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Full Title of the Project :- Diversion of 2.788 ha .of forest land for laying DI pipe 900 mm I/d alongwith Hathin Distributery, Kot Bahin Minor, Gaunchi Drain, Siha Minor, along with Agra Canal, Bata Escape & village Bhawana to Mustfabad, under Forest Division & District Palwal, Haryana.

File No. : FP/HR/Water/36822/2018

Date of Proposal:

CHECK LIST SERIAL NUMBER:-18
"CA SCHEME"

Name of the Forest/Reach to be : Diversion of 2.788 ha .of forest land for laying DI pipe 900 mm I/d alongwith Hathin Distributery, Kot Bahin Minor, Gaunchi Drain, Siha Minor, along with Agra Canal, Bata Escape & village Bhawana to Mustfabad, under Forest Division & District Palwal, Haryana.

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 5.576 ha.

Nangal Mubarikpur Sec 4&5

N 27.904806 E 76.956827

N 27.90482 E 76.959393

N 27.907649 E 76.958778

N 27.908218 E 76.956166

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 = 2.788 ha.

No. of trees to be felled= Nil

Plants to be damaged= Nil

Plants to be planted= 5576 No.

Area to be planted = Two time of the area to be diverted= 2.788x2=5.576 ha.

Plants to be Planted = 5576 (@ 1000 plant per ha.)

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

S. No.	Description	Total Area	Rate	Total Amount (Rs.)
A	Compensatory Afforestation Charges	No. of plants		
1	1st Year Plantation	5576	359.10/- Per Plant	2002341.6
2	2nd Year Plantation	5576	115.35/- Per Plant	643191.6
3	3rd Year Plantation	5576	41.89/- Per Plant	233578.64
4	4th Year Plantation	5576	15.58/- Per Plant	86874.08
5	5th Year Plantation	5576	15.58/- Per Plant	86874.08
6	6th Year Plantation	5576	15.58/- Per Plant	86874.08
7	7th Year Plantation	5576	15.58/- Per Plant	86874.08
8	8th Year Plantation	5576	15.58/- Per Plant	86874.08
9	9th Year Plantation	5576	15.58/- Per Plant	86874.08
10	10th Year Plantation	5576	15.58/- Per Plant	86874.08
11	Barbed Wire Fencing Charge	22.30 RKM	Rs. 160000 per km.	3568000
	Total Charges)			7055230

	Supervisory/Overhead/Miscellaneous Charges		10% On the C.A Charges	705523
	Total (A) C.A Charges			7760753
	Additional Compensatory Afforestation Charges			
B	Compensatory Afforestation Charges	No. of Plants		
1	1st Year Plantation	0	359.10/- Per Plant	0
2	2nd Year Plantation	0	115.35/- Per Plant	0
3	3rd Year Plantation	0	41.89/- Per Plant	0
4	4th Year Plantation	0	15.58/- Per Plant	0
5	5th Year Plantation	0	15.58/- Per Plant	0
6	6th Year Plantation	0	15.58/- Per Plant	0
7	7th Year Plantation	0	15.58/- Per Plant	0
8	8th Year Plantation	0	15.58/- Per Plant	0
9	9th Year Plantation	0	15.58/- Per Plant	0
10	10th Year Plantation	0	15.58/- Per Plant	0
11	Barbed Wire Fencing Charge=	0 RKM	Rs. 160000 per km.	
	Total (B) Addl. C.A Charges			0
C	Catchment Area Treatment (if required)			
	Soil and Moisture Conservation Charges		30% of the Total C.A	2328226
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.	2472956
G	Felling Charges = M ³	0 M3	Rs. 1200/- per m ³	0
H	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G)			376858
	GRANT TOTAL			12938793

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 x 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:

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

Divisional Forest Officer
Main Forest Office
Muzaffargarh