

**Title of the Project:** For laying of 700mm i/d DI pipeline (Rising Main) from Ottu Feeder Proposed sump near 3<sup>rd</sup> water work Panjuana to Main Water Works Chattergarh Patti, SirsaTown on the right side of NH-9, under Forest Division & Distt. Sirsa.

**File No.:** FP/HR/WATER/41052/2019

**Date of Proposal:** 08/07/2019

**CHECK LIST SERIAL NUMBER:-18**  
**"SCHEME FOR C.A."**

**Name of the Forest/Reach to be diverted:** Ottu Feeder Proposed sump near 3<sup>rd</sup> water work Panjuana to Main Water Works Chattergarh Patti, SirsaTown on the right side of NH-9, under Forest Division & Distt. Sirsa.

**Forest Area =** 1.34 ha.

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

Division: Sirsa

District: Sirsa

Tehsil: Sirsa & Kalanwali

Range: Sirsa & Kalanwali

C.A. Site name: Sukhchain Disty. RD 135-137 L/R Side and Abootgarh Minor RD 0-10 L/R Side

Area to be Afforested : 4.216 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 Program :-

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 : 1.34 ha.

No. of Trees to be felled : 29 (21.76 M<sup>3</sup>)

No. of Plants to be damaged : 768

Area to be planted under normal CA : 2.68 ha. (Under minimum CA Scheme)

Plants to be Planted under normal CA : 2680 (@ 1000 plants per ha.)

Addl C.A. in lieu of plants to be damaged = 1536 (Double of plants to be damaged)

Area to be planted under Addl. CA : 1.536 ha. (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 4216

Total Area to be planted (CA+Addl.CA) : 4.216 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	1.34	Rs. 8.87 Lacs per Ha	<b>1188580</b>
B	Compensatory afforestation Charges	No. of plants		
	(1) 1st Year cost of afforestation	2680	Rs. 359.1/- Per Plant	962388
	(2) 2nd Year maintenance	2680	Rs. 115.35/- Per Plant	309138
	(3) 3rd Year maintenance	2680	Rs. 41.89/- Per Plant	112265.2
	(4) 4th Year maintenance	2680	Rs. 15.58/- Per Plant	41754.4
	(5) 5th Year maintenance	2680	Rs. 15.58/- Per Plant	41754.4
	(6) 6th Year maintenance	2680	Rs. 15.58/- Per Plant	41754.4
	(7) 7th Year maintenance	2680	Rs. 15.58/- Per Plant	41754.4
	(8) 7th Year maintenance	2680	Rs. 15.58/- Per Plant	41754.4
	(9) 9th year maintenance	2680	Rs. 15.58/- Per Plant	41754.4
	(10) 10th Year maintenance	2680	Rs. 15.58/- Per Plant	41754.4
	(11) Barbed wire fencing charge	10.72	Rs. 76700/- Per RKM	822224
	Total C.A. Charges (B)		Total	2498296
C	Supervisory/Overhead /Miscellaneous Charges		10% on the total CA charges	249830
	Total C.A. Charges (B+C)		Total	<b>2748126</b>
D	Catchment Area Treatment Plan (Soil and Moisture Conservation)		30% of Total CA	<b>824438</b>
E	Additional Compensatory afforestation			
	(1) 1st Year cost of afforestation	1536	Rs. 359.1/- Per Plant	551578
	(2) 2nd Year maintenance	1536	Rs. 115.35/- Per Plant	177178
	(3) 3rd Year maintenance	1536	Rs. 41.89/- Per Plant	64343
	(4) 4th Year maintenance	1536	Rs. 15.58/- Per Plant	23931
	(5) 5th Year maintenance	1536	Rs. 15.58/- Per Plant	23931
	(6) 6th Year maintenance	1536	Rs. 15.58/- Per Plant	23931
	(7) 7th Year maintenance	1536	Rs. 15.58/- Per Plant	23931
	(8) 7th Year maintenance	1536	Rs. 15.58/- Per Plant	23931
	(9) 9th year maintenance	1536	Rs. 15.58/- Per Plant	23931
	(10) 10th Year maintenance	1536	Rs. 15.58/- Per Plant	23931
	(11) Barbed wire fencing charge	6.144	Rs. 76700/- Per RKM	471245
	Total Addl. CA Charges			1431859
	Supervisory/Overhead /Miscellaneous Charges			143186
	Total Add. C.A. Charges			<b>1575046</b>
F	Felling charges Volume (M <sup>3</sup> )	21.76	Rs. 1200/- per M <sup>3</sup>	26112
	Total (1+2)		Total	<b>26112</b>
G	Any other charges (if necessary)			
	Grand Total (A+B+C+D+E+F+G) to be deposited in CAMPA fund			<b>6362301</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:-  $4 \times 2\frac{1}{2}$  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

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Divisional Forest Officer.

SIRSA

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