

Full Title of the Project: For Construction of 132 Kv S/C on D/C Klanaur-Manheru line crossing various strips of Projected Forest land under Forest Division & Distt. Ch. Dadri.

File No. : FCA/S/ FP/HR/Trans /118341/2021.

Date of Submission: 02.01.2021.

CHECK LIST SERIAL NUMBER:-18

"SCHEME FOR C.A."

Name of the Forest/Reach to be diverted -Manheru line crossing.

Forest Area = 0.284ha.

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

Division:

District :

Area to be Afforested :- 1.216 ha.

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No): No.
- b) 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 :-
- i) Soil type: **Good**
- 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. 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 : 0.284 ha.

No. of Trees to be felled : 112

No. of Plants to be damaged : 48

Area to be planted under normal CA : 0.568 (Double the area to be diverted)

Plants to be Planted under normal CA : $112 \times 10 = 1120$ nos. (@ 1000 plants per ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged) = $48 \times 2 = 96$ Plants

Area to planted under Addl. CA : 0.096 (@ 1000 plants per ha.)

Total No. of plants to be planted (CA + Addl. CA) 1120+96=1216

Total Area to be planted (CA+Addl.CA) : 1.216 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	1120	Rs. 400 Per Plant	448000
	(2) 2 nd Year maintenance		Rs. 98 Per Plant	109760
	(3) 3 rd Year maintenance		Rs. 61 Per Plant	68320
	(4) 4 th Year maintenance		Rs. 25 Per Plant	28000
	(5) 5 th Year maintenance		Rs. 27 Per Plant	30240
	(6) 6 th Year maintenance		Rs. 30 Per Plant	33600
	(7) 7 th Year maintenance		Rs. 33 Per Plant	36960
	(8) 8 th Year maintenance		Rs. 36 Per Plant	40320
	(9) 9 th Year maintenance		Rs. 40 Per Plant	44800
	(10) 10 th Year maintenance		Rs. 44 Per Plant	49280
	(11) Barbed wire fencing charge = $1120/250=4.48$ Both sides = $4.48 \times 2 = 8.96$ RKM		Rs.200000/- Per RKM	1792000
	Total Charges			2681280
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	268128
Sub Total (A) Total C.A. Charges			2949408	
B	Additional Compensatory Afforestation Charges			
	(1) 1 st Year cost of afforestation	96	Rs. 400 Per Plant	38400
	(2) 2 nd Year maintenance		Rs. 98 Per Plant	9408
	(3) 3 rd Year maintenance		Rs. 61 Per Plant	5856

	(4) 4 th Year maintenance		Rs. 25 Per Plant	2400
	(5) 5 th Year maintenance		Rs. 27 Per Plant	2592
	(6) 6 th Year maintenance		Rs. 30 Per Plant	2880
	(7) 7 th Year maintenance		Rs. 33 Per Plant	3168
	(8) 8 th Year maintenance		Rs. 36 Per Plant	3456
	(9) 9 th Year maintenance		Rs. 40 Per Plant	3840
	(10) 10 th Year maintenance		Rs. 44 Per Plant	4224
	(11) Barbed wire fencing charge= $96/250=0.384$ Both sides = $0.384 \times 2 = 0.768$ RKM		Rs.200000/- Per RKM	153600
	Sub Total (B) Total Addl. C.A. Charges			229824
C	Penal C.A.		-	
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges		30% of the Total CA	953769.6
	Sub Total (D)			0
E	Safety Zone			0
F	Additional Charges			
	Patrolling Vechile for protection (MUV/SUV 4X4)		1 Mahindra Scorpio @ Rs. 18 Lakh	1800000/-
			0
	Sub Total (F)			0
G	Net Present Value of Forest Land to be diverted = 0.284 ha.		Rs. 887000/- per ha.	251908
H	Felling charges = 73.79 m ³		Rs.1400 /- per m ³	103306
I	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 Or Say			6288215.6 6288216

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:-
- d) Plantation Method :- Plantation
- e) Soil and Moisture Conservation Works
- f) Protection (Fencing, Watch man, People's Participation etc.):- Fencing
- g) Proposed Monitoring Mechanism:- (M&E),
- h) Any Other information:- Nil.

Date: 08-06-2021
Place Ch. Dadri

V.K. Singh
Dy. Conservator of Forest
Deputy Conservator of Forest,
Charkhi Dadri