

Full Title of the Project : Diversion of 0.0056 ha. of forest land to proposed New Retail Outlet of IOCL at Village Kailash (on Karnal-Tikri Kalan road) (ODR), RD 1.650(LHS) at Village/Town Kailash, Block Karnal, under Forest Division & Distt. Karnal (Haryana).

File No. : FP/HR/APPROACH/43890/2020.
Date of Proposal :- 22.06.2020

CHECK LIST SERIAL NUMBER: 18

“SCHEME FOR COMPENSATORY AFFORESTATION”

Name of the Forest/Reach to be diverted: Diversion of 0.0056 ha. of forest land to proposed New Retail Outlet of IOCL at Village Kailash (on Karnal-Tikri Kalan road) (ODR), RD 1.650(LHS) at Village/Town Kailash, Block Karnal, under Forest Division & Distt. Karnal (Haryana).

Forest Area = 0.0056 Hect.

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

Division :- **Karnal** District :- **Karnal**
 Tehsil:- **Gharaunda** Range :- **Karnal**

Refineary Chanel RD 0 to 13.5

Area to be Afforested :- **0.100 Hect.**

- Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No):-
No, the site selected for compensatory Afforestation is not a land bank.
- If the CA site is other than the land bank, reasons be given:-**There is no land available in the land bank in Karnal. Plantation will be carried out in Protected forest area.**
- In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :-:- **C.A. will be carried out in protected forest Area.**
 - Soil type: **Sandy Loam**
 - Topography
 - Hilly/Undulating/Plain: **Plain**
 - Slope:-Steep/Medium/Gentle: **Gentle**
 - Whether the area is bearing any root stock of vegetation:-**No**

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. 347.08/- per day as under:- (inclusion with 10% per year future maintenance cost Norms)

Year	Rate per Plant
1 st Year cost of afforestation	Rs. 395/- Per Plant
2 nd Year maintenance	Rs. 138/- Per Plant
3 rd Year maintenance	Rs. 55/- Per Plant
4 th Year maintenance	Rs. 22/- Per Plant
5 th Year maintenance	Rs. 24/- Per Plant
6 th Year maintenance	Rs. 26/- Per Plant
7 th Year maintenance	Rs. 27/- Per Plant
8 th Year maintenance	Rs. 28/- Per Plant
9 th Year maintenance	Rs. 30/- Per Plant
10 th Year maintenance	Rs. 32/- Per Plant

Area to be Diverted :- **0.0056 ha.**

No. of trees to be felled :- 0

Plants to be damaged:- 0

Plants to be planted (Ten time of the trees to be felled): NA

Area to be Planted = Double area@ 1000 plant per ha.=NA

Minimum Plants to be Planted: - (CA)100 Plants

CA RKM100/250 = 0.4 RKM

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged) :- NIL

Sr. No.	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1 st Year cost of afforestation	100	Rs. 395/- Per Plant	39500
	(2) 2 nd Year maintenance	Plants	Rs. 138/- Per Plant	13800
	(3) 3 rd Year maintenance		Rs. 55/- Per Plant	5500
	(4) 4 th Year maintenance		Rs. 22/- Per Plant	2200
	(5) 5 th Year maintenance		Rs. 24/- Per Plant	2400
	(6) 6 th Year maintenance		Rs. 26/- Per Plant	2600
	(7) 7 th Year maintenance		Rs. 27/- Per Plant	2700
	(8) 8 th Year maintenance		Rs. 28/- Per Plant	2800
	(9) 9 th Year maintenance		Rs. 30/- Per Plant	3000
	(10) 10 th Year maintenance		Rs. 32/- Per Plant	3200

	(11) Barbed wire fencing charge=0.4 RKM	Rs.200000/-Per RKM	80000	
	Total CA Charges		157700	
	Supervisory / Overhead / Miscellaneous Charges	10% on theCA charges	15770	
	Sub Total (A) Total C.A. Charges		173470	
B	Additional Compensatory Afforestation Charges			
	(1) 1 st Year cost of afforestation	NIL	Rs. 395/- Per Plant	0
	(2) 2 nd Year maintenance		Rs. 127/- Per Plant	0
	(3) 3 rd Year maintenance		Rs. 46/- Per Plant	0
	(4) 4 th Year maintenance		Rs.18/- Per Plant	0
	(5) 5 th Year maintenance		Rs. 18/- Per Plant	0
	(6) 6 th Year maintenance		Rs. 18/- Per Plant	0
	(7) 7 th Year maintenance		Rs. 18/- Per Plant	0
	(8) 8 th Year maintenance		Rs. 18/- Per Plant	0
	(9) 9 th Year maintenance		Rs. 18/- Per Plant	0
	(10) 10 th Year maintenance		Rs. 18/- Per Plant	0
	Barbed wire fencing charge= 0.0RKM		Rs.76700/-Per RKM	0
	Sub Total (B) Total Addl. C.A. Charges			0
C	Penal C.A.	-		NA
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges	30% of the Total CA		52041
	Sub Total (D)			52041
E	Safety Zone			NA
F	Additional Charges			
	Tree Guard @2000x100			0
			0
	Sub Total (F)			
G	Net Present Value of Forest Land to be diverted 0.0056 Hect.	Rs. 887000/- per ha.		4967
H	Felling charges =NIL	Rs.1400 /- per m ³		0
I	Plantation damage charges = Not app	Rs. 236/- per plant		0
	GRAND TOTAL (A+B+C+D+E+F+G+H+I) to be deposited in CAMPA Fund			230478

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) **General Detail :-** Compensatory Afforestation will carried out along With,

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Refinery Chancel RD 0 to 13.5

- b) Spacing:- 4x4mtr a Part
- c) Species:- Neem & Shisham, Jamun/Jamoa etc.
- d) Plantation method :- Tall Plantation
- e) Soil and Moisture Conservation Works :- -Nil-
- f) Protection (Fencing, Watch man, People's, Participation etc) :- Fencing
- g) Proposed Monitoring Mechanism: - Checking of Plantation work will be done by RFO, DCF, CF&DCF(M&E)
- h) Any other information :- Nil

Place:-Karnal

Divisional Forest Officer
Divisional Forest Officer,
Karnal Forest Division,
Karnal KARNAL

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