

**Full Title of the Project:** Diversion of 6.6336Ha. Forest Land for const. of Northern Bypass of Bahadurgarh Town on the Bank of West Jua Drain from Kharkhuda Assaudha Road to Nahra Bahadurgarh Road under Jhajjar Distt.

**File No. :** FCA-1980-C-XVII-298  
**Date of Proposal:** 02 Apr., 2019

**CHECK LIST SERIAL NUMBER: 17**  
**"SCHEME FOR COMPENSATORY AFFORESTATION"**

Forest Area = 6.636Ha.

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

Division:- Jhajjar District :- Jhajjar Tehsil: B\_garh Range:- B\_garh

C.A Site Name -1. Drain No. 8 Km 32 to 41.3 (4.5Ha.)

Start L/s E 76° 48' 21.59" N 28° 31' 23.33"

End L/s E 76° 52' 7.79" N 28° 32' 4.88"

Start R/s E 76° 48' 22.74" N 28° 30' 22.37"

End R/s E 76° 52' 8.156" N 28° 32' 3.072"

**2. GWS Cannal RD 19.400 to 38 (4Ha.)**

Start L/s E 76° 52' 14.09" N 28° 46' 15.573"

End L/s E 76° 49' 54.59" N 28° 39' 53.97"

Start R/s E 76° 52' 13.20" N 28° 41' 16.04"

End R/s E 76° 49' 53.37" N 28° 37' 53.67"

**Area to be Afforested :-**

Whether the site selected for Compensatory Afforestation is a land bank or not :- No, the site selected for compensatory afforestation is not a land bank.

If the CA site is other than the land bank, reasons be given :- There is no land bank in District Jhajjar. Plantation will be done in protected forest areas.

In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:- Nil

i. Soil type :- Sandy Loam

ii. Topography :- a. Hilly/Undulating/Plain

b. Slope:- Steep/Medium/Gentle

vi. Whether the area is bearing any root stock of vegetation :- Nil

**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: 326.82 per day as under:-

Year	Rate per Plant
1 <sup>st</sup> Year cost of afforestation	Rs. 359.10 Per Plant
2 <sup>nd</sup> Year maintenance	Rs. 115.35 Per Plant
3 <sup>rd</sup> Year maintenance	Rs. 41.89 Per Plant
4 <sup>th</sup> Year maintenance	Rs. 15.58 Per Plant
5 <sup>th</sup> Year maintenance	Rs. 15.58 Per Plant
6 <sup>th</sup> Year maintenance	Rs. 15.58 Per Plant
7 <sup>th</sup> Year maintenance	Rs. 15.58 Per Plant
8 <sup>th</sup> Year maintenance	Rs. 15.58 Per Plant
9 <sup>th</sup> Year maintenance	Rs. 15.58 Per Plant
10 <sup>th</sup> Year maintenance	Rs. 15.58 Per Plant
Total	Rs. 625.40

Area to be Diverted : 6.6336ha.

No. of Trees to be felled : 316

No. of Plants to be damaged : 500

Area to be planted under normal CA : 8.5 ha. (Double the area to be diverted)

Plants to be Planted under normal CA : 8500plants (@ 1000 plants per ha.)

Add. C.A. in lieu of plants to be damaged (Double the plants to be damaged)= 1000 Plants

Area to planted under Addl. CA : 1.0 ha. (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 9500plants

Total Area to be planted (CA+Addl.CA) : 9.5ha. (@ 1000 plants per ha.)

S.No	DESCRIPTION	RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plant	
(1)	1 <sup>st</sup> Year cost of afforestation	8500	Rs. 359.10 Per Plant 3052350
(2)	2 <sup>nd</sup> Year maintenance	8500	Rs. 115.35 Per Plant 980475
(3)	3 <sup>rd</sup> Year maintenance	8500	Rs. 41.89 Per Plant 356065
(4)	4 <sup>th</sup> Year maintenance	8500	Rs. 15.58 Per Plant 132430
(5)	5 <sup>th</sup> Year maintenance	8500	Rs. 15.58 Per Plant 132430
(6)	6 <sup>th</sup> Year maintenance	8500	Rs. 15.58 Per Plant 132430
(7)	7 <sup>th</sup> Year maintenance	8500	Rs. 15.58 Per Plant 132430
(8)	8 <sup>th</sup> Year maintenance	8500	Rs. 15.58 Per Plant 132430
(9)	9 <sup>th</sup> Year maintenance	8500	Rs. 15.58 Per Plant 132430
(10)	10 <sup>th</sup> Year maintenance	8500	Rs. 15.58 Per Plant 132430
(11)	Barbed wire fencing charge	RKM 34	Rs.76700/- Per RKM 2607800
	Total Charges		7923700

	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	792370
	<b>Total (A) C.A. Charge</b>			<b>8716070</b>
<b>B</b>	<b>Additional Compensatory Afforestation Charges</b>			
	(1) 1 <sup>st</sup> Year cost of afforestation	1000	Rs. 359.10 Per Plant	359100
	(2) 2 <sup>nd</sup> Year maintenance	1000	Rs. 115.35 Per Plant	115350
	(3) 3 <sup>rd</sup> Year maintenance	1000	Rs. 41.89 Per Plant	41890
	(4) 4 <sup>th</sup> Year maintenance	1000	Rs. 15.58 Per Plant	15580
	(5) 5 <sup>th</sup> Year maintenance	1000	Rs. 15.58 Per Plant	15580
	(6) 6 <sup>th</sup> Year maintenance	1000	Rs. 15.58 Per Plant	15580
	(7) 7 <sup>th</sup> Year maintenance	1000	Rs. 15.58 Per Plant	15580
	(8) 8 <sup>th</sup> Year maintenance	1000	Rs. 15.58 Per Plant	15580
	(9) 9 <sup>th</sup> Year maintenance	1000	Rs. 15.58 Per Plant	15580
	(10) 10 <sup>th</sup> Year maintenance	1000	Rs. 15.58 Per Plant	15580
	(11) Barbed wire fencing charge	RKM 4.00	Rs.76700/- Per RKM	306800
	<b>Total (B) Addl. C.A. Charges</b>			<b>932200</b>
<b>C</b>	Penal C.A.			0
<b>D</b>	<b>Catchment Area Treatment</b>			
	Soil and Moisture Conservation charges		30% of the Total CA	261482
	<b>Total (D)</b>			
<b>E</b>	Safety Zone (if required)			
<b>F</b>	<b>Additional Charges (if required)</b>	<b>Qty</b>	<b>Rate</b>	
	<b>Total (F)</b>			
<b>G</b>	Net Present Value of Forest Land to be diverted		Rs. 887000/- per ha.	5884003
<b>H</b>	Felling charges	Vol. M <sup>3</sup> 347.44	Rs.1200 /- per m <sup>3</sup>	416928
	<b>Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund</b>			<b>16210683</b>

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Details:- Plantation will be done with 3 strand barbed wire.
- b) Spacement:- 4 x 2½ meter
- c) Species:- Neem, Jamun, Shisham, Papri etc.
- d) Plantation Method :- Tall 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 : Jhajjar

Dated 03-06-2019



(Raj Kumar, IFS)  
Dy. Conservator of Forests  
Jhajjar Forest Division.  
Office Seal.....

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End R/s E 76° 52' 8.156" N 28° 32' 3.072"

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**Area to be Afforested :-**

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In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:- Nil

iii. Soil type :- Sandy Loam

iv. Topography :- a. Hilly/Undulating/Plain

b. Slope:- Steep/Medium/Gentle

vi. Whether the area is bearing any root stock of vegetation :- Nil

**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 plants norms on double ridge @1000plants at spacing 2m x 2m at the wage rate of Rs. 339.51 per day as under:-

Year	Rate per Plant
1 <sup>st</sup> Year cost of afforestation	Rs. 297 Per Plant
2 <sup>nd</sup> Year maintenance	Rs. 31 Per Plant
3 <sup>rd</sup> Year maintenance	Rs. 18 Per Plant
4 <sup>th</sup> Year maintenance	Rs. 6 Per Plant
5 <sup>th</sup> Year maintenance	Rs. 6 Per Plant
6 <sup>th</sup> Year maintenance	Rs. 6 Per Plant
7 <sup>th</sup> Year maintenance	Rs. 6 Per Plant
8 <sup>th</sup> Year maintenance	Rs. 6 Per Plant
9 <sup>th</sup> Year maintenance	Rs. 6 Per Plant
10 <sup>th</sup> Year maintenance	Rs. 6 Per Plant
Total	Rs. 385

Area to be Diverted : 6.6336ha.

No. of Trees to be felled : --

No. of Plants to be damaged : --

Area to be planted under double ridge @1000 plants = 19.08RKM

Plants to be Planted under normal CA : 19080plants (@ 1000 plants per RKM)

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

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

Total No. of plants to be planted (CA+Addl.CA) : 19080plants

Total Area to be planted (CA+Addl.CA): 19.08RKM=4.77Ha. (@ 1000 plants per RKM.)

S.No	DESCRIPTION	RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plant	
(1)	1 <sup>st</sup> Year cost of afforestation	19080	Rs. 297 Per Plant 5666760
(2)	2 <sup>nd</sup> Year maintenance	19080	Rs. 31 Per Plant 591480
(3)	3 <sup>rd</sup> Year maintenance	19080	Rs. 18 Per Plant 343440
(4)	4 <sup>th</sup> Year maintenance	19080	Rs. 6 Per Plant 114480
(5)	5 <sup>th</sup> Year maintenance	19080	Rs. 6 Per Plant 114480
(6)	6 <sup>th</sup> Year maintenance	19080	Rs. 6 Per Plant 114480
(7)	7 <sup>th</sup> Year maintenance	19080	Rs. 6 Per Plant 114480
(8)	8 <sup>th</sup> Year maintenance	19080	Rs. 6 Per Plant 114480
(9)	9 <sup>th</sup> Year maintenance	19080	Rs. 6 Per Plant 114480
(10)	10 <sup>th</sup> Year maintenance	19080	Rs. 6 Per Plant 114480
(11)	Barbed wire fencing charge	RKM 0	Rs.76700/- Per RKM 0
	Total Charges		7403040

	Supervisory / Overhead / Miscellaneous Charges	10% on the CA charges	740304
	<b>Total (A) C.A. Charge</b>		<b>8143344</b>
<b>B</b>	<b>Additional Compensatory Afforestation Charges</b>		
(1)	1 <sup>st</sup> Year cost of afforestation	-	-
(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	RKM	-
	<b>Total (B) Addl. C.A. Charges</b>		
<b>C</b>	<b>Penal C.A.</b>	-	-
<b>D</b>	<b>Catchment Area Treatment</b>		0
	Soil and Moisture Conservation charges	30% of the Total CA	0
	<b>Total (D)</b>		
<b>E</b>	<b>Safety Zone (if required)</b>		
<b>F</b>	<b>Additional Charges (if required)</b>	<b>Qty</b>	<b>Rate</b>
	<b>Total (F)</b>		
<b>G</b>	Net Present Value of Forest Land to be diverted	Rs. 887000/- per ha.	0
<b>H</b>	Felling charges	Vol. M <sup>3</sup> 347.44	Rs. 1200 /- per m <sup>3</sup> 0
	<b>Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund</b>		<b>8143344</b>

## 2. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacement:- 2 x 2 meter
- Species:- Euc, Kikarm etc.
- Plantation Method :- Ridge Plantation
- Soil and Moisture Conservation Works
- Protection (Fencing, Watch man, People's Participation etc.):- Fencing

- g) Proposed Monitoring Mechanism:- (M&E),
- h) Any Other information:- Nil.

Place : Jhajjar

Dated 03-06-2019

  
(Raj Kumar, IFS)  
Dy. Conservator of Forests  
Jhajjar Forest Division.  
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