

**Title of the Project:** For Construction of 4-Lane Road from Airport to Main Bye Pass Km. 260.35 to 261.50 (CMA 24520 dt. 20.11.2018), Under Forest Division & Distt. Sirsa.

**File No.:** FP/HR/Road/155473/2022

**Date of Proposal:** 17/05/2022

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

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

**Name of the Forest/Reach to be diverted:** Construction of 4-Lane Road from Airport to Main Bye Pass Km. 260.35 to 261.50 (CMA 24520 dt. 20.11.2018) of Provincial Division No. II, PWD B&R, Sirsa, under Forest Division & Distt. Sirsa.

**Forest Area=** 0.8395 ha.

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

Division: Sirsa      District: Sirsa      Tehsil: Kalanwali      Range: Kalanwali

C.A. Site name: **Chormar Minor. RD 0-25 L/R Side**

Area to be Afforested : 0.49 ha.

- a) Whether the site selected for Compensatory Afforestation is a Land bank: (No)
- b) If the CA site is other than the land bank, reasons be given: N/A
- In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining Forest Boundary :-N/A
- i) Soil type: Sandy & Loomy
- 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 Spacing at the Wage Rate of **Rs. 393.97** per day as under:-

<b>Year</b>	<b>Rate per Plant</b>
1 <sup>st</sup> Year Cost of Afforestation	Rs. 432.88/- Per Plant
2 <sup>nd</sup> Year Maintenance	Rs. 139.05/- Per Plant
3 <sup>rd</sup> Year Maintenance	Rs. 50.49/- Per Plant
4 <sup>th</sup> Year Maintenance	Rs. 18.76/- Per Plant
5 <sup>th</sup> Year Maintenance	Rs. 18.76/- Per Plant
6 <sup>th</sup> Year Maintenance	Rs. 18.76/- Per Plant
7 <sup>th</sup> Year Maintenance	Rs. 18.76/- Per Plant
8 <sup>th</sup> Year Maintenance	Rs. 18.76/- Per Plant
9 <sup>th</sup> Year Maintenance	Rs. 18.76/- Per Plant
10 <sup>th</sup> Year Maintenance	Rs. 18.76/- Per Plant
<b>Total</b>	<b>Rs. 753.77</b>



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## NPV Calculation Sheet

Net present Value to be realized in lieu of diversion of 0.8395 ha. of Forest Land for access to Construction of 4-Lane Road from Airport to Main Bye Pass Km. 260.35 to 261.50 (CMA 24520 dt. 20.11.2018) under Forest Division & Distt. Sirsa, Haryana have been fixed based on the outcome Scientific accessment of Ecosystem Goods and Services.

In this case NPV is calculated as per Eco class III (Open) @ 957780/- Per ha.

Fitment factor of 1.53 i.e @

Diverted Land  $0.8395 \times 957780 = 804056/-$

*amk*  
Nawal Kishore, HFS

**Divisional Forest Officer,  
Sirsa.**

Divisional Forest Officer,  
Sirsa Forest Division, Sirsa

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### 2. Technical details:-

Technical Details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 1 sized Borbed Wire
- Spacing:- 4 Meter
- Species:- Neem, Shisham, Karan etc.
- Plantation Method:- Tap Plantation
- Soil and Moisture Conservation Work:- As per Scheme
- Protection (Fencing, Watchman, People's Participation) etc.:- As per Scheme
- Proposed Monitoring Mechanism:- (M&M)
- Any Other Information:- Nil

Place: Sirsa

Date:

Place:

Signature

Office Seal



Area to be Diverted : 0.8395 ha.

No. of Trees to be felled : 49

No. of Plants to be felled : Nil

Plants to be Planted under Normal CA : 1679 (Double times of Diverted Area)

Area to be Planted under Normal CA : 1.679 ha. (@ 1000 plants per ha.)

Addl C.A. in lieu of Plants to be damaged = Nil

Area to be Planted under Addl. CA : Nil

Total No. of Plants to be Planted (CA+Addl.CA) : 1679

Total Area to be Planted (CA+Addl.CA) : 1.679 ha. (@ 1000 plants per ha.)

Sr. No.	Description	Area in Ha.	Rate	Total Amt. (Rs.)
<b>A</b>	<b>Compensatory Afforestation Charges</b>	<b>No. of Plants</b>		
	(1) 1st Year cost of Afforestation	1679	Rs. 432.88/- Per Plant	726806
	(2) 2nd Year Maintenance	1679	Rs. 139.05/- Per Plant	233465
	(3) 3rd Year Maintenance	1679	Rs. 50.49/- Per Plant	84773
	(4) 4th Year Maintenance	1679	Rs. 18.76/- Per Plant	31498
	(5) 5th Year Maintenance	1679	Rs. 18.76/- Per Plant	31498
	(6) 6th Year Maintenance	1679	Rs. 18.76/- Per Plant	31498
	(7) 7th Year Maintenance	1679	Rs. 18.76/- Per Plant	31498
	(8) 8th Year Maintenance	1679	Rs. 18.76/- Per Plant	31498
	(9) 9th year Maintenance	1679	Rs. 18.76/- Per Plant	31498
	(10) 10th Year Maintenance	1679	Rs. 18.76/- Per Plant	31498
	(11) Barbed Wire Fencing Charges	6.72	Rs. 200000/- per RKM	1343200
			<b>Total</b>	<b>2608729</b>
<b>B</b>	Supervisory/Overhead /Miscellaneous Charges		10% on the Total CA Charges (1st Year Cost to 10 Year Maintenance)	126553
<b>C</b>	Catchment Area Treatment Plan (Soil and Moisture Conservation)		30% of Total CA (1st Year Cost to 10 Year Maintenance)	379659
	<b>Total C.A. Charges</b>		<b>G.Total (C.A)</b>	<b>3114941</b>
<b>D</b>	Additional Compensatory Afforestation		<b>Total Add. C.A. Charges</b>	<b>0</b>
<b>E</b>	Penalty for Violation as per provisions of s.no. ii (a) Para 1.21 Chapter-1 of Handbook of forest (Conservation) Act, 1980 and forest Conservation Rules, 2003 (Guidelines & Clarifications)-2019 with interest.		Amount of NPV for Penalty/Violation+Amount of interest	0
<b>F</b>	Felling charges Volume (M3)	48.79	Rs. 1200/- per M3	58548
			<b>Total</b>	<b>58548</b>
<b>G</b>	Any Other Charges (if necessary)			
	<b>Demarcation Charges</b>			<b>0</b>
	<b>Grand Total (A+B+C+D+E+F+G) to be Deposited in CAMPA fund</b>			<b>3173489.00</b>

## 2. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Details:- Plantation will be done with 3 strand Barbed Wire.
- b) Spacement:- 4 Meter
- c) Species:- Neem, Shisham, Jamun etc.



- d) Plantation Method :- Tall Plantation
- e) Soil and Moisture Conservation Works: As per Scheme.
- f) Protection (Fencing, Watchman, People's Participation etc.): - Fencing
- g) Proposed Monitoring Mechanism:- (M&E)
- h) Any Other information:- Nil

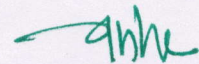
Place: Sirsa

Date:

Name:

Signature

Office Seal



Nawal Kishore, HFS

Divisional Forest Officer  
Sirsa Forest Division, Sirsa