

Full Title of the Project: Diversion of 0.0237 ha. Forest land for access to retail outlet of IOCL on Khasra no 117//2/2, 3,4 at Village Nandha, on Badhra- Satnali road (MDR-125), Tehsil Badhra, Distt. Charkhi Dadri under Forest Division Charkhi Dadri.

File No. : FCA FP/HR/Approach/142616/2022

Date of Proposal: 26.5.2021

CHECK LIST SERIAL NUMBER:-18

Name of the Forest/Reach to be diverted:Vill -Nandha
 Diversion of forest land for.....Fuel Station Indian Oil Corporation Ltd.....
 Forest Area =0.0237 ha.

Details of degraded forest land/non-forest land where C.A. is to be carried out.

DivisionCh. Dadri..... District..... Ch. Dadri.....
 TehsilBadhra Range... .Badhra - Naurangabass Rajputtan R.F

Area to be Afforested :- 0.20 ha.

- Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No):No.
- If the CA site is other than the land bank, reasons be given:-
 In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :-
 - Soil type: ...Sandy
 - Topography a. Hilly/Undulating/Plain:
 b. Slope:-Steep/Medium/Gentle:
 - Whether the area is bearing any root stock of vegetation:-

Plantation Model:-

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

1. Schedule of Plantation Programme:-

Detail of year wise break-up of requirements of funds is as under:-

The plantation cost is calculated for Tall Plants norms at 4m x 2½m spacing at the wage rate of Rs. 393 per day as under:-

Year	Rate per Plant
1 st Year cost of afforestation	Rs. 400 Per Plant
2 nd Year maintenance	Rs. 98 Per Plant
3 rd Year maintenance	Rs. 61 Per Plant
4 th Year maintenance	Rs. 25 Per Plant
5 th Year maintenance	Rs. 27 Per Plant
6 th Year maintenance	Rs. 30 Per Plant
7 th Year maintenance	Rs. 33 Per Plant
8 th Year maintenance	Rs. 36 Per Plant
9 th Year maintenance	Rs. 40 Per Plant
10 th Year maintenance	Rs. 44 Per Plant
Total	Rs. 794

Area to be Diverted : 0.0237 ha.

No. of Trees to be felled : 02

No. of Plants to be damaged : 10

Area to be planted under normal CA : $0.0237 \times 2 = 0.0474 \times 1000 = 47.4$ (Double the area to be diverted)

Plants to be Planted under normal CA : 100 (@ 1000 plants per ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged) = $10 \times 2 = 20$

Area to planted under Addl. CA : 0.02

Total No. of plants to be planted (CA+ACA) : $100+20=120$

Total Area to be planted (CA+ACA) : 0.12 ha. (@ 1000 plants per ha.)

S.No	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1 st Year cost of afforestation	100	Rs. 400 Per Plant	40000
	(2) 2 nd Year maintenance		Rs. 98 Per Plant	9800
	(3) 3 rd Year maintenance		Rs. 61 Per Plant	6100
	(4) 4 th Year maintenance		Rs. 25 Per Plant	2500
	(5) 5 th Year maintenance		Rs. 27 Per Plant	2700
	(6) 6 th Year maintenance		Rs. 30 Per Plant	3000
	(7) 7 th Year maintenance		Rs. 33 Per Plant	3300
	(8) 8 th Year maintenance		Rs. 36 Per Plant	3600
	(9) 9 th Year maintenance		Rs. 40 Per Plant	4000
	(10) 10 th Year maintenance		Rs. 44 Per Plant	4400
	C.A. Charges			79400/.
	(11) Barbed wire fencing charge = $100/250 = 0.4$ RKM		Rs. 200000/- Per RKM	80000/.
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	7940/
	Sub Total (A) Total C.A. Charges			167340/.
B	Additional Compensatory Afforestation Charges			
	(1) 1 st Year cost of afforestation	20	Rs. 400 Per Plant	8000
	(2) 2 nd Year maintenance		Rs. 98 Per Plant	1960
	(3) 3 rd Year maintenance		Rs. 61 Per Plant	1220

	(4) 4 th Year maintenance		Rs. 25 Per Plant	500
	(5) 5 th Year maintenance		Rs. 27 Per Plant	540
	(6) 6 th Year maintenance		Rs. 30 Per Plant	600
	(7) 7 th Year maintenance		Rs. 33 Per Plant	660
	(8) 8 th Year maintenance		Rs. 36 Per Plant	720
	(9) 9 th Year maintenance		Rs. 40 Per Plant	800
	(10) 10 th Year maintenance		Rs. 44 Per Plant	880
	Addl. C.A. Charges			15880/.
	(11) Barbed wire fencing charge=20/250=0.08 RKM	Rs.200000/- Per RKM		16000/.
	Sub Total (B) Total Addl. C.A. Charges			31880/.
C	Penal C.A.			
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges			00
	Sub Total (D)			
E	Safety Zone			0
F	Additional Charges			
G	Felling charges =3.68	Rs.1400 /- per m ³		5152/.
	GRAND TOTAL (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund Rs. Or Say			204372/.

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacement:- 4 x 2½ meter
- Species:- Dalburgia Sisoo(Sisham), Syzygium cumini(Jamun), Malia Arcide(Bakin), Azadirachta indica(Neem).
- Plantation Method :- Tall Plant..... Plantation
- Soil and Moisture Conservation Works
- Protection (Fencing, Watch man, People's Participation etc.):**- Fencing**
- Proposed Monitoring Mechanism:- **(M&E),**
- Any Other Information:- Nil.

Divisional Forest Officer,
Charkhi Dadri

17/3/23

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NPV Calculation sheet

	<u>Description</u>	<u>Total Area</u>	<u>Rate</u>	<u>Total Amount(Rs)</u>
A	<u>Net Present Value of Forest land to be diverted</u>	<u>0.0237</u>	<u>Rs.957780(Lac/ha)</u>	<u>22699.386/.</u>
<u>Diverted land details</u>				
<u>Project land category</u>		<u>Conditions</u>		
<u>1.</u>	<u>Eco Class</u>	<u>III</u>		
<u>2.</u>	<u>Canopy Density</u>	<u>Very Dense/Dense/Open</u>		
<u>3.</u>	<u>Density of Vegetation</u>	<u>0.3</u>		
<u>4.</u>	<u>Is Forest Area in National Park</u>	<u>10 times of NPV</u>	<u>NA</u>	
<u>5.</u>	<u>Wild Life Sanctuary</u>	<u>5 times of NPV</u>	<u>NA</u>	
<u>6.</u>	<u>Project type wise</u>	<u>50% for wind power project type wise</u>	<u>NA</u>	
	<u>Total NPV Payable</u>			<u>22699.386/.</u>

Place: Charkhi Dadri

Date: 27.12.2022

Divisional Forest Officer
Charkhi Dadri
Charkhi Dadri