

**Full Title of the Project:** Diversion of 0.77 ha. Of forest land in favour of Executive Engineer, PWD B&R. Narwana for Construction of Railway Over Bridge (ROB) LC-139 on Narwana-Samain Road (CM Announcement code No. 17981), under Forest Division & District Jind.

51

**File No. :** FP/HR/Road/44445/2020

**Date of Proposal:** 18-03-2020

**CHECK LIST SERIAL NUMBER:-18**  
**"SCHEME FOR C.A."**

**Name of the Forest/Reach to be diverted:** Diversion of 0.77 ha. Of forest land in favour of Executive Engineer, PWD B&R. Narwana for Construction of Railway Over Bridge (ROB) LC-139 on Narwana-Samain Road (CM Announcement code No. 17981), under Forest Division & District Jind.

**Forest Area = 0.77 hect**

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

Division Jind	District Jind	Tehsil Narwana	Range Narwana
C.A. Site name :	Nara Distybutary RD 0 to 17 L&R Side		
Area to be Afforested :-			
a)	Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No):		
			Yes
b)	If the CA site is other than the land bank, reasons be given:-		
			N/A
In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :-			
			N/A
i)	Soil type:		
			sandy to sandy loam
ii)	Topography		
	a. Hilly/Undulating/Plain:		Plain
	b. Slope:-Steep/Medium/Gentle:		Gentle
iii)	Whether the area is bearing any root stock of vegetation:-		
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**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. 347.08/- per day as under:-

Year	Rate per Plant
1 <sup>st</sup> Year cost of afforestation	Rs. 381.28/- Per Plant
2 <sup>nd</sup> Year maintenance	Rs. 122.48/- Per Plant
3 <sup>rd</sup> Year maintenance	Rs. 44.48/- Per Plant
4 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
5 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
6 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
7 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
8 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
9 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
10 <sup>th</sup> Year maintenance	Rs. 16.54/- Per Plant
<b>Total</b>	<b>Rs. 664.02 /-</b>

Area to be Diverted : 0.77 ha.

No. of Tree to be felled : 27

No. of Plant to be damaged: Nil

Plants to be Planted under normal CA : 1540 (@ 1000 plants per ha.)

Plant to be Planted under Penal CA: 0 (@1000 Plant per hect.)

Additional CA is lieu of Plants to be damaged (Double the plants to be Damaged) =0

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

Total No. of Plants to be Planted : 1540 Nos

Total Area to be Planted (CA+ Penal.CA) 1.54 ha. (@ 1000 plants per ha.)

S.No	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges			
		No. of Plants		
	(1)	1 <sup>st</sup> Year cost of afforestation	1540	
	(2)	2 <sup>nd</sup> Year maintenance		
	(3)	3 <sup>rd</sup> Year maintenance		
	(4)	4 <sup>th</sup> Year maintenance		
	(5)	5 <sup>th</sup> Year maintenance		
	(6)	6 <sup>th</sup> Year maintenance		
	(7)	7 <sup>th</sup> Year maintenance		
	(8)	8 <sup>th</sup> Year maintenance		
	(9)	9 <sup>th</sup> Year maintenance		
	(10)	10 <sup>th</sup> Year maintenance		
	(11)	Barbed wire fencing charge= 6.16 RKM		
Total Charges				22,54,593
Supervisory / Overhead / Miscellaneous Charges			10% on the CA charges	2,25,459
Total (A) C.A. Charges				24,80,052
B	Additional Compensatory Afforestation Charges/			
	(1)	1 <sup>st</sup> Year cost of afforestation	0	
	(2)	2 <sup>nd</sup> Year maintenance		
	(3)	3 <sup>rd</sup> Year maintenance		
	(4)	4 <sup>th</sup> Year maintenance		
	(5)	5 <sup>th</sup> Year maintenance		
	(6)	6 <sup>th</sup> Year maintenance		
	(7)	7 <sup>th</sup> Year maintenance		
	(8)	8 <sup>th</sup> Year maintenance		
	(9)	9 <sup>th</sup> Year maintenance		
	(10)	10 <sup>th</sup> Year maintenance		
	(11)	Barbed wire fencing charge= 0RKM		
Total (B) Addl. C.A. Charges				0

55

57

C Penal CA Charges			
(1) 1 <sup>st</sup> Year cost of afforestation	0	Rs. 381.28/- Per Plant	0
(2) 2 <sup>nd</sup> Year maintenance		Rs. 122.48/- Per Plant	0
(3) 3 <sup>rd</sup> Year maintenance		Rs. 44.48/- Per Plant	0
(4) 4 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	0
(5) 5 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	0
(6) 6 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	0
(7) 7 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	0
(8) 8 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	0
(9) 9 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	0
(10) 10 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	0
(11) Barbed wire fencing charge= 0 RKM		Rs.200000/- Per RKM	0
Total (B) Addl. C.A. Charges			0
D Catchment Area Treatment			
Soil and Moisture Conservation charges		30% of the Total CA	7,44,016
Total (D)			7,44,016
E Safety Zone (if required)			
			0
F Additional Charges (If required) Qty Rate			
Survey and Demarcation			100000
Bolero Jeep Inspection Vehicle			800000
Tractor 1 No.			0
Trolley & Tanker			0
Total (F)			900000
G	Net Present Value of Forest Land to be diverted 0.77 ha	Rs. 887000/- per ha.	682990
H	Penalty for violation as provision B(i) of MoEFCC Letter No. 11-42/2014-FC dt 29-01-2018 with interest. Period of violation from No Violation in the case	Actual NPV+ Interest @ 12% per annum ( )	0
I	Less 20 % of NPV		0
J	Total NPV+ Interest @ 12% per annum		0
K	Felling charges = 26.84 m <sup>3</sup>	Rs.1200 /- per m <sup>3</sup>	32208
GRAND TOTAL (A+B+C+D+E+F+G+H+I+J+K) to be deposited in CAMPA Fund			48,39,266

2. Technical details:-

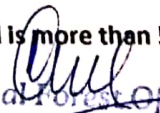
Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Details:- Plantation will be done with barbed wire.
- b) Spacement:- 4 x 2½ meter
- c) Species:- Chhoti Gulmohar, Chandani, Kachnar, Sahtoot, Dhak, Beri, Shisham, Kikar, Neem, Jamun, Jamova, Bel Pather, Lasora, Arjun, Siris.
- d) Plantation Method :- ANR 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.

Place: Jind

Dated :

Note : CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.

  
 Divisional Forest Officer,  
 Divisional Forests Officer  
 Jind Jind