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**Full Title of the Project :** Diversion of 0.4148 hec. of forest land for construction of storm water RCC Box type drain from Haqeekat Nagar Flyover(ROB) to STP along Karnal-Munak road R/Side, under Division & Distt. Karnal, (Haryana).

**File No. :** FP/HR/OTHERS/38989/2019.

**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 0.4148 hec. of forest land for construction of storm water RCC Box type drain from Haqeekat Nagar Flyover(ROB) to STP along Kamal-Munak road R/Side, under Division & Distt. Kamal, (Haryana).

Forest Area = 0.4148 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: Indri Drain RD 90-110 L/R Side

Area to be Afforested: - 0.830 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 :- **0.4148 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 0.4148 hect.x2 @ 1000 plant per ha.=830

Minimum Plants to be Planted: - =830 No.

RKM 830/250 =3.32 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>	No. of Plants	
	(1) 1 <sup>st</sup> Year cost of afforestation	830	Rs. 359/- Per Plant 297970
	(2) 2 <sup>nd</sup> Year maintenance	Plants	Rs. 115/- Per Plant 95450
	(3) 3 <sup>rd</sup> Year maintenance		Rs. 42/- Per Plant 34860
	(4) 4 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 13280
	(5) 5 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 13280
	(6) 6 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 13280
	(7) 7 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 13280
	(8) 8 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant 13280

	(9) 9 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	13280
	(10) 10 <sup>th</sup> Year maintenance		Rs. 16/- Per Plant	13280
	(11) Barbed wire fencing charge= 3.32 RKM		Rs.76700/- Per RKM	254644
	<b>Total Charges</b>			<b>775884</b>
	Supervisory / Overhead / Miscellaneous Charges	10% on the CA charges		77588
	<b>Sub Total (A) Total C.A. Charges</b>			<b>853472</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	NA
	<b>D</b> Catchment Area Treatment			
	Soil and Moisture Conservation charges		30% of the Total CA	256042
	<b>Sub Total (D)</b>			<b>256042</b>
<b>E</b>	Safety Zone		NA	NA
	<b>F</b> Additional Charges			
	.....			0
	.....			0
	<b>Sub Total (F)</b>			<b>0</b>
<b>G</b>	Net Present Value of Forest Land to be diverted 0.4148 Hect.		Rs. 887000/- per ha.	367928
	Felling charges = Nil			
<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 CAMPA Fund</b>			<b>1477441</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 RD 90-110 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

*[Signature]*  
Divisional Forest Officer  
Divisional Forest Officer,  
KarnaKARNAL

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