

Full Title of the Project:

Improvement of functions of Km 14.250 and Km 16.720 on NH 21A (New NH 105) in the State of Haryana for cutting of trees (Deforestation)

File No. :**FP/HR/Road/19257/2016****Category of Proposal****Road,****Area : 0.637 Ha****Date of Proposal:****05/05/2016**

CHECK LIST SERIAL NUMBER: - 18
"SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation in lieu of proposal for Improvement of functions of Km 14.250 and Km 16.720 on NH 21A (New NH 105) in the State of Haryana for cutting of trees (Deforestation)

1. Details of degraded forest land/non-forest land:-

District: -Panchkula

Forest Division: -Morni Pinjore Territorial Division Pinjore

Block/Compt/Survey No.:H43K13

Area to be Afforested:- 0.637 Ha

GPS Reading : N30°52'9.22" E 76°47'5.56"

Tehsil: Panchkula

Range: Kalka

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
 - b. Slope: - Steep/Medium/Gentle

Undulating

Gentle

No

f) Whether the area is bearing any root stock of vegetation:-

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.	372/-

Area to be diverted (In Ha) :	0.637	
No of trees to be felled :-	1000/-Ha	
Plants to be damaged:-	0	
Area to be Planted (Double the area to be diverted)	0.637 x 2 =	1.274
No of Plants to be planted (@1000 Plants Per Ha)	1274	
Additional CA in lieu of plants to be damaged (Double the plants to be damaged)=		

Additional CA **1274**

Sr.No.	Description	No of Plants	Rate	Total Amount (Rs-P)
A	Compensatory Afforestation Charges			
1)	1st Year cost of afforestation	1274	Rs 172/- Per Plant	219128.00
2)	2nd Year Maintenance	1274	Rs 64/- Per Plants	81536.00
3)	3rd Year Maintenance	1274	Rs 32/- Per Plants	40768.00
4)	4th Year Maintenance	1274	Rs 25/- Per Plants	31850.00
5)	5th Year Maintenance	1274	Rs 26/- Per Plants	33124.00
6)	6th Year Maintenance	1274	Rs 15/- Per Plants	19110.00
7)	7th Year Maintenance	1274	Rs 8/- Per Plants	10192.00
8)	8th Year Maintenance	1274	Rs 9/- Per Plants	11466.00
9)	9th Year Maintenance	1274	Rs 10/- Per Plants	12740.00
10)	10th Year Maintenance	1274	Rs 11/- Per Plants	14014.00
11)	Barbed wire fencing charges(RKM)	5.0960	Rs 76700/- Per RKM	390863.20
Total Compensatory Afforestation Charges				864791.20
Supervisory / Overhead / Misc Charges		10% on CA Total		86479.12
Sub Total (A) Compensatory Afforestation				951270.32
B	Additional Compensatory Afforestation Charges			
1)	1st Year cost of afforestation	1274	Rs 172/- Per Plant	219128.00
2)	2nd Year Maintenance	1274	Rs 64/- Per Plants	81536.00
3)	3rd Year Maintenance	1274	Rs 32/- Per Plants	40768.00
4)	4th Year Maintenance	1274	Rs 25/- Per Plants	31850.00
5)	5th Year Maintenance	1274	Rs 26/- Per Plants	33124.00
6)	6th Year Maintenance	1274	Rs 15/- Per Plants	19110.00
7)	7th Year Maintenance	1274	Rs 8/- Per Plants	10192.00
8)	8th Year Maintenance	1274	Rs 9/- Per Plants	11466.00
9)	9th Year Maintenance	1274	Rs 10/- Per Plants	12740.00
10)	10th Year Maintenance	1274	Rs 11/- Per Plants	14014.00
11)	Barbed wire fencing charges(RKM)	5.0960	Rs 76700/- Per RKM	390863.20
Sub Total (B) Compensatory Afforestation				864791.20
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		259437.36
Sub Total (D) Panel C.A.				259437.36

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	27408.30
	Felling Charges =	Rs 1000/- Per M3	0.00
	Plantation Damage Charges = 0 Plants	Rs 236/- Per Plants	0.00
	Sub Total (F) Additonal Charges		27408.30

Grand Total (A to F)	2102907
Rs. Twenty one lac two thousand nine hundred & seven 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.	

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