

Full title of the Proposal : Diversion of 0.01 ha. of forest land or access to retail outlet of BPCL Ltd. along Mayyar – Alipur, Road (ODR) km. 2.900 RHS at Village Alipur under Forest division and District Hisar, Haryana.

FP/HR/Approach/50023/2020

Date of Proposal: 24/09/2020

NPV Calculation Sheet

Net Present Value to be realized in lieu of diversion of **0.010 Ha.** of forest land for **Diversion of 0.010 ha. of forest land or access to retail outlet of BPCL Ltd. along Mayyar – Alipur, Road (ODR) km. 2.900 RHS at Village Alipur under Forest division and District Hisar, Haryana** have been fixed based on the outcome scientific accessment 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 0.010 X 957780 = 9578


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 Proposal : Diversion of 0.01 ha. of forest land or access to retail outlet of BPCL Ltd. along Mayyar – Alipur, Road (ODR) km. 2.900 RHS at Village Alipur under Forest division and District Hisar, Haryana.			
Forest Area (in Ha)		0.010			
Details of de-graded forest land/non forest land where CA is to be carried out :		<u>CA site - Balsmand Branch RD 42.910 - 45.600 L/Side</u>			
Division / District:	Hisar	Range	Hisar	Village.	Alipur
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 =	0.010
of trees to be felled-	1
ants to be damaged=	0
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)=	0

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	0	315.33	0.00
	(2)	2 nd Year maintenance		86.90	0.00
	(3)	3 rd Year maintenance		54.09	0.00
	(4)	4 th Year maintenance		10.05	0.00
	(5)	5 th Year maintenance		10.05	0.00
	(6)	6 th Year maintenance		10.05	0.00
	(7)	7 th Year maintenance		10.05	0.00
	(8)	8 th Year maintenance		10.05	0.00
	(9)	9 th Year maintenance		10.05	0.00
	(10)	10 th Year maintenance		10.05	0.00
	Total Addl. C.A. Charges				0
	(11) Barbed Wire Fencing charges= RKM	0.00	Rs. 200000/- Per RKM	0	
G. Total (B) Addl. C.A. Charges				0	
Total (A+B) C.A. Charges				52667	
Supervisory / Overhead / Miscellaneous Charges			10% on the CA	5267	
Total (A) C.A. Charges				57934	
C	Catchment Area Treatment (if required)				
	Soil and Moisture Conservation charges		30% of the Total CA	15800	
D	Safety Zone (if required)				
	Additional Charges (if required)		Qty	Rate	
	Farm Yard Manure Vermi Compost 50		bag	10000/-	10000
	Chain Saw MS 361		1 No.	28814/-	28814
	Chain 25"		4 No.	1258/-	5032
			Total	43846	
F	Net Present Value of Forest Land to be diverted		Rs. 957780/- ha.	9578	

	Violation Charges (NPV X 5 X 12% Simple Intrest)			0
	Felling charges = Vol m ³	1.13	Rs. 1200/- Per m ³	1356
			Total	164668
J	Exigency Charges 3% of the total cost of Total CA Scheme			4940
			G.Total	169608
3	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 : 23-09-2022

Divisional Forest Officer
Hisar.

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