

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 Kharkhauda 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 st Year cost of afforestation | Rs. 359.10 Per Plant |
| 2 nd Year maintenance | Rs. 115.35 Per Plant |
| 3 rd Year maintenance | Rs. 41.89 Per Plant |
| 4 th Year maintenance | Rs. 15.58 Per Plant |
| 5 th Year maintenance | Rs. 15.58 Per Plant |
| 6 th Year maintenance | Rs. 15.58 Per Plant |
| 7 th Year maintenance | Rs. 15.58 Per Plant |
| 8 th Year maintenance | Rs. 15.58 Per Plant |
| 9 th Year maintenance | Rs. 15.58 Per Plant |
| 10 th 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 st Year cost of afforestation | 8500 | Rs. 359.10 Per Plant | 3052350 |
| | (2) 2 nd Year maintenance | 8500 | Rs. 115.35 Per Plant | 980475 |
| | (3) 3 rd Year maintenance | 8500 | Rs. 41.89 Per Plant | 356065 |
| | (4) 4 th Year maintenance | 8500 | Rs. 15.58 Per Plant | 132430 |
| | (5) 5 th Year maintenance | 8500 | Rs. 15.58 Per Plant | 132430 |
| | (6) 6 th Year maintenance | 8500 | Rs. 15.58 Per Plant | 132430 |
| | (7) 7 th Year maintenance | 8500 | Rs. 15.58 Per Plant | 132430 |
| | (8) 8 th Year maintenance | 8500 | Rs. 15.58 Per Plant | 132430 |
| | (9) 9 th Year maintenance | 8500 | Rs. 15.58 Per Plant | 132430 |
| | (10) 10 th 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 |
| | Total (A) C.A. Charge | | | 8716070 |
| B | Additional Compensatory Afforestation Charges | | | |
| | (1) 1 st Year cost of afforestation | 1000 | Rs. 359.10 Per Plant | 359100 |
| | (2) 2 nd Year maintenance | 1000 | Rs. 115.35 Per Plant | 115350 |
| | (3) 3 rd Year maintenance | 1000 | Rs. 41.89 Per Plant | 41890 |
| | (4) 4 th Year maintenance | 1000 | Rs. 15.58 Per Plant | 15580 |
| | (5) 5 th Year maintenance | 1000 | Rs. 15.58 Per Plant | 15580 |
| | (6) 6 th Year maintenance | 1000 | Rs. 15.58 Per Plant | 15580 |
| | (7) 7 th Year maintenance | 1000 | Rs. 15.58 Per Plant | 15580 |
| | (8) 8 th Year maintenance | 1000 | Rs. 15.58 Per Plant | 15580 |
| | (9) 9 th Year maintenance | 1000 | Rs. 15.58 Per Plant | 15580 |
| | (10) 10 th Year maintenance | 1000 | Rs. 15.58 Per Plant | 15580 |
| | (11) Barbed wire fencing charge | RKM 4.00 | Rs.76700/- Per RKM | 306800 |
| | Total (B) Addl. C.A. Charges | | | 932200 |
| C | Penal C.A. | | | 0 |
| D | Catchment Area Treatment | | | |
| | Soil and Moisture Conservation charges | | 30% of the Total CA | 261482 |
| | Total (D) | | | |
| E | Safety Zone (if required) | | | |
| F | Additional Charges (if required) | | | |
| | | Qty | Rate | |
| | Total (F) | | | |
| G | Net Present Value of Forest Land to be diverted | | | Rs. 887000/- per ha. 5884003 |
| H | Felling charges | Vol. M ³ 347.44 | Rs.1200 /- per m ³ | 416928 |
| | Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund | | | 16210683 |

2. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacement:- $4 \times 2\frac{1}{2}$ meter
- Species:- Neem, Jamun, Shisham, Papri etc.
- Plantation Method :- Tall Plantation
- 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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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

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 st Year cost of afforestation | Rs. 297 Per Plant |
| 2 nd Year maintenance | Rs. 31 Per Plant |
| 3 rd Year maintenance | Rs. 18 Per Plant |
| 4 th Year maintenance | Rs. 6 Per Plant |
| 5 th Year maintenance | Rs. 6 Per Plant |
| 6 th Year maintenance | Rs. 6 Per Plant |
| 7 th Year maintenance | Rs. 6 Per Plant |
| 8 th Year maintenance | Rs. 6 Per Plant |
| 9 th Year maintenance | Rs. 6 Per Plant |
| 10 th 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 st Year cost of afforestation | 19080 | Rs. 297 Per Plant | 5666760 |
| | (2) 2 nd Year maintenance | 19080 | Rs. 31 Per Plant | 591480 |
| | (3) 3 rd Year maintenance | 19080 | Rs. 18 Per Plant | 343440 |
| | (4) 4 th Year maintenance | 19080 | Rs. 6 Per Plant | 114480 |
| | (5) 5 th Year maintenance | 19080 | Rs. 6 Per Plant | 114480 |
| | (6) 6 th Year maintenance | 19080 | Rs. 6 Per Plant | 114480 |
| | (7) 7 th Year maintenance | 19080 | Rs. 6 Per Plant | 114480 |
| | (8) 8 th Year maintenance | 19080 | Rs. 6 Per Plant | 114480 |
| | (9) 9 th Year maintenance | 19080 | Rs. 6 Per Plant | 114480 |
| | (10) 10 th 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 |
| | Total (A) C.A. Charge | | | |
| B | Additional Compensatory Afforestation Charges | | | 8143344 |
| | (1) 1 st Year cost of afforestation | - | | - |
| | (2) 2 nd Year maintenance | - | | - |
| | (3) 3 rd Year maintenance | - | | - |
| | (4) 4 th Year maintenance | - | | - |
| | (5) 5 th Year maintenance | - | | - |
| | (6) 6 th Year maintenance | - | | - |
| | (7) 7 th Year maintenance | - | | - |
| | (8) 8 th Year maintenance | - | | - |
| | (9) 9 th Year maintenance | - | | - |
| | (10) 10 th Year maintenance | - | | - |
| | (11) Barbed wire fencing charge | RKM | | - |
| | | - | | - |
| | Total (B) Addl. C.A. Charges | | | - |
| C | Penal C.A. | | | - |
| | | | | 0 |
| D | Catchment Area Treatment | | | |
| | Soil and Moisture Conservation charges | 30% of the Total CA | | 0 |
| | Total (D) | | | |
| E | Safety Zone (if required) | | | |
| F | Additional Charges (if required) | Qty | Rate | |
| | Total (F) | | | |
| G | Net Present Value of Forest Land to be diverted | Rs. 887000/- per ha. | | 0 |
| H | Felling charges | Vol. M ³ | | |
| | | 347.44 | Rs.1200 /- per m ³ | 0 |
| | Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund | | | 8143344 |

2. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacing:- 2 × 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.
Office Seal.....