

**Full Title of the Project:** Diversion of 0.1785 ha. Of Forest Land in favour of Executive Engineer, Provincial Division, PWD B&R Narwana for Construction of New Road from Narwana – Dhakal Road to NH-71 (CM Announcement code No. 17952), under Forest Division & District Jind.

**File No. :** FP/HR/Road/44446/2020

**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 0.1785 ha. Of Forest Land in favour of Executive Engineer, Provincial Division, PWD B&R Narwana for Construction of New Road from Narwana – Dhakal Road to NH-71 (CM Announcement code No. 17952), under Forest Division & District Jind.

**Forest Area = 0.1785 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 : **Narwana to Kharadwal Road KM 0-8 L/R**

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:- **---**

**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 : 0.1785 ha.

No. of Tree to be felled : 67

No. of Plant to be damaged: 80

Plants to be Planted under normal CA : 670 (@ 1000 plants per ha.)

Area to be Planted under Penal CA : 0.670 ha.. (ten time of the area to be diverted)

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

Additional CA is lieu of Plants to be damaged (Double the plants to be Damaged) =160

Area to Planted under Addl. CA : 0.16 (@ 1000 plants per ha.)

**Total No. of Plants to be Planted (CA+Penal.CA) : 830**

**Total Area to be Planted (CA+ Penal.CA) 0.83 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	670	Rs. 381.28/- Per Plant	255458	
	(2) 2 <sup>nd</sup> Year maintenance		Rs. 122.48/- Per Plant	82062	
	(3) 3 <sup>rd</sup> Year maintenance		Rs. 44.48/- Per Plant	29802	
	(4) 4 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	11082	
	(5) 5 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	11082	
	(6) 6 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	11082	
	(7) 7 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	11082	
	(8) 8 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	11082	
	(9) 9 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	11082	
	(10) 10 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	11082	
	(11) Barbed wire fencing charge=2.68 RKM			Rs.200000/- Per RKM	5,36,000
	Total Charges				<b>9,80,896</b>
	Supervisory / Overhead / Miscellaneous Charges			10% on the CA charges	98,090
<b>Total (A) C.A. Charges</b>				<b>10,78,986</b>	
B	<b>Additional Compensatory Afforestation Charges/</b>				
	(1) 1 <sup>st</sup> Year cost of afforestation	160	Rs. 381.28/- Per Plant	61005	
	(2) 2 <sup>nd</sup> Year maintenance		Rs. 122.48/- Per Plant	19597	
	(3) 3 <sup>rd</sup> Year maintenance		Rs. 44.48/- Per Plant	7117	
	(4) 4 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	2646	
	(5) 5 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	2646	
	(6) 6 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	2646	
	(7) 7 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	2646	
	(8) 8 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	2646	
	(9) 9 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	2646	
	(10) 10 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant	2646	
	(11) Barbed wire fencing charge= 0.64 RKM			Rs.200000/- Per RKM	128000
<b>Total (B) Addl. C.A. Charges</b>				<b>234241</b>	
C	<b>Penal CA Charges</b>				
	(1) 1 <sup>st</sup> Year cost of afforestation	0	Rs. 381.28/- Per Plant		
	(2) 2 <sup>nd</sup> Year maintenance		Rs. 122.48/- Per Plant		
	(3) 3 <sup>rd</sup> Year maintenance		Rs. 44.48/- Per Plant		
	(4) 4 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant		
	(5) 5 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant		
	(6) 6 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant		
	(7) 7 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant		
	(8) 8 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant		
	(9) 9 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant		
	(10) 10 <sup>th</sup> Year maintenance		Rs. 16.54/- Per Plant		
	(11) Barbed wire fencing charge= 0 RKM			Rs.200000/- Per RKM	
<b>Total (B) Addl. C.A. Charges</b>					

D	<b>Catchment Area Treatment</b>		<b>0</b>
	Soil and Moisture Conservation charges	30% of the Total CA	3,23,696
	<b>Total (D)</b>		<b>3,23,696</b>
E	Safety Zone (if required)		<b>0</b>
F	<b>Additional Charges (If required)</b>	<b>Qty</b>	<b>Rate</b>
	Survey and Demarcation		100000
	Construction of Seed Store		800000
	Tractor 1 No.		0
	Trolley & Tanker		0
	<b>Total (F)</b>		<b>900000</b>
G	Net Present Value of Forest Land to be diverted <b>0.1785 ha</b>	Rs. 887000/- per ha.	<b>158329</b>
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 ..... to ..... (No. of days= ..... )	Actual NPV+ Interest @ 12% per annum ( )	<b>0</b>
I	Less 20 % of NPV		<b>0</b>
J	Total NPV+ Interest @12% per annum		<b>0</b>
K	Felling charges = <b>37.67 m<sup>3</sup></b>	Rs.1200 /- per m <sup>3</sup>	45204
	<b>GRAND TOTAL (A+B+C+D+E+F+G+H+I+J+K) to be deposited in CAMPA Fund</b>		<b>27,40,456</b>

2. **Technical details:-**

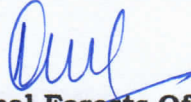
Technical details of Compensatory Afforestation Scheme are as follows:-

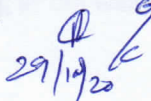
- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacing:- 4 × 2½ meter
- Species:- **Dhak, Beri, Shisham, Kikar, Neem, Jamun, Jamova, Bel Pather, Lasora, Arjun, Siris, etc.**
- Plantation Method :- **ANR** Plantation
- Soil and Moisture Conservation Works
- Protection (Fencing, Watch man, People's Participation etc.):- **Fencing**
- Proposed Monitoring Mechanism:- **(M&E)**,
- Any Other information:- Nil.

Place: **Jind**

Dated :

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

  
**Divisional Forests Officer**  
**Jind**

  
29/1/20