

Full Title of the Project - : Diversion of 0.618 ha. of forest land for laying of 900 mm Water supply pipe line from RD 17.6 to Siha Minor at RD 19.1 & Near NH-2 RD 24.9 to Gounchhi Drain RD 27.4 Manpur road under forest Division & District Palwal

File No. :

FP/HR/Water/35225/2018

Date of Proposal:

CHECK LIST SERIAL NUMBER:-18

"CA SCHEME"

(Revised C.A)

Name of the Forest/Reach to be : Diversion of 0.618 ha. of forest land for laying of 900 mm Water supply pipe line from RD 17.6 to Siha Minor at RD 19.1 & Near NH-2 RD 24.9 to Gounchhi Drain RD 27.4 Manpur road under forest Division & District Palwal

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

Division: -Nuh District -Nuh

Tehsil Firozpur Jhirka Range Firozpur Jhirka

C.A. Site name : Nangal Mubarikpur Sec 4-5

GPS Reading :- CA + Additional CA Total Area 1.820 ha.

Nangal Mubarikpur Sec 4&5

N 27.901959 E 76.956719

N 27.901956 E 76.957356

N 27.90214 E 76.956525

N 27.902163 E 76.957964

N 27.902709 E 76.956374

N 27.902665 E 76.957758

N 27.903812 E 76.95691

N 27.903004 E 76.957542

N 27.904029 E 76.958314

N 27.903523 E 76.95882

N 27.904408 E 76.959043

N 27.90387 E 76.958931

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 :-
- i) Soil type: **Sandy to Sandy Loam.**
- ii) Topography a. Hilly/Undulating/Plain: **Undulating**
b. Slope:-Steep/Medium/Gentle: **Gentle to steep**
- iii) Whether the area is bearing any root stock of vegetation:- **At some hilly places.**

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 is calculated for **Plantation as per. At 4m X 2½ m spacing and 1000 plants per Hec.** at the wages rate approved 2020-21 at Rs 347.08/- as per wage plants as under:-

Sr. No.	Year	Rate per plant
1	1 st Year Plantation	395/- Per Plant
2	2 nd Year Maintenance	138/- Per Plant
3	3 rd Year Maintenance	55/- Per Plant
4	4 th Year Maintenance	22/- Per Plant
5	5th Year Maintenance	24/- Per Plant
6	6th Year Maintenance	26/- Per Plant
7	7th Year Maintenance	27/- Per Plant
8	8th Year Maintenance	28/- Per Plant
9	9th Year Maintenance	30/- Per Plant
10	10th Year Maintenance	32/- Per Plant

Area to be Diverted = 0.618 ha.

No. of trees to be felled= 172 No.

Plants to be damaged= 50 No.

Plants to be planted= 172 No. x 10= 1720 No.

Area to be planted = Two time of the area to be diverted= 0.618x2=1.236 ha.

Plants to be Planted = 172x10= 1720 (@ 1000 plant per ha.)

Additional C.A in lieu of plants to be damaged (Double) the plants to be damaged) 100

S. No.	Description	Total Area	Rate	Total Amount (Rs.)
A	Compensatory Afforestation Charges	No. of plants		
1	1st Year Plantation	1720	395/- Per Plant	679400
2	2nd Year Plantation	1720	138/- Per Plant	237360
3	3rd Year Plantation	1720	55/- Per Plant	94600
4	4th Year Plantation	1720	22/- Per Plant	37840
5	5th Year Plantation	1720	24/- Per Plant	41288
6	6th Year Plantation	1720	26/- Per Plant	44720
7	7th Year Plantation	1720	27/- Per Plant	46440
8	8th Year Plantation	1720	28/- Per Plant	48160
9	9th Year Plantation	1720	30/- Per Plant	51600
10	10th Year Plantation	1720	32/- Per Plant	55040
11	Barbed Wire Fencing Charge	6.88 RKM	Rs. 200000 per km.	1376000
	Total Charges)			2712448
	Supervisory/Overhead/Miscellaneous Charges		10% On the CA Charges	271245
	Total (A) C.A Charges			2983693

Additional Compensatory Afforestation Charges				
B	Compensatory Afforestation Charges	No. of Plants		
1	1st Year Plantation	100	395/- Per Plant	39500
2	2nd Year Plantation	100	138/- Per Plant	13800
3	3rd Year Plantation	100	55/- Per Plant	5500
4	4th Year Plantation	100	22/- Per Plant	2200
5	5th Year Plantation	100	24/- Per Plant	2400
6	6th Year Plantation	100	26/- Per Plant	2600
7	7th Year Plantation	100	27/- Per Plant	2700
8	8th Year Plantation	100	28/- Per Plant	2800
9	9th Year Plantation	100	30/- Per Plant	3000
10	10th Year Plantation	100	32/- Per Plant	3200
11	Barbed Wire Fencing Charge=	0.4 RKM	Rs. 200000 per km.	80000
	Total (B) Addl. C.A Charges			157700
C	Catchment Area Treatment (if required)			
	Soil and Moisture Conservation Charges		30% of the Total C.A	942418
(i)	Digging of Pit cum Trenches 1820x2.0x0.45x0.45=737.1 cum	737.1 cum	143.31 per cum.	105634
(ii)	Installation of Tubewell with pipe/Fitting underground etc.	1 No.	1500000 per No.-	1500000
D	Safety Zone (if required)			
E	Additional Charges (if required)			
F	Net Present Value of Forest Land to be diverted		Rs. 887000/- per ha.	548166
G	Felling Charges = 40M ³	40 M3	Rs.1200/- per m3	48000
H	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G)			188568
GRANT TOTAL				6474179

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:- Ronj (Vachellia leucophloea) Kheri (Prosopis Cineraria)
Pahari Papri (Holoptelea integrifolia) Dhak (Butea monosperma) etc.
- Plantation Method :- Small 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:

Dated :

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


Divisional Forest Officer
Muzaffargarh District