

Title of the Project: For laying of 18" i/d RCC Pipe Inlet Channel from BMB to village Masitan water works along Ellenabad-Dabwali road Km 64.50 to 67.90 L/s at village Masitan, under Forest Division & Distt. Sirsa.

File No. : FP/HR/Water/36116/2018

Date of Proposal : 24/09/2018

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

Name of the Forest/Reach to be diverted: Ellenabad-Dabwali road Km 64.50 to 67.90 L/side at village Masitan, under Forest Division & Distt. Sirsa.
Forest Area = 0.5548 ha.

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

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

C.A. Site name: Jandwala Minor RD 0-57 R/s

Area to be Afforested : 4.742 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 : 0.5548 ha.

No. of Trees to be felled : 444 (239.49 M³)

No. of Plants to be damaged : 151

Area to be planted under normal CA : 4.440 ha. (ten times of the trees to be felled)

Plants to be Planted under normal CA : 4440 (@ 1000 plants per ha.)

Addl C.A. in lieu of plants to be damaged = 302 (double the plants to be damaged)

Area to planted under Addl. CA : 0.302 (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 4742

Total Area to be planted (CA+Addl.CA) : 4.742 ha. (@ 1000 plants per ha.)

Sr. No.	Description		Rate	Total Amt. (Rs.)
A	N P V of Forest Land to be diverted		Rs. 8.87 Lacs per Ha	492108
B	Compensatory afforestation Charges	Plants		
	(1) 1st Year cost of afforestation	4440	Rs. 359.1/- Per Plant	1594404
	(2) 2nd Year maintenance	4440	Rs. 115.35/- Per Plant	512154
	(3) 3rd Year maintenance	4440	Rs. 41.89/- Per Plant	185991.6
	(4) 4th Year maintenance	4440	Rs. 15.58/- Per Plant	69175.2
	(5) 5th Year maintenance	4440	Rs. 15.58/- Per Plant	69175.2
	(6) 6th Year maintenance	4440	Rs. 15.58/- Per Plant	69175.2
	(7) 7th Year maintenance	4440	Rs. 15.58/- Per Plant	69175.2
	(8) 7th Year maintenance	4440	Rs. 15.58/- Per Plant	69175.2
	(9) 9th year maintenance	4440	Rs. 15.58/- Per Plant	69175.2
	(10) 10th Year maintenance	4440	Rs. 15.58/- Per Plant	69175.2
	(11) Barbed wire fencing charge	17.76	Rs. 76700/- Per RKM	1362192
	Total C.A. Charges (B)		Total	4138968
C	Supervisory/Overhead/Misc Charges		10% on the total CA	413897
	Total C.A. Charges (B+C)		Total	4552865
D	Catchment Area Treatment Plan (Soil and Moisture Conservation)		30% of Total CA	1365860
E	Additional Compensatory afforestation			
	(1) 1st Year cost of afforestation	302	Rs. 359.1/- Per Plant	108448
	(2) 2nd Year maintenance	302	Rs. 115.35/- Per Plant	34836
	(3) 3rd Year maintenance	302	Rs. 41.89/- Per Plant	12651
	(4) 4th Year maintenance	302	Rs. 15.58/- Per Plant	4705
	(5) 5th Year maintenance	302	Rs. 15.58/- Per Plant	4705
	(6) 6th Year maintenance	302	Rs. 15.58/- Per Plant	4705
	(7) 7th Year maintenance	302	Rs. 15.58/- Per Plant	4705
	(8) 7th Year maintenance	302	Rs. 15.58/- Per Plant	4705
	(9) 9th year maintenance	302	Rs. 15.58/- Per Plant	4705
	(10) 10th Year maintenance	302	Rs. 15.58/- Per Plant	4705
	(11) Barbed wire fencing charge	1.208	Rs. 76700/- Per RKM	92654
	Total Addl. CA Charges			281525
	Supervisory/Overhead/Miscellaneous Charges			28153
	Total Add. C.A. Charges			309678

F	Felling charges Volume	M3	239.49	Rs. 1200/- per M3	287388
	Total (1+2)			Total	287388
G	Any other charges (if necessary)				
	Grand Total (A+B+C+D+E+F+G) to be deposited in CAMPA fund				7007899

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: Nil
- f) Protection (Fencing, Watchman, People's Participation etc.):- Fencing
- g) Proposed Monitoring Mechanism:- (M&E)
- h) Any Other information:- Nil.

Place:

Dated :

Sirsa
17.12.18

Ram Kumar Jangra, M.F.S

Divisional Forest Officer,
SIRSA

18.12.18