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Full Title of the Project:-Diversion of 0.94 ha. of forest land for Construction of 45 Mtr. Wide road behind sector-8, Part-II and sector-9 U.E under Division & Distt. Karnal(Haryana).

File No.:- FP/HR/ROAD/21601/2016

Date of Proposal:- 26.09.2016

CHECK LIST SERIAL NUMBER: 18
"SCHEME FOR COMPENSATORY AFFORESTATION"

Name of the Forest/Reach to be diverted:Diversion of 0.94 ha. of forest land for Construction of 45 Mtr. Wide road behind sector-8, Part-II and sector-9 U.E under Division & Distt. Karnal(Haryana).
Forest Area = 0.94 Hect.

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

Division: - Karnal District: - Karnal
Tehsil:- Karnal Range : Karnal

C.A. Site name: R.F Shekhpura

Area to be Afforested: - $0.94 \times 2 = 1.88$ Hect.

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No):- **No, the site selected for compensatory Afforestation is not a land bank.**
- b) If the CA site is other than the land bank, reasons be given:- **There is no land available in the land bank in Karnal. Plantation will be carried out in reserved forest area.**
- c) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:- **C.A. will be carried out in Reserved forest Area.**
 - i) Soil type: **Sandy Loam**
 - 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. 224/- per day as under:-

Year	Rate per Plant
1 st Year cost of afforestation	Rs. 172/- Per Plant
2 nd Year maintenance	Rs. 64/- Per Plant
3 rd Year maintenance	Rs. 32/- Per Plant
4 th Year maintenance	Rs. 25/- Per Plant
5 th Year maintenance	Rs. 26/- Per Plant
6 th Year maintenance	Rs. 15/- Per Plant
7 th Year maintenance	Rs. 8/- Per Plant
8 th Year maintenance	Rs. 9/- Per Plant
9 th Year maintenance	Rs. 10/- Per Plant
10 th Year maintenance	Rs. 11/- Per Plant
Total	Rs. 372/-

Area to be Diverted :- 0.94 ha.

No. of trees to be felled :- 110

Plants to be damaged:- NiL..

Plants to be planted (Ten time of the trees to be felled):-NA

Area to be Planted = Double area $0.94 \times 2 = 1.88$ hect. @ 1000 plant per ha.

Minimum Plants to be Planted: - 1880 Plants

RKM 1880/250 = 7.52 RKM

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged) : NiL..

Sr. No.	DESCRIPTION	RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants	
	(1) 1 st Year cost of afforestation	1880	Rs. 172/- Per Plant
	(2) 2 nd Year maintenance	Plants	323360
	(3) 3 rd Year maintenance		120320
	(4) 4 th Year maintenance		60160
	(5) 5 th Year maintenance		47000
	(6) 6 th Year maintenance		48880
	(7) 7 th Year maintenance		28200
	(8) 8 th Year maintenance		15040
			16920

	(9) 9 th Year maintenance		Rs. 10/- Per Plant	18800	
	(10) 10 th Year maintenance		Rs. 11/- Per Plant	20680	
	(11) Barbed wire fencing charge = 7.52 RKM		Rs.76700/- Per RKM	576784	
	Total CA Charges			1276144	
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	127614	
	Sub Total (A) Total C.A. Charges			1403758	
B	Additional Compensatory Afforestation Charges				
	(1) 1 st Year cost of afforestation	...Nil...	Rs. 172/- Per Plant	0	
	(2) 2 nd Year maintenance		Rs. 64/- Per Plant	0	
	(3) 3 rd Year maintenance		Rs. 32/- Per Plant	0	
	(4) 4 th Year maintenance		Rs. 25/- Per Plant	0	
	(5) 5 th Year maintenance		Rs. 26/- Per Plant	0	
	(6) 6 th Year maintenance		Rs. 15/- Per Plant	0	
	(7) 7 th Year maintenance		Rs. 8/- Per Plant	0	
	(8) 8 th Year maintenance		Rs. 9/- Per Plant	0	
	(9) 9 th Year maintenance		Rs. 10/- Per Plant	0	
	(10) 10 th Year maintenance		Rs. 11/- Per Plant	0	
	Barbed wire fencing charge= 0 RKM		Rs.76700/- Per RKM	0	
	Sub Total (B) Total Addl. C.A. Charges			0	
C	Penal C.A.		-	NA	
D	Catchment Area Treatment				
	Soil and Moisture Conservation charges		30% of the Total CA	421127	
	Sub Total (D)			421127	
E	Safety Zone			NA	
F	Additional Charges				
			0	
			0	
	Sub Total (F)			0	
G	Net Present Value of Forest Land to be diverted 0.94 Hect.		Rs. 887000/- per ha.	833780	
H	Felling charges = 122.45 m ³		Rs.1000 /- per m ³	122450	
I	Plantation damage charges = 0 Nos.		Rs. 236/- per plant	0	
	GRAND TOTAL (A+B+C+D+E+F+G+H+I) to be deposited in CAMPA Fund			2781115	

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) **General Detail :-** Compensatory Afforestation will carried out along With, **R.F. Shekhpura**
- b) **Spacing:-** 4x4mtr a Part
- c) **Species:-** Neem & Shisham, Jamun/Jamoa 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:** - Checking of Plantation work will be done by RFO, DCF, CF & DCF (M&E)
- h) **Any other information :-** Nil

Place:-Karnal

Date:- 19.01.2017

Divisional Forest Officer
Karnal
Divisional Forest Officer,
Karnal. 

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