. CAMPA/232 dated 11-06-2021 on the wage rate of Rs. 363.77/- per day as under :-

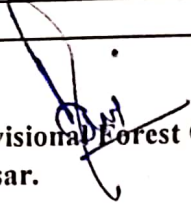
Year	Plant per Year
1 st Year cost of afforestation	315.33
2 nd Year maintenance	86.90
3 rd Year maintenance	54.09
4 th Year maintenance	10.05
5 th Year maintenance	10.05
6 th Year maintenance	10.05
7 th Year maintenance	10.05
8 th Year maintenance	10.05
9 th Year maintenance	10.05
10 th Year maintenance	10.05
Total	526.67

to be Diverted =	0.0228
of trees to be felled-	2
plants to be damaged=	12
Plants to be planted =	100
Area to be Planted (@ 1000 plant per ha.) =	0.10
Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)=	24

S.No	DESCRIPTION		RATE Rs Per Plant	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1 st Year cost of afforestation	100	315.33	31533
	(2) 2 nd Year maintenance		86.90	8690
	(3) 3 rd Year maintenance		54.09	5409
	(4) 4 th Year maintenance		10.05	1005
	(5) 5 th Year maintenance		10.05	1005
	(6) 6 th Year maintenance		10.05	1005
	(7) 7 th Year maintenance		10.05	1005
	(8) 8 th Year maintenance		10.05	1005
	(9) 9 th Year maintenance		10.05	1005
	(10) 10 th Year maintenance		10.05	1005
Total Charges (C.A)				52667
	(11)Barbed Wire Fencing charges= RKM	0.40	Rs. 200000/- Per RKM	80000
G. Total Charges (C.A)				132667
B	Additional Compensatory Afforestation Charges			
	(1) 1 st Year cost of afforestation	24	315.33	7567.92
	(2) 2 nd Year maintenance		86.90	2085.60
	(3) 3 rd Year maintenance		54.09	1298.16
	(4) 4 th Year maintenance		10.05	241.20
	(5) 5 th Year maintenance		10.05	241.20
	(6) 6 th Year maintenance		10.05	241.20
	(7) 7 th Year maintenance		10.05	241.20
	(8) 8 th Year maintenance		10.05	241.20
	(9) 9 th Year maintenance		10.05	241.20
	(10) 10 th Year maintenance		10.05	241.20
Total Addl. C.A. Charges				12640
	(11)Barbed Wire Fencing charges= RKM	0.10	Rs. 200000/- Per RKM	19200
G. Total (B) Addl. C.A. Charges				31840
Total (A+B) C.A. Charges				65307
Supervisory / Overhead / Miscellaneous Charges			10% on the CA	6531
Total (A) C.A. Charges				71838
C	Catchment Area Treatment (if required)			
	Soil and Moisture Conservation charges		30% of the Total CA	19592
D	Safety Zone (if required)			
	Additional Charges (if required)	Qty	Rate	
F	Net Present Value of Forest Land to be diverted		Rs. 957780/- ha.	21837
G	Violation Charges (NPV X 5 X 12% Simple Intrest)			0
I	Felling charges = Vol m ³	0.28	Rs. 1200/- Per m ³	336
Total				212803
J	Exigency Charges 3% of the total cost of Total CA Scheme			6384
G.Total				219187

Technical Details :-			
Technical Details of Compensatory Afforestation Scheme are as follows :-			
a	General Details		Plantation will be done with 3 standard Barbed fencing in RF/PF.
b	Spacement.		Plant to Plant
c	Species.		Neem, Bakain, Shisham, Siris, Jamun, Papri, Arjun, Lassora, Tut, Imli, Awla etc.
d	Plantation Method.		Tall Plantation
e	Soil and Moisture Conservation Works.		
f	Protection (Fencing, watchman, Peoples Participation etc).		Fencing
g	Proposed Monitoring Mechanisim.		M&E
h	Any Other Information		No

Place: Hisar
Dated : 02-08-2022


Divisional Forest Officer
Hisar.

Note : CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.