

**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 **15.008 RKM, 3752 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**
- VI) Soil type : **Normal**
- VII) Topography :
- |     |                            |   |               |
|-----|----------------------------|---|---------------|
| (a) | Hilly/Undulating/Plain     | - | <b>Plain</b>  |
| (b) | Slope: Steep/Medium/Gentle | - | <b>Gentle</b> |
- 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 :-

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

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 plants to be damaged (**Two time the plants to be damaged**) =  $26 \times 2 = 52$

| Sr No | Description                                                      | Rate                        | Total Amount (Rs)                          |
|-------|------------------------------------------------------------------|-----------------------------|--------------------------------------------|
| (A)   | Net Present Value of Forest land to be diverted 1.85ha           | Rs 8.87 Lacs/ Ha            | <b>1640950.00</b>                          |
| (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)                                        |                             | <b>2511560.00</b>                          |
| (C)   | Supervisory/Overhead/Miscellaneous charges                       | 10% of the total CA charges | 251156.00                                  |
|       | <b>Sub Total (B) CA Charges.</b>                                 |                             | <b>2762716.00</b>                          |
| (D)   | <b>Additional Compensatory Afforestation Charges</b>             |                             |                                            |
|       | (i) 1st year Cost of Afforestation                               | 52                          | Rs 172/- per plant 8944.00                 |
|       | (ii) 2nd year Maintenance                                        | 52                          | Rs 64/- per plant 3328.00                  |
|       | (iii) 3rd year Maintenance                                       | 52                          | Rs 32/- per plant 1664.00                  |
|       | (iv) 4th year Maintenance                                        | 52                          | Rs 25/- per plant 1300.00                  |
|       | (v) 5th year Maintenance                                         | 52                          | Rs 26/- per plant 1352.00                  |
|       | (vi) 6th year Maintenance                                        | 52                          | Rs 15/- per plant 780.00                   |
|       | (vii) 7th year Maintenance                                       | 52                          | Rs 08/- per plant 416.00                   |
|       | (viii) 8th year Maintenance                                      | 52                          | Rs 09/- per plant 468.00                   |
|       | (ix) 9th year Maintenance                                        | 52                          | Rs 10/- per plant 520.00                   |
|       | (x) 10th year Maintenance                                        | 52                          | Rs 11/- per plant 572.00                   |
|       | (xi) Barbed wire fencing charges                                 | 0.208                       | Rs 76700/- per RKM 15954.00                |
|       | <b>Sub Total (D) Addl. CA charge</b>                             |                             | <b>35298.00</b>                            |
| (E)   | <b>Felling Charges</b>                                           |                             |                                            |
|       | Volume = 142.43m <sup>3</sup>                                    | 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)    |                             | <b>148566.00</b>                           |
| (G)   | Any other charge (if necessary) <b>Tree Guard Charges</b>        | 3752 Nos.                   | Rs 1500/- per Tree Guard <b>5628000.00</b> |
|       | <b>GRAND TOTAL (A+B+C+D+E+F+G) to be deposited in CAMPA Fund</b> |                             | <b>10215530.00</b>                         |

3. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

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

Divisional Forests Officer  
Palwal Forest Division