

**Full Title of the Project :** Diversion of 0.8085 Ha. Forest land for construction of 220 KV D/C Transmission line from Existing 220/400 KV D/C Sub Station Dhanonda to 220 KV Sub Station Deroli Ahir through various strip Forests under forest division and district Mahendergarh.  
**File No. :** FP/HR/Trans/140597/2021  
**Date of Proposal :** 04-04-2021

## **CHECK LIST SERIAL NUMBER :- 18** **"SCHEME FOR C.A. " (Model-1)**

Name of the Forest/Reach to be diverted for const. of 220 KV/DC Transmission line from Existing 400/220 KV D/C Sub Station Dhanonda to 220 KV Sub Station Deroli Ahir through various strip Forests under forest division and district Mahendergarh.

Forest Area = 0.8085 ha.

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

Division: Mahendergarh District: Mahendergarh Range: Mahendergarh C.A. Site

Name: PLPA aarea Madhogarh Sec. 4 & 5 to be afforested:-

- i) Whether the site selected for Compensatory Afforestation is a Land bank or  
Not: - No, the site selected for compensatory afforestation is not a land bank.
- ii) If the CA site is other than the land bank, reasons are given: - There is no land bank in District Mahendergarh. **Plantation will be done PLPA area.**  
In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:-
- iii) Soil type Sandy Loam
- iv) Topography a. Hilly/Undulating/Plain:  
b. Slope: - Steep/Medium/Gentle
- v) Whether the area is bearing any root stock of vegetation:-A.tortilis, Mesquite.

**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 Estimated cost of plantation & Maint. of 2090 Plants for next ten year by revising the existing CA Scheme of 625.40 Rs. per plants from wage rate Rs. 326.82/- per day to Rs. 382/- per day 791.05 per plants in the year 2021-22 as under :-



S.No.	Year	Rate Per Plant
1	1 <sup>st</sup> Year Plantation	Rs. 399.27/- Per Plant
2	2 <sup>nd</sup> Year Plantation	Rs. 98.03/- Per Plant
3	3 <sup>rd</sup> Year Plantation	Rs. 60.88/- Per Plant
4	4 <sup>th</sup> Year Plantation	Rs. 24.87/- Per Plant
5	5 <sup>th</sup> Year Plantation	Rs. 26.82/- Per Plant
6	6 <sup>th</sup> Year Plantation	Rs. 29.82/- Per Plant
7	7 <sup>th</sup> Year Plantation	Rs. 32.69/- Per Plant
8	8 <sup>th</sup> Year Plantation	Rs. 35.90/- Per Plant
9	9 <sup>th</sup> Year Plantation	Rs. 39.49/- Per Plant
10	10 <sup>th</sup> Year Plantation	Rs. 43.29/- Per Plant
<b>Total Cost</b>		<b>Rs. 791.05</b>

Area to be Diverted : 0.8085 ha.

No. of Trees to be felled : 175

No. of Plants to be damaged :170

Area to be planted under normal CA : 1.750 ha. (Ten time of damaged tree)

Plants to be Planted under normal CA : 1750 (@ 1000 plants per ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)= 340 Plants

Area to planted under Addl. CA : 0.340 ha. (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 2090

Total Area to be planted (CA+Addl.CA) : 2.090 ha. (@ 1000 plants per ha.)

A	Compensatory Afforestation Charges	No. of Plants	Rate	Total Amount (Rs.)
	(1) 1 <sup>st</sup> Year cost of afforestation	1750	Rs. 399.27/- Per Plant	698723
	(2) 2 <sup>nd</sup> Year maintenance	1750	Rs. 98.03/- Per Plant	171553
	(3) 3 <sup>rd</sup> Year maintenance	1750	Rs. 60.88/- Per Plant	106540
	(4) 4 <sup>th</sup> Year maintenance	1750	Rs. 24.87/- Per Plant	43523
	(5) 5 <sup>th</sup> Year Maintenance	1750	Rs. 26.82/- Per Plant	46935
	(6) 6 <sup>th</sup> Year Maintenance	1750	Rs. 29.82/- Per Plant	52185
	(7) 7 <sup>th</sup> Year Maintenance	1750	Rs. 32.69/- Per Plant	57208
	(8) 8 <sup>th</sup> Year Maintenance	1750	Rs. 35.90/- Per Plant	62825
	(9) 9 <sup>th</sup> Year Maintenance	1750	Rs. 39.49/- Per Plant	69108
	(10) 10 <sup>th</sup> Year Maintenance	1750	Rs. 43.29/- Per Plant	75758
	(11) Barbed wire fencing charge	7 rkm	Rs. 200000/- Per RKM	1400000
	<b>Total charges</b>			<b>2784358</b>



	Supervisory/Overhead/Miscellaneous Charges		10% on the total CA charges	278436
	<b>Sub Total (A) C.A. charges</b>			<b>3062794</b>
<b>B</b>	<b>Additional Compensatory Afforestation Charges</b>	<b>No. of Plants</b>	<b>Rate</b>	<b>Total Amount (Rs.)</b>
	(1) 1 <sup>st</sup> Year cost of afforestation	340	Rs. 399.27/- Per Plant	135752
	(2) 2 <sup>nd</sup> Year maintenance	340	Rs. 98.03/- Per Plant	33330
	(3) 3 <sup>rd</sup> Year maintenance	340	Rs. 60.88/- Per Plant	20699
	(4) 4 <sup>th</sup> Year maintenance	340	Rs. 24.87/- Per Plant	8456
	(5) 5 <sup>th</sup> Year Maintenance	340	Rs. 26.82/- Per Plant	9119
	(6) 6 <sup>th</sup> Year Maintenance	340	Rs. 29.82/- Per Plant	10139
	(7) 7 <sup>th</sup> Year Maintenance	340	Rs. 32.69/- Per Plant	11115
	(8) 8 <sup>th</sup> Year Maintenance	340	Rs. 35.90/- Per Plant	12206
	(9) 9 <sup>th</sup> Year Maintenance	340	Rs. 39.49/- Per Plant	13427
	(10) 10 <sup>th</sup> Year Maintenance	340	Rs. 43.29/- Per Plant	14719
	(11) Barbed wire fencing charge	1.36 rkm	Rs. 200000/- Per RKM	272000
	<b>Sub Total (B) Total addl. C.A. charges</b>			<b>540962</b>
C	Penal CA			0
D	Catchments Area Treatment			
	Soil and Moisture Conservation charges		30% of total CA	918838
	<b>Sub Total (D)</b>			<b>918838</b>
E	Safety Zone			0
F	Additional Charges			
	i) Chain link fencing	2500	2000 Meter	0
	ii) Pipeline fitting for multiple water points		L.S.	0
	iii) survey & demarcation		L.S.	10000
	iv) Plantation Sign board		L.S.	3000
	<b>Sub Total (F)</b>			<b>13000</b>
G	Felling charges	118.31	1200 per cum	141972
	<b>Grand Total (A+B+C+D+E+F+G+) to be deposited in CAMPA Fund</b>			<b>4677566</b>

2. **Technical details :-**

Technical details of Compensatory Afforestation Scheme are as follows :-

- General Details :- Plantation will be done with 3 strand barbed wire in PLPA areas
- Spacement :- 4 x 2½ meter



- (c) Species :- *Azadirachta indica*, *Holoptelea integrifolia*, *Ficus benghalensis*, *Ficus religiosa*, *Zyzyphus mauritiana*, *Albizia lebbeck* 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 :- (M & E)
- (h) Any other information: - **N.A.**

Divisional Forest Officer  
Mahendergarh Forest Division

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



**Full Title of the Project :**

Diversion of 0.8085 Ha. Forest land for construction of 220 KV D/C Transmission line from Existing 220/400 KV D/C Sub Station Dhanonda to 220 KV Sub Station Deroli Ahir through various strip Forests under forest division and district Mahendergarh.

**File No. :**

Date of Proposal :

FP/HR/Trans/140597/2021  
04-04-2021

**NPV Calculation Sheet**

	Description	Total Area	Rate	Total Amount (RS.)
A	Net Present Value of Forest Land to be diverted	0.8085	Rs. 1228590(Lacs/Ha.	993316/-
Diverted Land Details				
	Project Land Category	Canditions		
1	Eco Class	III		
2	Canopy Density	Very Dense/Dense/Open		
3	Density of Vegetation	0.4		
4	Is Forest Area in National Park	10 times of NPV	NA	
5	Wild Life Sanctuary	5 times of NPV	NA	
6	Project type wise	50% for wind power project/OFC	NA	
	Total NPV Payable			993316/-

Place: Mahendergarh  
Date:07.11.2022

Name : Rohtas Singh, H.F.S.,  
Designation : Divisional Forest Officer

Divisional Forest Officer  
Mahendergarh