

Full Title of the Project: Diversion of 2.24 Ha. (1.47) Ha. in Faridabad Divn, 0.55 Ha. In Palwal Divn., and 0.22 Ha. in Mewat Divn.) of forest land for "Construction of 6 Lane access controlled Highway from junction Jaitpur-Pushta Road to junction Sec- 62/65 road on Faridabad-Ballabhgarh Bypass of NH-148NA (Design Ch 9.00 to 33.00) including spur from Design Ch 13.200 to junction with NH-19 near Badarpur Border- PKG-II and from junction with sec-62/65 dividing road on Faridabad-Ballabhgarh Bypass to junction near KMP Expressway with NH-148N Delhi-Vadodara Expressway section of NH-148NA (Design Ch 33.00 to 59.063)-PKG-III in State of Haryana under Bharatmala Pariyojana (Lot-4/package-1")

File No. : FP/HR/ROAD/39758/2020
Date of Proposal: 26.02.2020

CHECK LIST SERIAL NUMBER:-18 **"CA SCHEME"**

Name of the Forest/Reach to be : Diversion of 0.22 Ha. in Mewat Divn.) of forest land for "Construction of 6 Lane access controlled Highway from junction Jaitpur-Pushta Road to junction Sec- 62/65 road on Faridabad-Ballabhgarh Bypass of NH-148NA (Design Ch 9.00 to 33.00) including spur from Design Ch 13.200 to junction with NH-19 near Badarpur Border- PKG-II and from junction with sec-62/65 dividing road on Faridabad-Ballabhgarh Bypass to junction near KMP Expressway with NH-148N Delhi-Vadodara Expressway section of NH-148NA (Design Ch 33.00 to 59.063)-PKG-III in State of Haryana under Bharatmala Pariyojana.

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

Division: -Nuh District -Nuh

Tehsil Nuh Range Nuh

C.A. Site name : **Chila Sec. 4&5**

GPS Reading :- C.A= 0.450 ha.

Chila Sec. 4&5

N 28° 10'22.73" E 76°59'34.37"

N 28° 10'23.24" E 76°59'22.26"

N 28° 10'23.22" E 76°59'34.40"

N 28° 10'22.73" E 76°59'34.37"

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 Small Plants**. At $4 \times 2\frac{1}{2}$ meter spacing and **1000 plants per Hec.** at the wages rate approved 2020-21 at Rs 347.08/- as per wage plants as under:- (inclusion with 10% per year future maintenance cost norms)

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 = 0.22 ha.

No. of trees to be felled= 10 No.

Plants to be damaged= Nil

Plants to be planted= 450 No.

Area to be planted = Two time of the area to be diverted= $0.22 \times 2 = 0.44$ ha.

Plants to be Planted = $440 + 10 = 450$ (@ 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	450	395/- Per Plant	177750
2	2nd Year Plantation	450	138/- Per Plant	62100
3	3rd Year Plantation	450	55/- Per Plant	24750
4	4th Year Plantation	450	22/- Per Plant	9900
5	5th Year Plantation	450	24/- Per Plant	10800
6	6th Year Plantation	450	26/- Per Plant	11700
7	7th Year Plantation	450	27/- Per Plant	12150
8	8th Year Plantation	450	28/- Per Plant	12600
9	9th Year Plantation	450	30/- Per Plant	13500
10	10th Year Plantation	450	32/- Per Plant	14400
11	Barbed Wire Fencing Charge	1.8 RKM	Rs. 200000 per Rkm.	360000
	Total Charges)			709650
	Supervisory/Overhead/Miscellaneous Charges		10% On the CA Charges	70965
	Total (A) C.A Charges			780615

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Additional Compensatory Afforestation Charges			
B	Compensatory Afforestation Charges	No. of Plants	
1	1st Year Plantation		395/- Per Plant
2	2nd Year Plantation		138/- Per Plant
3	3rd Year Plantation		55/- Per Plant
4	4th Year Plantation		22/- Per Plant
5	5th Year Plantation		24/- Per Plant
6	6th Year Plantation		26/- Per Plant
7	7th Year Plantation		27/- Per Plant
8	8th Year Plantation		28/- Per Plant
9	9th Year Plantation		30/- Per Plant
10	10th Year Plantation		32/- Per Plant
11	Barbed Wire Fencing Charge=	0.0 RKM	Rs. 200000 per km.
	Total (B) Addl. C.A Charges		0
C	Catchment Area Treatment (if required)		
	Digging of Pit cum Trenches 450x2.0x0.45x0.45=182.25	182.25 cum	143.31 per cum.
	Soil and Moisture Conservation Charges		30% of the Total C.A
D	Safety Zone (if required)		234184
E	Additional Charges (if required)		0
F	Net Present Value of Forest Land to be diverted		Rs. 887000/- per ha.
G	Felling Charges = M ³	3.68 M3	Rs.1200/- per m3
H	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G)		4416
	GRANT TOTAL		37184
			1276657

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacing:- $4 \times 2\frac{1}{2}$ meter
- Species:- Ronj (Vachellia leucophloea) Kheri (Prosopis Cineraria)
Pahari Papri (Holoptelea integrifolia) 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 :

Divisional Forest Officer
Mewat-Nuh

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