

Full Title of the Project: **Diversion of 1.7 ha. forest land Providing canal base water supply scheme for Sirsali, group of 12 NOS villages constructing canal based water works at village Sirsali (Bhopali) Charkhi Dadri, Distt. Charkhi Dadri (HR).**

File No. : FCA **FP/HR/WATER/142230/2021**

Date of Proposal: **13-5-2021**

CHECK LIST SERIAL NUMBER:-18
“SCHEME FOR C.A.”

Name of the Forest/Reach to be diverted: constructing canal based water works group of 12 Nos Villages.

Diversion of forest land forDrinking Water Pipeline.....

Forest Area =**1.7**.... ha.

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

DivisionCh. Dadri..... District Ch. Dadri.....

TehsilCh. Dadri.....Range... **Badhra** Nandha Minor RD 0-18 L&R Side

Area to be Afforested :- 1.7 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: ...Sandy
 - ii) Topography a. Hilly/Undulating/Plain:
 b. Slope:-Steep/Medium/Gentle:
 - iii) Whether the area is bearing any root stock of vegetation:-

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 : 1.7 ha.

No. of Trees to be felled : Nil.

No. of Plants to be damaged : Nil.

Area to be planted under normal CA : $1.7 \times 2 = 3.4 \times 1000 = 3400$ (Ten times/Double the area to be diverted)
3400 nos.

plants to be Planted under normal CA : 3400 (@ 1000 plants per ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)= Nil

Area to planted under Addl. CA : Nil

Total No. of plants to be planted (CA) : 3400

Total Area to be planted (CA) : 3.4 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	3400 nos.	Rs. 400 Per Plant	1360000
	(2) 2 nd Year maintenance		Rs. 98 Per Plant	333200
	(3) 3 rd Year maintenance		Rs. 61 Per Plant	207400
	(4) 4 th Year maintenance		Rs. 25 Per Plant	85000
	(5) 5 th Year maintenance		Rs. 27 Per Plant	91800
	(6) 6 th Year maintenance		Rs. 30 Per Plant	102000
	(7) 7 th Year maintenance		Rs. 33 Per Plant	112200
	(8) 8 th Year maintenance		Rs. 36 Per Plant	122400
	(9) 9 th Year maintenance		Rs. 40 Per Plant	136000
	(10) 10 th Year maintenance		Rs. 44 Per Plant	149600
	(11) Barbed wire fencing charge = $3400/250 = 13.6$ RKM Both Sides = $13.6 \times 2 = 27.2$ RKM		Rs. 200000/- Per RKM	5440000
	Total Charges			8139600
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	813960
Sub Total (A) Total C.A. Charges			8953560	
B	Additional Compensatory Afforestation Charges			
	(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 = $3400/250=13.6$ RKM Both Sides = $13.6 \times 2=27.2$ RKM		Rs.200000/- Per RKM	0
	Sub Total (B) Total Addl. C.A. Charges			0
C	Penal C.A.			
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges	30% of the Total CA		2686068
	Sub Total (D)			
E	Safety Zone			
F	Additional Charges(Violation Charge)			

G	Net Present Value of Forest Land to be diverted = 1.7 ha.	Rs. 887000/- per ha.		1507900
H	Felling charges = 0 (Nil)	Rs.1400 /- per m ³		0
	GRAND TOTAL (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund Or Say			13147528

2 Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacing:- $4 \times 2\frac{1}{2}$ meter
- Species:- Sisham, Jamun, Siras, Lashura, Bakin, P.Papri
- Plantation Method :- Tall Plant..... Plantation
- Soil and Moisture Conservation Works
- Protection (Fencing, Watch man, People's Participation etc.):- Fencing
- Proposed Monitoring Mechanism:- (M&E),
- Any Other information:- Nil.

Dy. Conservator of Forest
Chhapra
Charkhi Dadri