

Full Title of the Project: Diversion of 0.948 ha. of Forest Land for Construction of 3 lane ROB at Village Jhajrli in lieu of LC No. 27-SPL at Km 41/4-5 (Jharli yard) on Rewari-Hisar Railway line on Chhuchhakwas-Matanhail-Bahu-Karoli road by Deputy General Manager-IV, HSRDC, Rohtak in Jhajjar Dist.

Proposal No. :

FP/HR/Road/146475/2021

Date of Proposal:

28 Aug, 2021

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

Name of the Forest/Reach to be diverted

Forest Area = 0.948Ha.

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

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

Selenga Minor L&R, RD 17000 to 32000

Start L/s E 28° 30' 18.68" N 76° 25' 00.30" R/s E 28° 30' 19.09" N 76° 25' 00.42"

End L/s E 28° 30' 42.77" N 76° 23' 19.47" R/s E 28° 30' 42.77" N 76° 23' 19.88"

- Area to be Afforested :-
- Whether the site selected for Compensatory Afforestation is a Land bank (Yes or 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
 - Hilly/Undulating/Plain: **Plain**
 - 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. 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 : 0.948ha.

No. of Trees to be felled : 239 = 145.54m³

No. of Plants to be damaged : 37

Area to be planted under normal CA : 2.390 ha. (Ten times of trees to be felled)

Plants to be Planted under normal CA : 2390 plants (@ 1000 plants per ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged) = 74 no.

Area to planted under Addl. CA : 0.074 ha. (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 2464plants

Total Area to be planted (CA+Addl.CA) : 2.464 (@ 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	2390	Rs. 427.5 Per Plant	1021725
	(2) 2 nd Year maintenance	2390	Rs. 112.43 Per Plant	268708
	(3) 3 rd Year maintenance	2390	Rs. 73.21 Per Plant	174972
	(4) 4 th Year maintenance	2390	Rs. 33.38 Per Plant	79778
	(5) 5 th Year maintenance	2390	Rs. 36.72 Per Plant	87761
	(6) 6 th Year maintenance	2390	Rs. 40.39 Per Plant	96532
	(7) 7 th Year maintenance	2390	Rs. 44.43 Per Plant	106188
	(8) 8 th Year maintenance	2390	Rs. 48.87 Per Plant	116799
	(9) 9 th Year maintenance	2390	Rs. 53.76 Per Plant	128486
	(10) 10 th Year maintenance	2390	Rs. 59.13 Per Plant	141321
	(11) Barbed wire fencing charge	RKM	Rs. 200000/- Per RKM	1912000
		9.56		
	Total Charges			
Supervisory / Overhead / Miscellaneous Charges			10% on the CA charges	413427
Total (A) C.A. Charge				4547697
B	Additional Compensatory Afforestation Charges			
	(1) 1 st Year cost of afforestation	74	Rs. 427.5 Per Plant	31635
	(2) 2 nd Year maintenance	74	Rs. 112.43 Per Plant	8320
	(3) 3 rd Year maintenance	74	Rs. 73.21 Per Plant	5418
	(4) 4 th Year maintenance	74	Rs. 33.38 Per Plant	2470
	(5) 5 th Year maintenance	74	Rs. 36.72 Per Plant	2717

	(6) 6 th Year maintenance	74	Rs. 40.39 Per Plant	2989
	(7) 7 th Year maintenance	74	Rs. 44.43 Per Plant	3288
	(8) 8 th Year maintenance	74	Rs. 48.87 Per Plant	3616
	(9) 9 th Year maintenance	74	Rs. 53.76 Per Plant	3978
	(10) 10 th Year maintenance	74	Rs. 59.13 Per Plant	4376
	(11) Barbed wire fencing charge	RKM	Rs.200000/- Per RKM	59200
		0.296		
Total (B) Addl. C.A. Charges				128007
C	Penal C.A.			0
D	Catchment Area Treatment			1364309
	Soil and Moisture Conservation charges	30% of the Total CA		
	Total (D)			
E	Safety Zone (if required)			0
F	Additional Charges (if required)			
	Total (F)			
G	Net Present Value of Forest Land to be diverted		Rs. 887000/- per ha.	840876
H	Felling charges	Vol. M ³	Rs.1400 /- per m ³	203756
		145.54		
Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund				7084644

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacement:- 4 × 2½ 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

V.K. Singh
Dy. Conservator of Forest
Jhajjar Forest Division,
Office Seal. Territorial JHAJJAR