

Full Title of the Project - : Diversion of 4.778 ha of forest land Mewat Division 1.99 ha. & Palwal Division 2.788 ha regarded Laying DI Pipe line 900 MID Drinking Water Pipe line from Punhana to Mustfabad via siha Agra Canal- Ghasera for 80 No. Village and Firozpur Zirka Town in Nuh District.
Online proposal No. FP/HR/Others/36822/2018

File No. : FP/HR/Water/36822/2018
Date of Proposal: 14.11.2018

CHECK LIST SERIAL NUMBER:-18
(Revised) "CA SCHEME"

Name of the Forest/Reach to be : Diversion of 4.778 ha of forest land Mewat Division 1.99 ha. & Palwal Division 2.788 ha regarded Laying DI Pipe line 900 MID Drinking Water Pipe line from Punhana to Mustfabad via siha Agra Canal- Ghasera for 80 No. Village and Firozpur Zirka Town in Nuh District.

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

Division: -Nuh District -Nuh

Tehsil Tauru, Punhana Range Nuh, Punhana.

C.A. Site name : Kharak Sohna Sec 4&5 (4 ha.)

GPS Reading :-

(1) N 28.29218 E 77.012399
N 28.290952 E 77.009028
N 28.290924 E 77.012065
N 28.28982 E 77.009397
N 28.289668 E 77.012702
N 28.288231 E 77.010387
N 28.288328 E 77.013334
N 28.287555 E 77.014342
N 28.285932 E 77.011721

(2) Pinagwan Sec. 4&5 (4.08ha.)
N 27° 53' 53.629 E 77° 5' 7.723
N 27° 53' 51.111 E 77° 5' 13.964
N 27° 53' 43.501 E 77° 5' 5.672
N 27° 53' 40.475 E 77° 5' 9.058

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 Tall Plants**. At 5m X 4m spacing and **250 plants per Hec.** at the wages rate approved 2018-19 at Rs326.82/- as per wage plants as under:-

Sr. No.	Year	Rate per plant
1	1 st Year Plantation	359.10/- Per Plant
2	2 nd Year Maintenance	115.35/- Per Plant
3	3 rd Year Maintenance	41.89/- Per Plant
4	4 th Year Maintenance	15.58/- Per Plant
5	5th Year Maintenance	15.58/- Per Plant
6	6th Year Maintenance	15.58/- Per Plant
7	7th Year Maintenance	15.58/- Per Plant
8	8th Year Maintenance	15.58/- Per Plant
9	9th Year Maintenance	15.58/- Per Plant
10	10th Year Maintenance	15.58/- Per Plant
	Total Cost.	625.40/-

Area to be Diverted = **1.99 ha.**

No. of trees to be felled= **619**

Plants to be damaged= **2050**

Plants to be planted= **3980 No.**

Area to be planted = Two time of the area to be diverted= **1.99x2=3.98 ha.**

Plants to be Planted = **3980 (@ 1000 plant per ha.)**

Additional C.A in lieu of plants to be damaged (Double) the plants to be damaged) **4100**

S. No.	Description	Total Area	Rate	Total Amount (Rs.)
A	Compensatory Afforestation Charges	No. of plants		
1	1st Year Plantation	3980	359.10/- Per Plant	1429218
2	2nd Year Plantation	3980	115.35/- Per Plant	459093
3	3rd Year Plantation	3980	41.89/- Per Plant	166722
4	4th Year Plantation	3980	15.58/- Per Plant	62008.40
5	5th Year Plantation	3980	15.58/- Per Plant	62008.40
6	6th Year Plantation	3980	15.58/- Per Plant	62008.40
7	7th Year Plantation	3980	15.58/- Per Plant	62008.40
8	8th Year Plantation	3980	15.58/- Per Plant	62008.40
9	9th Year Plantation	3980	15.58/- Per Plant	62008.40
10	10th Year Plantation	3980	15.58/- Per Plant	62008.40
11	Barbed Wire Fencing Charge	15.92 RKM	Rs. 200000 per km.	3184000
	Total Charges)			5673092
	Supervisory/Overhead/Miscellaneous Charges		10% On the CA Charges	567309
	Total (A) C.A Charges			6240401

Additional Compensatory Afforestation Charges				
B	Compensatory Afforestation Charges	No. of Plants		
1	1st Year Plantation	4100	359.10/- Per Plant	1472310
2	2nd Year Plantation	4100	115.35/- Per Plant	472935
3	3rd Year Plantation	4100	41.89/- Per Plant	171749
4	4th Year Plantation	4100	15.58/- Per Plant	63878
5	5th Year Plantation	4100	15.58/- Per Plant	63878
6	6th Year Plantation	4100	15.58/- Per Plant	63878
7	7th Year Plantation	4100	15.58/- Per Plant	63878
8	8th Year Plantation	4100	15.58/- Per Plant	63878
9	9th Year Plantation	4100	15.58/- Per Plant	63878
10	10th Year Plantation	4100	15.58/- Per Plant	63878
11	Barbed Wire Fencing Charge=	16.4 RKM	Rs. 200000 per km.	3280000
	Total (B) Addl. C.A Charges			5844140
C	Catchment Area Treatment (if required)			
	Soil and Moisture Conservation Charges		30% of the Total C.A	3625362
D	Safety Zone (if required)			0
E	Additional Charges (if required)			0
F	Net Present Value of Forest Land to be diverted		Rs. 887000/- per ha.	1765130
G	Felling Charges = M ³	107.99 M3	Rs.1200/- per m3	129588
H	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G)			528138
GRANT TOTAL				18132759


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 × 5 meter
- Species:- Ronj (Acacia leucophloea), Khairi (Prosopis cineraria), Pahari Papri (Holoptelea integrifolia), Neem (Azadirachta indica)
- Plantation Method :- Tall 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 :


Divisional Forest Officer
Mewat Forest Division
Mewat-Nuh

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