

Full Title of the Project: Request for verification and approval of requirement of 0.083 Ha of forest land for the development of (100 Kw) Chandimandir –III Mini Hydro Project Jhajra Kaushlya and Ghaggar River.

File No. : FP/HR/HYD/19010/2016

Date of Proposal: 18 April 2016

CHECK LIST SERIAL NUMBER: - 18
“SCHEME FOR COMPENSATORY AFFORESTATION”

Detail scheme for Compensatory Afforestation in lieu of proposal for **Diversion of 0.083 Ha of forest land for the development of (100 Kw) Chandimandir –III Mini Hydro Project Jhajra Kaushlya and Ghaggar River under Panchkula Forest Division.**

1. **Details of degraded forest land/non-forest land: -**
District: -**Panchkula** Tehsil: Panchkula
Forest Division: - **Territorial Division Pinjore** Range: **Panchkula**
Block/Compt/Survey No.: -H43K14
Area to be Afforested:- 0.083 Ha
GPS Reading : **N30°43'59.2" E76°56'8.8"**
2. **Description of the Area:-**
- Whether the site selected for Compensatory Afforestation is a land bank (Yes or No):- **the site selected for Compensatory Afforestation is not a land bank.**
 - If the CA site is other than the land bank, reasons are given:-**There is no land bank in District Panchkula. Plantation will be carried out in Mirapur Bakshiwala Protected Forest.**
 - In case of Non-Forest area identified for CA, then what is the distance of CA site from adjoining forest boundary: - **With in Forest**
 - d) Soil type: - **Arid brown soil with texture varies from sandy loam to clay.**
 - Topography:-
 - a. Hilly/Undulating/Plain **Undulating**
 - b. Slope: - Steep/Medium/Gentle **Gentle**
 - f) Whether the area is bearing any root stock of vegetation:- **No**
3. **Plantation Model:-**
Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under:
4. **Schedule of Plantation Programme:-**
Detail of year wise break-up of requirements of funds is as under:-
The Plantation is calculated for **Tall Plants** norms at **4m X 4m** spacing and it is approved by the PCCF, Haryana's letter No. Misc-45/4495-4556 dated 25-03-2014 and at the wages rate of Rs.213.35/- per day as under:-

Sr. No.	Year	Cost norm per plant
1	1 st Year Plantation	172/-
2	2 nd Year Maintenance	64/-
3	3 rd Year Maintenance	32/-
4	4 th Year Maintenance	25/-
5	5 th Year Maintenance	26/-
6	6 th Year Maintenance	15/-
7	7 th Year Maintenance	8/-
8	8 th Year Maintenance	9/-
9	9 th Year Maintenance	10/-
10	10 th Year Maintenance	11/-
	Total Cost.	298/-

Area to be diverted (In Ha) :
No of trees to be felled :-
Plants to be damaged:-
Area to be Planted (Double the area to be divered)
No of Plants to be planted (@1000 Plants Per Ha)
Additional CA in lieu of plants to be damaged (Double the plants to be damaged)=

0.083
1000/-Ha
0
0.083 x 10 =
830

0.83

		Additional CA		830
Sr.No.	Description	No of Plants	Rate	Total Amount (Rs-P)
A	Compensatory Afforestation Charges			
	1) 1st Year cost of afforestation	830	Rs 172/- Per Plant	142760.00
	2) 2nd Year Maintenance	830	Rs 64/- Per Plants	53120.00
	3) 3rd Year Maintenance	830	Rs 32/- Per Plants	26560.00
	4) 4th Year Maintenance	830	Rs 25/- Per Plants	20750.00
	5) 5th Year Maintenance	830	Rs 26/- Per Plants	21580.00
	6) 6th Year Maintenance	830	Rs 15/- Per Plants	12450.00
	7) 7th Year Maintenance	830	Rs 8/- Per Plants	6640.00
	8) 8th Year Maintenance	830	Rs 9/- Per Plants	7470.00
	9) 9th Year Maintenance	830	Rs 10/- Per Plants	8300.00
	10) 10th Year Maintenance	830	Rs 11/- Per Plants	9130.00
	11) Barbed wire fencing charges(RKM)	3.3200	Rs 76700/- Per RKM	254644.00
	Total Compensatory Afforestation Charges			563404.00
	Supervisory / Overhead / Misc Charges		10% on CA Total	56340.40
	Sub Total (A) Compensatory Afforestation			619744.40
B	Additional Compensatory Afforestation Charges			
	1) 1st Year cost of afforestation	830	Rs 172/- Per Plant	142760.00
	2) 2nd Year Maintenance	830	Rs 64/- Per Plants	53120.00
	3) 3rd Year Maintenance	830	Rs 32/- Per Plants	26560.00
	4) 4th Year Maintenance	830	Rs 25/- Per Plants	20750.00
	5) 5th Year Maintenance	830	Rs 26/- Per Plants	21580.00
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	10) 10th Year Maintenance	830	Rs 11/- Per Plants	9130.00
	11) Barbed wire fencing charges(RKM)	3.3200	Rs 76700/- Per RKM	254644.00
	Sub Total (B) Compensatory Afforestation			563404.00
C	Panel C.A.			0.00
	Sub Total (C) Panel C.A.			0.00
D	Catchment Area Treatment			
	Soil and Moisture Conservation Charges		30% of the CA	185923.32
	Sub Total (D) Panel C.A.			185923.32

E	Safety Zone		0.00
	Sub Total (E) Safety Zone		0.00
F	Additional Charges		
	Net Present Value of Forest land to be diverted	Rs 887000/- Per Ha	73621.00
	Felling Charges =-	Rs 1000/- Per M3	0.00
	Plantation Damage Charges = 0 Plants	Rs 236/- Per Plants	0.00
	Sub Total (F) Additional Charges		73621.00

	Grand Total (A to F)		1442693
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Rs. Fourteen lac forty two thousand six hundred & ninty three only

2 Technical Details:

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Detail : Plantation will be done with 3 strand barbed wire in reserved / Protected forest
- b) Spacement : 4x2.50 meter
- c) Species :- Neem, Papri, Shisham etc
- d) Plantation Method: Pit Plantation
- e) Soil and Moisture Conservator Works : Nil
- f) Protection (Fencing, Watch man, People Participation etc) : Fencing
- g) Proposed Monitoring Mechanism (M&E)
- h) Any other information : Nil

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


Divisional Forest Officer
Morni Forest Division
Pinjore - Haryana