

**Full Title of the Project :** Diversion of 0.14 ha. of forest land for Construction of new road from Badsahi Pul to Village Pakhana Km 0 to 2.990 (between km 2.380 to 2.520) in Karnal Distt. Haryana.

**File No. :** FP/HR/ROAD/38757/2019.

**Date of Proposal :** 05.12.2018

### **CHECK LIST SERIAL NUMBER: 18**

#### **“SCHEME FOR COMPENSATORY AFFORESTATION”**

**Name of the Forest/Reach to be diverted:** Diversion of 0.14 ha. of forest land for Construction of new road from Badsahi Pul to Village Pakhana Km 0 to 2.990 (between km 2.380 to 2.520) in Karnal Distt. Haryana.

**Forest Area = 0.14 Hect.**

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

**Division :- Karnal District :- Karnal**

**C.A. Site name : Indri Drain near Village Peont**

- 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 protected 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 protected 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. 326.82/- per day as under:-

Year	Rate per Plant
1 <sup>st</sup> Year cost of afforestation	Rs. 359.10/- Per Plant
2 <sup>nd</sup> Year maintenance	Rs. 115.35/- Per Plant
3 <sup>rd</sup> Year maintenance	Rs. 41.89/- Per Plant
4 <sup>th</sup> Year maintenance	Rs. 15.58/- Per Plant
5 <sup>th</sup> Year maintenance	Rs. 15.58/- Per Plant
6 <sup>th</sup> Year maintenance	Rs. 15.58/- Per Plant
7 <sup>th</sup> Year maintenance	Rs. 15.58/- Per Plant
8 <sup>th</sup> Year maintenance	Rs. 15.58/- Per Plant
9 <sup>th</sup> Year maintenance	Rs. 15.58/- Per Plant
10 <sup>th</sup> Year maintenance	Rs. 15.58/- Per Plant
<b>Total</b>	<b>Rs. 625.40/-</b>

Area to be Diverted :- **0.14 ha.**

No. of trees to be felled :- **48**

Plants to be damaged:- **..Nil..**

Plants to be planted (Ten time of the trees to be felled):- $48 \times 10 = 480$

Area to be Planted = Double area 0.14 hect.x2 @ 1000 plant per ha.=NA

Minimum Plants to be Planted: - 480 No.

RKM  $480/250 = 1.92$  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	<b>Compensatory Afforestation Charges</b>	<b>No. of Plants</b>		
	(1) 1 <sup>st</sup> Year cost of afforestation	480	Rs. 359/- Per Plant	172320
	(2) 2 <sup>nd</sup> Year maintenance	Plants	Rs. 115/- Per Plant	55200
	(3) 3 <sup>rd</sup> Year maintenance		Rs. 42/- Per Plant	20160
	(4) 4 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	7680
	(5) 5 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	7680
	(6) 6 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	7680
	(7) 7 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	7680
	(8) 8 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	7680
	(9) 9 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	7680
	(10) 10 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	7680
	(11) Barbed wire fencing charge= <b>1.92 RKM</b>		Rs.76700/- Per RKM	14746
	<b>Total Charges</b>			<b>316186</b>

	Supervisory / Overhead / Miscellaneous Charges	10% on the CA charges	31619
	<b>Sub Total (A) Total C.A. Charges</b>		<b>347805</b>
<b>B</b>	<b>Additional Compensatory Afforestation Charges plants</b>		
	(1) 1 <sup>st</sup> Year cost of afforestation	..NiL..	Rs. 359/- Per Plant 0
	(2) 2 <sup>nd</sup> Year maintenance		Rs. 115/- Per Plant 0
	(3) 3 <sup>rd</sup> Year maintenance		Rs. 42/- Per Plant 0
	(4) 4 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 0
	(5) 5 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 0
	(6) 6 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 0
	(7) 7 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 0
	(8) 8 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 0
	(9) 9 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 0
	(10) 10 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 0
	Barbed wire fencing charge= .NiL..		Rs.76700/- Per RKM 0
	<b>Sub Total (B) Total Addl. C.A. Charges</b>		<b>0</b>
<b>C</b>	Penal C.A.	-	NA
<b>D</b>	<b>Catchment Area Treatment</b>		
	Soil and Moisture Conservation charges	30% of the Total CA	104342
	<b>Sub Total (D)</b>		<b>104342</b>
<b>E</b>	Safety Zone		NA
<b>F</b>	<b>Additional Charges</b>		
	.....		0
	.....		0
	<b>Sub Total (F)</b>		<b>0</b>
<b>G</b>	Net Present Value of Forest Land to be diverted 0.14 Hect.	Rs. 887000/- per ha.	124180
<b>H</b>	Felling charges =22.12m <sup>3</sup>	Rs.1200 /- per m <sup>3</sup>	26544
<b>I</b>	Plantation damage charges = ..NiL..	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>602871</b>

## 2. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) **General Detail :-** Compensatory Afforestation will carried out along With,  
**Indri Drain near Village Peont Both/Side**

- 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

  
Divisional Forest Officer,  
Karnal Forest Division  
KARNAL

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