

Full Title of the Project: Diversion of 0.6906 Ha. of Forest land for laying of DI Raw Water pipe line from JLN Canal for getting Raw Water by pumping for rising main 3 nos. of Water Works i.e. Kheri Khummar, Khatiwas, Talao by Executive Engineer, Public Health Engg. Division No.1, Jhajjar under Forest Division and Dist. Jhajjar.

Proposal No. : FP/HR/Water/152352/2022

Date of Proposal: 19 Feb, 2022

CHECK LIST SERIAL NUMBER:-17
"SCHEME FOR C.A."

Name of the Forest/Reach to be diverted

Forest Area = 0.6906 Ha.

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

Division:- **Jhajjar** District :- **Jhajjar** Tehsil: **Matanhail** Range:- **Matanhail**

Jhajjar Nala, KM 4 to 7

Start E 28° 34' 43.05" N 76° 40' 47.17"

End E 28° 34' 38.49" N 76° 40' 51.71"

Area to be Afforested :-

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or 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. 377.04 per day Cost considering an increase by 10% every year in Wage rates as per annexure 1) as under:-

Year	Wage Rate (in Rs.)
1 st Year cost of afforestation	388.64 x 1.1=427.5
2 nd Year maintenance	92.92 x (1.1) ² =112.43
3 rd Year maintenance	55.01 x (1.1) ³ =73.21
4 th Year maintenance	22.80 x (1.1) ⁴ =33.38
5 th Year maintenance	22.80 x (1.1) ⁵ =36.72
6 th Year maintenance	22.80 x (1.1) ⁶ =40.39
7 th Year maintenance	22.80 x (1.1) ⁷ =44.43
8 th Year maintenance	22.80 x (1.1) ⁸ =48.87
9 th Year maintenance	22.80 x (1.1) ⁹ =53.76
10 th Year maintenance	22.80 x (1.1) ¹⁰ =59.13
Total	929.82

Area to be Diverted : 0.6906ha.

No. of Trees to be felled : 3 = 5.94m³

No. of Plants to be damaged : 0

Area to be planted under normal CA 1.382 ha.

Plants to be Planted under normal CA : 1382 plants (@ 1000 plants per ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged) = 390 no.

Area to planted under Addl. CA : 0.390 ha. (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 1772plants

Total Area to be planted (CA+Addl.CA) : 1.772 (@ 1000 plants per ha.)

S.No	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)	
A	Compensatory Afforestation Charges	No. of Plant			
	(1) 1 st Year cost of afforestation	1382	Rs. 427.5 Per Plant	590805	
	(2) 2 nd Year maintenance	1382	Rs.112.43 Per Plant	155378	
	(3) 3 rd Year maintenance	1382	Rs. 73.21 Per Plant	101176	
	(4) 4 th Year maintenance	1382	Rs. 33.38 Per Plant	46131	
	(5) 5 th Year maintenance	1382	Rs. 36.72 Per Plant	50747	
	(6) 6 th Year maintenance	1382	Rs. 40.39 Per Plant	55819	
	(7) 7 th Year maintenance	1382	Rs. 44.43 Per Plant	61402	
	(8) 8 th Year maintenance	1382	Rs. 48.87 Per Plant	67538	
	(9) 9 th Year maintenance	1382	Rs. 53.76 Per Plant	74296	
	(10) 10 th Year maintenance	1382	Rs. 59.13 Per Plant	81718	
	(11) Barbed wire fencing charge	RKM	Rs.200000/- Per RKM	1200000	
		6			
	Total Charges				2485010
	Supervisory / Overhead / Miscellaneous Charges			10% on the CA charges	248501
Total (A) C.A. Charge				2733511	
B	Additional Compensatory Afforestation Charges				
	(1) 1 st Year cost of afforestation	390	Rs. 427.5 Per Plant	166725	
	(2) 2 nd Year maintenance	390	Rs.112.43 Per Plant	43848	
	(3) 3 rd Year maintenance	390	Rs. 73.21 Per Plant	28552	
	(4) 4 th Year maintenance	390	Rs. 33.38 Per Plant	13018	
	(5) 5 th Year maintenance	390	Rs. 36.72 Per Plant	14321	

	(6) 6 th Year maintenance	390	Rs. 40.39 Per Plant	15752
	(7) 7 th Year maintenance	390	Rs. 44.43 Per Plant	17328
	(8) 8 th Year maintenance	390	Rs. 48.87 Per Plant	19059
	(9) 9 th Year maintenance	390	Rs. 53.76 Per Plant	20966
	(10) 10 th Year maintenance	390	Rs. 59.13 Per Plant	23061
	(11) Barbed wire fencing charge	RKM	Include in CA Fencing	0
		0		
	Total (B) Addl. C.A. Charges			362630
C	Penal C.A.			0
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges		30% of the Total CA	820053
	Total (D)			
E	Safety Zone (if required)			
F	Additional Charges (if required)		0	0
	Total (F)			
G	Felling charges	Vol. M ³ 5.94	Rs.1400 /- per m ³	8316
	Grand Total (A+B+C+D+E+F+G) to be deposited in CAMPA Fund			3924510

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:- Neem, Jamun, Shisham, Papri etc.
- Plantation Method :- Tall Plantation
- Soil and Moisture Conservation Works
- Protection (Fencing, Watch man, People's Participation etc.):- **Fencing**
- Proposed Monitoring Mechanism:- (M&E),
- Any Other information:- Nil.

Place : Jhajjar

Date 18-08-2022


 Dy. Conservator of Forest
 Jhajjar Forest Division
 Dy. Conservator of Forests
 Office Seal: Territorial JHAJJAR

Full Title of the Project: Diversion of 0.6906 Ha. of Forest land for laying of DI Raw Water pipe line from JLN Canal for getting Raw Water by pumping for rising main 3 nos. of Water Works i.e. Kheri Khummar, Khatiwas, Talao by Executive Engineer, Public Health Engg. Division No.1, Jhajjar under Forest Division and Dist. Jhajjar.

Proposal No. : FP/HR/Water/152352/2022

Date of Proposal: 19 Feb, 2022

NPV Scheme

Eco Class Name	NPV Rate	Diverted Area	Total NPV
1	2	3	4=3*2
Eco Class-III, Open	Rs. 957780/- per ha.	0.6906 Ha.	661443

V.K. Singh
Dy. Conservator of Forests
Teritorial JHAJJAR