

Full Title of the Project: Diversion of 1.85 ha. forest land for Improvement by Strengthening of Alawalpur-Mohna Road Km 0.00 to 16.70 ID (3570 & 3602) under forest Division and District Palwal, Haryana.

File No. : FP/HR/ROAD/17387/2016

Date of Proposal: _____

CHECK LIST SERIAL NUMBER: 18

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 1.85 ha. of forest area to be diverted for **Improvement by Strengthening of Alawalpur-Mohna Road Km 0.00 to 16.70 ID (3570 & 3602) under forest division and district Palwal, Haryana.**

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

District : **Palwal**

Village : **Palwal**

Tehsil : **Palwal**

Name of Forest Division **Palwal** Range **Palwal**

Block/Compartment/Survey No. **Palwal PF**

Area to be afforested **20.6 RKM, 5150 plants.**

2. Description of the Area

I) Whether the site selected for Compensatory Afforestation is a land bank or not : **No the site selected for compensatory afforestation is not a land bank.**

II) If the CA site is other than the land bank, reasons be given : **There is no land bank in Palwal district. Plantation will be done in Palwal PF.**

III) In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary ? **CA will be carried out in Palwal PF**

IV) Soil type : **Normal**

V) Topography :

(a) Hilly/Undulating/Plain - **Plain**

(b) Slope: Steep/Medium/Gentle - **Gentle**

VI) Whether the area is bearing any root stock of vegetation : **NA.**

3. Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component - wise physical and financial break up to be enclosed

4. Schedule of Plantation Programme :-

Details of year-wise break up of requirements of funds is as under :-

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The plantation cost is calculated for tall plantation Norms at 4mx4m spacing and 250 plants per RKM and it is approved by Labour Commissioner, Haryana vide his letter No 6216-6331 dated 13.02.2016, at the wage rate of Rs 292.31 per day as under :-

Sr No	Year	Total Amount (Rs)
1.	1 st Year cost of afforestation	Rs 172/- per plant
2.	2 nd Year Maintenance	Rs 64/- per plant
3.	3 rd Year Maintenance	Rs 32/- per plant
4.	4 th Year Maintenance	Rs 25/- per plant
5.	5 th Year Maintenance	Rs 26/- per plant
6.	6 th Year Maintenance	Rs 15/- per plant
7.	7 th Year Maintenance	Rs 08/- per plant
8.	8 th Year Maintenance	Rs 09/- per plant
9.	9 th Year Maintenance	Rs 10/- per plant
10.	10 th Year Maintenance	Rs 11/- per plant
	Total	Rs 372/- per plant

Area to be diverted : **1.85 ha**

Area to be planted (One, **Two**, Ten) times the diverted area : **3700 plants**

No of Trees felled : **145 Nos**

No of plants to be damaged : **26 Nos T.P.**

No of plants to be planted (@ 1000 plants per ha) : **3700 plants**

Additional CA in lieu of trees to be damaged (**Ten time the trees to be damaged**) = $145 \times 10 = 1450$

Sr No	Description	Rate	Total Amount (Rs)
(A)	Net Present Value of Forest land to be diverted 1.85ha	Rs 8.87 Lacs/ Ha	1640950.00
(B)	Compoensatory Afforestation Charge	No of plants	
	(i) 1st year Cost of Afforestation	3700	Rs 172/- per plant 636400.00
	(ii) 2nd year Maintenance	3700	Rs 64/- per plant 236800.00
	(iii) 3rd year Maintenance	3700	Rs 32/- per plant 118400.00
	(iv) 4th year Maintenance	3700	Rs 25/- per plant 92500.00
	(v) 5th year Maintenance	3700	Rs 26/- per plant 96200.00
	(vi) 6th year Maintenance	3700	Rs 15/- per plant 55500.00
	(vii) 7th year Maintenance	3700	Rs 08/- per plant 29600.00
	(viii) 8th year Maintenance	3700	Rs 09/- per plant 33300.00
	(ix) 9th year Maintenance	3700	Rs 10/- per plant 37000.00
	(x) 10th year Maintenance	3700	Rs 11/- per plant 40700.00
	(xi) Barbed wire fencing charges	14.8 RKM	Rs 76700/- per RKM 1135160.00
	Total CA charge (B above)		2511560.00
(C)	Supervisory/Overhead/Miscellaneous charges	10% of the total CA charges	251156.00
	Sub Total (B) CA Charges.		2762716.00
(D)	Additional Compensatory Afforestation Charges		
	(i) 1st year Cost of Afforestation	1450	Rs 172/- per plant 249400.00
	(ii) 2nd year Maintenance	1450	Rs 64/- per plant 92800.00
	(iii) 3rd year Maintenance	1450	Rs 32/- per plant 46400.00
	(iv) 4th year Maintenance	1450	Rs 25/- per plant 36250.00
	(v) 5th year Maintenance	1450	Rs 26/- per plant 37700.00
	(vi) 6th year Maintenance	1450	Rs 15/- per plant 21750.00
	(vii) 7th year Maintenance	1450	Rs 08/- per plant 11600.00
	(viii) 8th year Maintenance	1450	Rs 09/- per plant 13050.00
	(ix) 9th year Maintenance	1450	Rs 10/- per plant 14500.00
	(x) 10th year Maintenance	1450	Rs 11/- per plant 15950.00
	(xi) Barbed wire fencing charges	5.8 RKM	Rs 76700/- per RKM 444860.00
	Sub Total (D) Addl. CA charge		984260.00
(E)	Felling Charges		
	Volume = 142.43m ³	Rs 1000/- per m3	142430.00
(F)	Plantation damage charges	26 Nos.	Rs 236/- per plant 6136.00
	Total (1+2) (to be deposited in Haryana Govt Revenue Account)		148566.00
(G)	Any other charge (if necessary) Tree Guard Charges	5150 Nos.	1500/- per Tree Guard 7725000.00
	GRAND TOTAL (A+B+C+D+E+F+G) to be deposited in CAMPA Fund		13261492.00

3. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details : Plantation will be done with 3 strand barbed wire in Reserved/Protected Forests.
- Spacement : 4 x 4 meter, T.P. Planting species
- Species : Neem, Bakain, Papri etc.
- Plantation Method : Tall Plantation
- Soil and Moisture Conservation Works : **NIL**
- Protection (Fencing, Watch man, People's Participation etc.): Fencing
- Proposed Monitoring Mechanism : M&E, Hissar Division
- Any other information : -----

Divisional Forest Officer
Divisional Forests Officer
Palwal Forest Division