

**Full Title of the Project:** Diversion of 1.812 ha. forest land for construction of 2 lane ROB at Bhiwani-Hansi road to Tosham Bye Pass road at L.C. No. 54-A under forest Division Bhiwani

**File No. : FCA** FP/HR/Road/42775/2019

**Date of Submission:**

**CHECK LIST SERIAL NUMBER:-18**

**"SCHEME FOR C.A."**

**Name of the Forest/Reach to be diverted:** Bhiwani-Tosham bypass road  
 Diversion of forest land for .....2-lane ROB.....  
 Forest Area = .....1.81..... ha.

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

Mitathal Feeder from RD 60 to 88 L&R  
 Division ....Bhiwani..... District ..Bhiwani.....  
 Tehsil ..... Range Bhiwani

Area to be Afforested :- 3.63 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: ...Sandy
- ii) Topography a. Hilly/Undulating/Plain: .....  
 b. Slope:-Steep/Medium/Gentle: .....
- iii) 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. 347.08 per day as under:-

Year	Rate per Plant
1 <sup>st</sup> Year cost of afforestation	Rs. 381.28/- Per Plant
2 <sup>nd</sup> Year maintenance	Rs. 122.48/- Per Plant
3 <sup>rd</sup> Year maintenance	Rs. 44.48/- Per Plant
4 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
5 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
6 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
7 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
8 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
9 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
10 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
<b>Total</b>	<b>Rs. 664.02</b>

Area to be Diverted : 1.81 ha.

No. of Trees to be felled : 117 nos.

No. of Plants to be damaged : 7 nos..

Area to be planted under normal CA :  $1.81 \times 2 = 3.62$  (Ten times/Double the area to be diverted)  
 $3.62 \times 10 = 3620$  nos.

Plants to be Planted under normal CA : 3.62 (@ 1000 plants per ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged) =  $7 \times 2 = 14$  nos.

Area to planted under Addl. CA : 0.014 (@ 1000 plants per ha.)

**Total No. of plants to be planted (CA+Addl.CA) :  $3.62 + 0.014 = 3.63$  ha.**

**Total Area to be planted (CA+Addl.CA) : 3.63 ha. (@ 1000 plants per ha.)**

S.No	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1 <sup>st</sup> Year cost of afforestation	3620 nos.	Rs. 381.28/- Per Plant	1380233
	(2) 2 <sup>nd</sup> Year maintenance		Rs. 122.48/- Per Plant	443377
	(3) 3 <sup>rd</sup> Year maintenance		Rs. 44.48/- Per Plant	161017
	(4) 4 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	59874
	(5) 5 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	59874
	(6) 6 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	59874
	(7) 7 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	59874
	(8) 8 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	59874
	(9) 9 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	59874
	(10) 10 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	59874
	(11) Barbed wire fencing charge=14.48 RKM Both side $2 \times 14.48 = 28.96$ RKM		Rs.200000/- Per RKM	5792000
	Total Charges			8195745
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	819574
	<b>Sub Total (A) Total C.A. Charges</b>			<b>9015319</b>
B	<b>Additional Compensatory Afforestation Charges</b>			
	(1) 1 <sup>st</sup> Year cost of afforestation	$7 \times 2 = 14$	Rs. 381.28/- Per Plant	5337
	(2) 2 <sup>nd</sup> Year maintenance		Rs. 122.48/- Per Plant	1714

(3)	3 <sup>rd</sup> Year maintenance		Rs. 44.48/- Per Plant	622
(4)	4 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	231
(5)	5 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	231
(6)	6 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	231
(7)	7 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	231
(8)	8 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	231
(9)	9 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	231
(10)	10 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	231
(11)	Barbed wire fencing charge=0.056x2=0.112 RKM		Rs.200000/- Per RKM	22400
<b>Sub Total (B) Total Addl. C.A. Charges</b>				<b>31690</b>
C	Penal C.A.			
D	<b>Catchment Area Treatment</b>			
	Soil and Moisture Conservation charges		30% of the Total CA	2714102
<b>Sub Total (D)</b>				
E	Safety Zone			
F	<b>Additional Charges</b>			
	Survey and demarcation			100000
	Purchase of auger			150000
<b>Sub Total (F)</b>				
G	Net Present Value of Forest Land to be diverted = 1.81 ha.		Rs. 887000/- per ha.	1605470
H	Felling charges = 40.59m <sup>3</sup>		Rs.1200 /- per m <sup>3</sup>	48708
<b>GRAND TOTAL (A+B+D+E+F+G+H+I) to be deposited in CAMPA Fund</b>				<b>13665289</b>

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 × 2½ meter**
- Species:- Sisham, Jamun, Siras, Lashura, Bakin, P.Papri
- 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**  
**BHIWANI FOREST DIVISION**  
**BHIWANI**