

**Full Title of the Project : Diversion of 0.7097 Hec. of forest land for construction of storm water RCC Box type drain from Haqeeqat Nagar STP to Village Goghripur along WJC Canal L/Side, under Division & Distt. Karnal, (Haryana).**

**File No. : FP/HR/OTHERS/38990/2019.**

**Date of Proposal : 22.02.2019**

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

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

**Name of the Forest/Reach to be diverted:** Diversion of 0.7097 Hec. of forest land for construction of storm water RCC Box type drain from Haqeeqat Nagar STP to Village Goghripur along WJC Canal L/Side, under Division & Distt. Karnal, (Haryana).

**Forest Area = 0.7097 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: NBK Link RD 65-82 L/R Side**

**Area to be Afforested: - 1.419 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. It is a Degraded Forest Land.**
- 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 :- **0.7097 ha.**

No. of trees to be felled :- Nil

Plants to be damaged:- Nil

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

Area to be Planted = Double area 0.7097 hect.x2 @ 1000 plant per ha.= 1419

Minimum Plants to be Planted: - 1419 No.

RKM 1419/250 =5.676 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	1419	Rs. 359/- Per Plant	509421
	(2) 2 <sup>nd</sup> Year maintenance	Plants	Rs. 115/- Per Plant	163185
	(3) 3 <sup>rd</sup> Year maintenance		Rs. 42/- Per Plant	59598
	(4) 4 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	22704
	(5) 5 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	22704
	(6) 6 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	22704
	(7) 7 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	22704
	(8) 8 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	22704

	(9) 9 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	22704
	(10) 10 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	22704
	(11) Barbed wire fencing charge= 5.676 RKM		Rs.76700/- Per RKM	435349
	<b>Total Charges</b>			<b>1326481</b>
	Supervisory / Overhead / Miscellaneous Charges	10% on the CA charges		132648
	<b>Sub Total (A) Total C.A. Charges</b>			<b>1459129</b>
<b>B</b>				
	(1) 1 <sup>st</sup> Year cost of afforestation	NA	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= RKM		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		437739
	<b>Sub Total (D)</b>			<b>437739</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 0.7097 Hect.	Rs. 887000/- per ha.		629503
<b>H</b>	Felling charges =Nil	Rs.1200 /- per m <sup>3</sup>		0
<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 CAMP A Fund</b>			<b>2526371</b>

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) **General Detail :-** Compensatory Afforestation will carried out along With, NBK Link 65-82 L/R 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  
 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.