

Full Title of the Project: Diversion of 0.892 ha. of forest land in favour of Siwani Water Services Division Bhiwani for deforestation from RD 0 to 10000, 11500 to 15000 & RD 16500 to 19000 on Bidola Minor in the work of remodelling of Bidola from RD 0 to 24600 having Chronic Tails to Feed, Distt. Bhiwani under Forest Division Bhiwani.

File No. : FCA/S/ FP/HR/IRRIG/152751/2022.

Date of Submission: 23.02.2022.

CHECK LIST SERIAL NUMBER:-18

"SCHEME FOR C.A."

Name of the Forest/Reach to be diverted - Forest land for deforestation from RD 0 to 10000, 11500 to 15000 & RD 16500 to 19000 on Bidola Minor in the work of remodelling of Bidola from RD 0 to 24600 having Chronic Tails to Feed, Distt. Bhiwani under Forest Division Bhiwani.

Forest Area = 0.892 ha.

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

Division: Bhiwani

District : Bhiwani

Area to be Afforested :- 6.840 ha.

- Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No): No.
- If the CA site is other than the land bank, reasons be given:-
In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :-
 - Soil type: **Good**
 - Topography a. Hilly/Undulating/Plain: **Plain**
b. Slope:-Steep/Medium/Gentle: **Gentle**
 - 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. 382 per day as under:-

Year	Rate per Plant
1 st Year cost of afforestation	Rs. 400 Per Plant
2 nd Year maintenance	Rs. 98 Per Plant
3 rd Year maintenance	Rs. 61 Per Plant
4 th Year maintenance	Rs. 25 Per Plant
5 th Year maintenance	Rs. 27 Per Plant
6 th Year maintenance	Rs. 30 Per Plant
7 th Year maintenance	Rs. 33 Per Plant
8 th Year maintenance	Rs. 36 Per Plant
9 th Year maintenance	Rs. 40 Per Plant
10 th Year maintenance	Rs. 44 Per Plant
Total	Rs.794

Area to be Diverted : 0.892 ha.

No. of Trees to be felled : 684

No. of Plants to be damaged : 00.

Area to be planted under normal CA : 6.840 (Double the area to be diverted)

Plants to be Planted under normal CA : 6840 nos. (@ 1000 plants per ha.)

Additional C.A. : 0 ha. in lieu of plants to be damaged (Double the plants to be damaged)= 0 Plants

Area to planted under Addl. CA : 0 (@ 1000 plants per ha.)

Total No. of plants to be planted (CA) 6840

Total Area to be planted (CA+Addl.CA) : 6.840 ha. (@ 1000 plants per ha.)

S.No	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory afforestation Charges	No. of Plants		
	(1) 1 st Year cost of afforestation	6840	Rs. 400/- Per Plant	2736000
	(2) 2 nd Year maintenance		Rs. 98/- Per Plant	670320
	(3) 3 rd Year maintenance		Rs. 61/- Per Plant	417240
	(4) 4 th Year maintenance		Rs. 25/- Per Plant	171000
	(5) 5 th Year maintenance		Rs. 27/- Per Plant	184680
	(6) 6 th Year maintenance		Rs. 30/- Per Plant	205200
	(7) 7 th Year maintenance		Rs. 33/- Per Plant	225720
	(8) 8 th Year maintenance		Rs. 36/- Per Plant	246240
	(9) 9 th Year maintenance		Rs. 40/- Per Plant	273600
	(10) 10 th Year maintenance		Rs. 44/- Per Plant	300960
	Total C.A. Charges			5430960
	Additional Compensatory Afforestation Charges			
B	(1) 1 st Year cost of afforestation	0	Rs. 400/- Per Plant	0
	(2) 2 nd Year maintenance		Rs. 98/- Per Plant	0
	(3) 3 rd Year maintenance		Rs. 61/- Per Plant	0
	(4) 4 th Year maintenance		Rs. 25/- Per Plant	0
	(5) 5 th Year maintenance		Rs. 27/- Per Plant	0
	(6) 6 th Year maintenance		Rs. 30/- Per Plant	0
	(7) 7 th Year maintenance		Rs. 33/- Per Plant	0
	(8) 8 th Year maintenance		Rs. 36/- Per Plant	0

	(9) 9 th Year maintenance		Rs. 40/- Per Plant	0
	(10) 10 th Year maintenance		Rs. 44/- Per Plant	0
	(11) Barbed wire fencing charge= 0/250 = 0 Both sides = 0 X 2 = 0 RKM		Rs.200000/- Per RKM	0
	Sub Total (B) Total Addl. C.A. Charges			0
C	Penal C.A.			0
	Total			5430960
D	Catchment Area Treatment			
	Barbed wire fencing charge= 6840/250= 27.36 Both sides 27.36 X 2 = 54.72 RKM		Rs.200000/- Per RKM	10944000
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	543096
	Soil and Moisture Conservation charges		30% of the Total CA	1629288
	Sub Total (D)			0
E	Safety Zone			0
F	Additional Charges			
			0
			0
	Sub Total (F)			0
G	Felling charges 376.74 m ³		Rs.1400 /- per m ³	527436
H	Plantation damage charges = 0 Plants		Rs. 236/- per plant	0
	GRAND TOTAL (A+B+C+D+E+F+G+H+I) to be deposited in CAMPA Fund			19074780

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacing:- 4 x 2½ meter
- Species:-
- Plantation Method :- Plantation
- Soil and Moisture Conservation Works
- Protection (Fencing, Watch man, People's Participation etc.): - Fencing
- Proposed Monitoring Mechanism:- (M&E),
- Any Other information:- Nil.

Date:

Place Bhiwani

Uim. 8/9/22
Divisional Forest Officer,
Bhiwani

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NPV Calculation Sheet

Sr. No.	Description	Total Area	Rate	Total Amount (Rs.)
A	Net Present Value of Forest land to be diverted	0.892	Rs. 957780 Per Ha	854340.00
Diverted Land Details				
Sr. No.	Project Land Category	Conditions		
1	Eco Class	III		
2	Canopy Density	Very DenseDense/Open	Open	
3	Density of Vegetation	0.4		
4	Is Forest Area in National Park	10 Times of NPV	NA	
5	Wild Life Sanctuary	5 Times of NPV	NA	
6	Project type wise	50% for Wind Power Project Type	NA	
Total NPV Payable				854340.00

Place Bhiwani

View. 8/9/22
Divisional Forest Officer,
Bhiwani Forest Division.