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Title of the Project: For providing, laying and jointing of storm drainage pipes at Sirsa Town from District E-Library (Barnala road) to Khairpur Police Chowki along Hisar-Sirsa road km 0-1.25 L/side and Khairpur Police Chowki to Rangoi Nala along Hisar-Sirsa road km 1.25-7.495 R/side, under Forest Division & Distt. Sirsa.

File No.: FP/HR/PIPELINE/39910/2019

Date of Proposal: 19/04/2019

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

Name of the Forest/Reach to be diverted: District E-Library (Barnala road) to Khairpur Police Chowki along Hisar-Sirsa road km 0-1.25 L/side and Khairpur Police Chowki to Rangoi Nala along Hisar-Sirsa road km 1.25-7.495 R/side, under Forest Division & Distt. Sirsa.

Forest Area = 2.1860 ha.

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

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

C.A. Site name: Sukhchain Disty. RD 135-137 L/R Side

Area to be Afforested : 4.398 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 st Year cost of afforestation	Rs. 359.10 Per Plant
2 nd Year maintenance	Rs. 115.35 Per Plant
3 rd Year maintenance	Rs. 41.89 Per Plant
4 th Year maintenance	Rs. 15.58 Per Plant
5 th Year maintenance	Rs. 15.58 Per Plant
6 th Year maintenance	Rs. 15.58 Per Plant
7 th Year maintenance	Rs. 15.58 Per Plant
8 th Year maintenance	Rs. 15.58 Per Plant
9 th Year maintenance	Rs. 15.58 Per Plant
10 th Year maintenance	Rs. 15.58 Per Plant
Total	Rs. 625.40

Area to be Diverted : 2.1860 ha.

No. of Trees to be felled : 106 (96.33 M³)

No. of Plants to be damaged : 513

Area to be planted under normal CA : 4.372 ha. (Double of Area to be diverted)

Plants to be Planted under normal CA : 4372 (@ 1000 plants per ha.)

Addl C.A. in lieu of plants to be damaged = 1026 (Double the plants to be damaged)

Area to be planted under Addl. CA : 1.026 ha. (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 5398

Total Area to be planted (CA+Addl.CA) : 5.398 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	2.186	Rs. 8.87 Lacs per Ha	1938982
B	Compensatory afforestation Charges	No. of plants		
	(1) 1st Year cost of afforestation	4372	Rs. 359.1/- Per Plant	1569985.2
	(2) 2nd Year maintenance	4372	Rs. 115.35/- Per Plant	504310.2
	(3) 3rd Year maintenance	4372	Rs. 41.89/- Per Plant	183143.08
	(4) 4th Year maintenance	4372	Rs. 15.58/- Per Plant	68115.76
	(5) 5th Year maintenance	4372	Rs. 15.58/- Per Plant	68115.76
	(6) 6th Year maintenance	4372	Rs. 15.58/- Per Plant	68115.76
	(7) 7th Year maintenance	4372	Rs. 15.58/- Per Plant	68115.76
	(8) 7th Year maintenance	4372	Rs. 15.58/- Per Plant	68115.76
	(9) 9th year maintenance	4372	Rs. 15.58/- Per Plant	68115.76
	(10) 10th Year maintenance	4372	Rs. 15.58/- Per Plant	68115.76
	(11) Barbed wire fencing charge	17.488	Rs. 76700/- Per RKM	1341330
	Total C.A. Charges (B)		Total	4075579
C	Supervisory/Overhead /Miscellaneous Charges		10% on the total CA charges	407558
	Total C.A. Charges (B+C)		Total	4483137
D	Catchment Area Treatment Plan (Soil and Moisture Conservation)		30% of Total CA	1344941
E	Additional Compensatory afforestation			
	(1) 1st Year cost of afforestation	0	Rs. 359.1/- Per Plant	368437
	(2) 2nd Year maintenance	0	Rs. 115.35/- Per Plant	118349
	(3) 3rd Year maintenance	1026	Rs. 41.89/- Per Plant	42979
	(4) 4th Year maintenance	1026	Rs. 15.58/- Per Plant	15985
	(5) 5th Year maintenance	1026	Rs. 15.58/- Per Plant	15985
	(6) 6th Year maintenance	1026	Rs. 15.58/- Per Plant	15985
	(7) 7th Year maintenance	1026	Rs. 15.58/- Per Plant	15985
	(8) 7th Year maintenance	1026	Rs. 15.58/- Per Plant	15985
	(9) 9th year maintenance	1026	Rs. 15.58/- Per Plant	15985
	(10) 10th Year maintenance	1026	Rs. 15.58/- Per Plant	15985
	(11) Barbed wire fencing charge	4.104	Rs. 76700/- Per RKM	314777
	Total Addl. CA Charges			956437

	Supervisory/Overhead /Miscellaneous Charges			95644
	Total Add. C.A. Charges			1052081
F	Felling charges Volume (M3)	96.33	Rs. 1200/- per M3	115596
	Total (1+2)		Total	115596
G	Any other charges (if necessary)			
	Grand Total (A+B+C+D+E+F+G) to be deposited in CAMPA fund			8934737

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