

Full Title of the Project: Diversion of 0.0761 ha. of forest land for access to proposed HPCL Pump on Jhumpa-Lohani road (MDR-110) at Km 33.489 (RHS) (new Km 24.820) at Village Bidhnoi , Tehsil Behal & Distt. Bhiwani, under Forest Division, Bhiwani.

File No. : FCA/S/ FP/HR/Approach/148322/2021.

Date of Submission: 11/10/2021.

CHECK LIST SERIAL NUMBER:-18

"SCHEME FOR C.A."

Name of the Forest/Reach to be diverted - Forest land for access to proposed HPCL Pump on Jhumpa-Lohani road (MDR-110) at Km 33.489 (RHS) (new Km 24.820) at Village Bidhnoi , Tehsil Behal & Distt. Bhiwani, under Forest Division, Bhiwani.

Forest Area = 0.0761 ha.

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

Division: District :

Area to be Afforested :- 0.22 ha.

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No): No.
- b) 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 :-
- i) Soil type: **Good**
- ii) Topography a. Hilly/Undulating/Plain: **Plain**
b. Slope:-Steep/Medium/Gentle: **Gentle**
- iii) 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. 382 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 : 0.0761 ha.

No. of Trees to be felled : 22

No. of Plants to be damaged : 00.

Area to be planted under normal CA : 0.22 (Double the area to be diverted)

Plants to be Planted under normal CA : 220 nos. (@ 1000 plants per ha.)

Additional C.A. : 0 ha. in lieu of plants to be damaged (Double the plants to be damaged)= 0 Plants

Area to planted under Addl. CA : 0 (@ 1000 plants per ha.)

Total No. of plants to be planted (CA) 220

Total Area to be planted (CA+Addl.CA) : 0.22 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	220	Rs. 400/- Per Plant	88000
	(2) 2 nd Year maintenance		Rs. 98/- Per Plant	21560
	(3) 3 rd Year maintenance		Rs. 61/- Per Plant	13420
	(4) 4 th Year maintenance		Rs. 25/- Per Plant	5500
	(5) 5 th Year maintenance		Rs. 27/- Per Plant	5940
	(6) 6 th Year maintenance		Rs. 30/- Per Plant	6600
	(7) 7 th Year maintenance		Rs. 33/- Per Plant	7260
	(8) 8 th Year maintenance		Rs. 36/- Per Plant	7920
	(9) 9 th Year maintenance		Rs. 40/- Per Plant	8800
	(10) 10 th Year maintenance		Rs. 44/- Per Plant	9680
	(11) Barbed wire fencing charge= $220/250=0.88$ Both sides $0.88 \times 2 = 1.76$ RKM		Rs.200000/- Per RKM	352000
	Total Charges			526680
Supervisory / Overhead / Miscellaneous Charges			10% on the CA charges	52668
Sub Total (A) Total C.A. Charges			579348	
B	Additional Compensatory Afforestation Charges			
	(1) 1 st Year cost of afforestation	0	Rs. 400/- Per Plant	0
	(2) 2 nd Year maintenance		Rs. 98/- Per Plant	0
	(3) 3 rd Year maintenance		Rs. 61/- Per Plant	0
	(4) 4 th Year maintenance		Rs. 25/- Per Plant	0
	(5) 5 th Year maintenance		Rs. 27/- Per Plant	0
	(6) 6 th Year maintenance		Rs. 30/- Per Plant	0

	(7) 7 th Year maintenance		Rs. 33/- Per Plant	0
	(8) 8 th Year maintenance		Rs. 36/- Per Plant	0
	(9) 9 th Year maintenance		Rs. 40/- Per Plant	0
	(10) 10 th Year maintenance		Rs. 44/- Per Plant	0
	(11) Barbed wire fencing charge= 0/250 = 0 Both sides = 0 X 2 = 0 RKM		Rs.200000/- Per RKM	0
	Sub Total (B) Total Addl. C.A. Charges			0
C	Penal C.A.			
	Total			579348
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges	30% of the Total CA		173805
	Sub Total (D)			0
E	Safety Zone			0
F	Additional Charges			
			0
			0
	Sub Total (F)			0
G	Net Present Value of Forest Land to be diverted = 0.0761 ha.		Rs. 1228590/- per ha.	93496
H	Felling charges 6.79 m ³		Rs.1400 /- per m ³	9506
I	Plantation damage charges = 0 Plants		Rs. 236/- per plant	0
	GRAND TOTAL (A+B+C+D+E+F+G+H+I) to be deposited in CAMPA Fund			856155

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacing:- 4 x 2½ meter
- Species:-
- Plantation Method :- Plantation
- Soil and Moisture Conservation Works
- Protection (Fencing, Watch man, People's Participation etc.):- **Fencing**
- Proposed Monitoring Mechanism:- (M&E),
- Any Other information:- Nil.

Date:

Place Bhiwani

Deputy Conservator of Forest,
Bhiwani

Handwritten signature and date:
21/12/22