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**Title of the Project:** For Laying 450mm i/d proposed sewer line on Rania-Jiwan Nagar Road in balance area of Rania Town, under Forest Division & Distt. Sirsa.

**File No.:** FP/HR/Others/42737/2019

**Date of Proposal:** 05/11/2019

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

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

**Name of the Forest/Reach to be diverted:** Rania-Jiwan Nagar Road in balance area of Rania Town, under Forest Division & Distt. Sirsa.

**Forest Area =** 0.1389 ha.

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

Division: Sirsa

District: Sirsa

Tehsil: Rania

Range: Rania

C.A. Site name: Harni Minor RD 3-6 L/R Side

Area to be Afforested : 0.312 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: Good

ii) 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 : 0.1389 ha.

No. of Trees to be felled : 16 (3.98 M<sup>3</sup>)

No. of Plants to be damaged : 17 plants

Plants to be Planted under normal CA : 278 (@ 1000 plants per ha.)

Area to be planted under normal CA : 0.278 ha. (Double of the area to be diverted)

Addl C.A. in lieu of plants to be damaged = 34 (Double the plants to be damaged)

Area to be planted under Addl. CA : 0.034 ha. (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 312

Total Area to be planted (CA+Addl.CA) : 0.312 ha. (@ 1000 plants per ha.)

Sr. No.	Description	Area in Ha.	Rate	Total Amt. (Rs.)
A	Net Present Value of Forest Land to be diverted	0.1389	Rs. 8.87 Lacs per Ha	<b>123204</b>
B	Compensatory afforestation Charges	No. of plants		
	(1) 1st Year cost of afforestation	278	Rs. 359.1/- Per Plant	99829.8
	(2) 2nd Year maintenance	278	Rs. 115.35/- Per Plant	32067
	(3) 3rd Year maintenance	278	Rs. 41.89/- Per Plant	11645.42
	(4) 4th Year maintenance	278	Rs. 15.58/- Per Plant	4331.24
	(5) 5th Year maintenance	278	Rs. 15.58/- Per Plant	4331.24
	(6) 6th Year maintenance	278	Rs. 15.58/- Per Plant	4331.24
	(7) 7th Year maintenance	278	Rs. 15.58/- Per Plant	4331.24
	(8) 7th Year maintenance	278	Rs. 15.58/- Per Plant	4331.24
	(9) 9th year maintenance	278	Rs. 15.58/- Per Plant	4331.24
	(10) 10th Year maintenance	278	Rs. 15.58/- Per Plant	4331.24
	(11) Barbed wire fencing charge	1.112	Rs. 76700/- Per RKM	85290
	Total C.A. Charges (B)		Total	259151
C	Supervisory/Overhead /Miscellaneous Charges		10% on the total CA charges	25915
	Total C.A. Charges (B+C)		<b>Total</b>	<b>285066</b>
D	Catchment Area Treatment Plan (Soil and Moisture Conservation)		30% of Total CA	85520
E	Additional Compensatory afforestation			
	(1) 1st Year cost of afforestation	34	Rs. 359.1/- Per Plant	12209
	(2) 2nd Year maintenance	34	Rs. 115.35/- Per Plant	3922
	(3) 3rd Year maintenance	34	Rs. 41.89/- Per Plant	1424
	(4) 4th Year maintenance	34	Rs. 15.58/- Per Plant	530
	(5) 5th Year maintenance	34	Rs. 15.58/- Per Plant	530
	(6) 6th Year maintenance	34	Rs. 15.58/- Per Plant	530
	(7) 7th Year maintenance	34	Rs. 15.58/- Per Plant	530
	(8) 7th Year maintenance	34	Rs. 15.58/- Per Plant	530
	(9) 9th year maintenance	34	Rs. 15.58/- Per Plant	530
	(10) 10th Year maintenance	34	Rs. 15.58/- Per Plant	530
	(11) Barbed wire fencing charge	0.136	Rs. 76700/- Per RKM	10431
	Total Addl. CA Charges			31695
	Supervisory/Overhead /Miscellaneous Charges			3169
	Total Add. C.A. Charges			<b>34865</b>
F	Felling charges Volume (M3)	3.98	Rs. 1200/- per M3	4776
	Total (1+2)		<b>Total</b>	<b>4776</b>
G	Any other charges (if necessary)			
	Grand Total (A+B+C+D+E+F+G) to be deposited in CAMPA fund			<b>533431</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 × 2½ 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

Dated :

Ram Kumar Jangra, H.F.S

Divisional Forest Officer,  
SIRSA

Handwritten signature in green ink and a blue ink signature below it.