

35

Full Title of the Project: **Diversion of 1.866 ha. of forest land for construction of ROB & its approaches in lieu of existing level crossing No. C-23/T-2 at Km 221.050 on NH-65 (New NH-152) near Siwani town in the State of Haryana on EPC Mode, under Forest Division Bhiwani.**

File No. : FCA/S/

FP/HR/ROAD/141636/2021.

Date of Submission:

21.04.2021.

**CHECK LIST SERIAL NUMBER:-18**

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

Name of the Forest/Reach to be diverted - ROB & its approaches in lieu of existing level crossing No. C-23/T-2 at Km 221.050 on NH-65 (New NH-152) near Siwani town, Bhiwani, Haryana.

Forest Area = 1.866 ha.

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

Division:

District :

Area to be Afforested :- 4.210 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 <sup>st</sup> Year cost of afforestation	Rs. 400 Per Plant
2 <sup>nd</sup> Year maintenance	Rs. 98 Per Plant
3 <sup>rd</sup> Year maintenance	Rs. 61 Per Plant
4 <sup>th</sup> Year maintenance	Rs. 25 Per Plant
5 <sup>th</sup> Year maintenance	Rs. 27 Per Plant
6 <sup>th</sup> Year maintenance	Rs. 30 Per Plant
7 <sup>th</sup> Year maintenance	Rs. 33 Per Plant
8 <sup>th</sup> Year maintenance	Rs. 36 Per Plant
9 <sup>th</sup> Year maintenance	Rs. 40 Per Plant
10 <sup>th</sup> Year maintenance	Rs. 44 Per Plant
<b>Total</b>	<b>Rs.794</b>

Area to be Diverted : 1.866 ha.

No. of Trees to be felled : 203

No. of Plants to be damaged : 239.

Area to be planted under normal CA : 3.732 (Double the area to be diverted)

36

Plants to be Planted under normal CA : 3732 nos. (@ 1000 plants per ha.)  
 Additional C.A. : 0.478 ha. in lieu of plants to be damaged (Double the plants to be damaged)= 478 Plants  
 Area to planted under Addl. CA : 0.478 (@ 1000 plants per ha.)  
**Total No. of plants to be planted (CA) 4210**  
**Total Area to be planted (CA+Addl.CA) : 4.210 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	3732	Rs. 400/- Per Plant	1492800	
	(2) 2 <sup>nd</sup> Year maintenance		Rs. 98/- Per Plant	365736	
	(3) 3 <sup>rd</sup> Year maintenance		Rs. 61/- Per Plant	227652	
	(4) 4 <sup>th</sup> Year maintenance		Rs. 25/- Per Plant	93300	
	(5) 5 <sup>th</sup> Year maintenance		Rs. 27/- Per Plant	100764	
	(6) 6 <sup>th</sup> Year maintenance		Rs. 30/- Per Plant	111960	
	(7) 7 <sup>th</sup> Year maintenance		Rs. 33/- Per Plant	123156	
	(8) 8 <sup>th</sup> Year maintenance		Rs. 36/- Per Plant	134352	
	(9) 9 <sup>th</sup> Year maintenance		Rs. 40/- Per Plant	149280	
	(10) 10 <sup>th</sup> Year maintenance		Rs. 44/- Per Plant	164208	
	(11) Barbed wire fencing charge= 3732/250= 14.928 Both sides 14.928 X 2 = 29.856 RKM			Rs.200000/- Per RKM	5971200
	Total Charges				8934408
	Supervisory / Overhead / Miscellaneous Charges			10% on the CA charges	893441
<b>Sub Total (A) Total C.A. Charges</b>				<b>9827849</b>	
B	<b>Additional Compensatory Afforestation Charges</b>				
	(1) 1 <sup>st</sup> Year cost of afforestation	478	Rs. 400/- Per Plant	191200	
	(2) 2 <sup>nd</sup> Year maintenance		Rs. 98/- Per Plant	46844	
	(3) 3 <sup>rd</sup> Year maintenance		Rs. 61/- Per Plant	29158	
	(4) 4 <sup>th</sup> Year maintenance		Rs. 25/- Per Plant	11950	
	(5) 5 <sup>th</sup> Year maintenance		Rs. 27/- Per Plant	12906	
	(6) 6 <sup>th</sup> Year maintenance		Rs. 30/- Per Plant	14340	
	(7) 7 <sup>th</sup> Year maintenance		Rs. 33/- Per Plant	15774	

	(8) 8 <sup>th</sup> Year maintenance	Rs. 36/- Per Plant	17208
	(9) 9 <sup>th</sup> Year maintenance	Rs. 40/- Per Plant	19120
	(10) 10 <sup>th</sup> Year maintenance	Rs. 44/- Per Plant	21032
	(11) Barbed wire fencing charge= $478/250=1.912$ Both sides = $1.912 \times 2 = 3.824$ RKM	Rs.200000/- Per RKM	764800
	<b>Sub Total (B) Total Addl. C.A. Charges</b>		<b>1144332</b>
C	Penal C.A.		
	<b>Total</b>		
D	<b>Catchment Area Treatment</b>		
	Soil and Moisture Conservation charges	30% of the Total CA	3291655
	<b>Sub Total (D)</b>		0
E	Safety Zone		0
F	<b>Additional Charges</b>		
	Survey & Demarcation		400000
	.....		0
	<b>Sub Total (F)</b>		400000
G	Net Present Value of Forest Land to be diverted = 1.866 ha.	Rs. 887000/- per ha.	1655142
H	Felling charges 112.75 m <sup>3</sup>	Rs.1400 /- per m <sup>3</sup>	157850
I	Plantation damage charges = 0 Plants	Rs. 236/- per plant	0
	<b>GRAND TOTAL (A+B+C+D+E+F+G+H+I) to be deposited in CAMPA Fund</b>		<b>16476828</b>

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-  
Plantation will be done with 3 strand barbed wire.

- General Details:-
- Spacement:- 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

*V.K. Singh*  
Deputy Conservator of Forest,  
Bhiwani