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Full Title of the Project: **Diversion of 0.0240335 Ha. of forest land for installation of proposed BPCL Retail outlet at Km 77.328, NH 248A , Mustil No. 44, Kila No. 11/1 at village & Tehsil Firozpur jhirka Distt. Nuh, State Haryana.**

File No. : **FP/HR/Approach/40904/2019**
Date of Proposal: **11.07.2019**

CHECK LIST SERIAL NUMBER:-18
"SCHEME FOR C.A."

Name of the Forest/Reach to be diverted: **Diversion of 0.0240335 Ha. of forest land for installation of proposed BPCL Retail outlet at Mustil No. 44, Kila No. 11/1 at village & Tehsil Firozpur jhirka Distt. Nuh, State Haryana**

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

Division: **-Nuh District -Nuh**

Tehsil **Firozpur Jhirka Range Firozpur Jhirka**

C.A. Site name : **jhir Sec 4-5**

GPS Reading :- **Jhir Sec 4-5**

N 27.817864 E 76.922106

N 27.818442 E 76.921009

N 27.819227 E 76.921677

N 27.818739 E 76.922552

N 27.818459 E 76.922578

Area to be Afforested :-

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

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 is calculated for Plantation as per Tall Plants. At 5m X 4m spacing and 250 plants per Hec. at the wages rate approved at Rs.318.46/- per day as under:-

Sr. No.	Year	Rate per plant
1	1 st Year Plantation	359.10/- Per Plant
2	2 nd Year Maintenance	115.35/- Per Plant
3	3 rd Year Maintenance	41.89/- Per Plant
4	4 th Year Maintenance	15.58/- Per Plant
5	5th Year Maintenance	15.58/- Per Plant
6	6th Year Maintenance	15.58/- Per Plant
7	7th Year Maintenance	15.58/- Per Plant
8	8th Year Maintenance	15.58/- Per Plant
9	9th Year Maintenance	15.58/- Per Plant
10	10th Year Maintenance	15.58/- Per Plant
	Total Cost.	625.40 /-

Area to be Diverted = 0.0240335 ha.

No. of trees to be felled= 5 No.

Plants to be damaged= 48 No.

Plants to be planted= 100 No.

Area to be planted = Two time of the area to be diverted= $0.0240335 \times 2 = 0.0480670$ ha.

Plants to be Planted = 100 (@ 1000 plant per ha.)

Additional C.A in lieu of plants to be damaged (Double) the plants to be damaged) 96 No.

S. No.	Description	No. of plants	Rate	Total Amount (Rs.)
A	Compensatory Afforestation Charges			
1	1st Year Plantation	100	359.10/- Per Plant	35910
2	2nd Year Plantation	100	115.35/- Per Plant	11535
3	3rd Year Plantation	100	41.89/- Per Plant	4189
4	4th Year Plantation	100	15.58/- Per Plant	1558
5	5th Year Plantation	100	15.58/- Per Plant	1558
6	6th Year Plantation	100	15.58/- Per Plant	1558
7	7th Year Plantation	100	15.58/- Per Plant	1558
8	8th Year Plantation	100	15.58/- Per Plant	1558
9	9th Year Plantation	100	15.58/- Per Plant	1558
10	10th Year Plantation	100	15.58/- Per Plant	1558
11	Barbed Wire Fencing Charge	0.4 RKM	Rs. 160000 per km.	64000
	Total Charges)			126540

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	Supervisory/Overhead/Miscellaneous Charges		10% On the CA Charges	12654
	Total (A) C.A Charges			139194
Additional Compensatory Afforestation Charges				
B	Compensatory Afforestation Charges	No. of Plants		
1	1st Year Plantation	96	359.10/- Per Plant	34473.6
2	2nd Year Plantation	96	115.35/- Per Plant	11073.60
3	3rd Year Plantation	96	41.89/- Per Plant	4021.44
4	4th Year Plantation	96	15.58/- Per Plant	1495.68
5	5th Year Plantation	96	15.58/- Per Plant	1495.68
6	6th Year Plantation	96	15.58/- Per Plant	1495.68
7	7th Year Plantation	96	15.58/- Per Plant	1495.68
8	8th Year Plantation	96	15.58/- Per Plant	1495.68
9	9th Year Plantation	96	15.58/- Per Plant	1495.68
10	10th Year Plantation	96	15.58/- Per Plant	1495.68
11	Barbed Wire Fencing Charge=	0.384 RKM	Rs. 160000 per km.	61440
	Total (B) Addl. C.A Charges			121478
C	Catchment Area Treatment (if required)			
	Soil and Moisture Conservation Charges		30% of the Total C.A	78202
D	Safety Zone (if required)			0
E	Additional Charges (if required)			0
F	Net Present Value of Forest Land to be diverted		Rs. 887000/- per ha.	21318
G	Felling Charges = M³	7.79 m3	Rs.1200/- per m3	9348
H	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G+H)			11086
GRANT TOTAL				380626

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Details:- Plantation will be done with 3 strand barbed wire.
- b) Spacement:- 4 x 5 meter
- c) Species:- Ronj (Acacia leucophloea), Khairi (Prosopis cineraria), Pahari Papri (Holoptelea integrifolia), Neem (Azadirachta indica).
- d) Plantation Method :- Tall Plantation
- e) Soil and Moisture Conservation Works:-
- f) Protection (Fencing, Watch man, People's Participation etc.):- **Fencing**
- g) Proposed Monitoring Mechanism:- (M&E)
- h) Any Other information:- Nil.

Place:

Dated :


 Divisional Forest Officer
 Mewat-Nuh
 NUB

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