

**Full Title of the Project:** Diversion of 0.946 Hac. of forest land for the work of Construction of four lane ROB at Gurgaon LC No.23-A in Km. 28/4 of Delhi Rewari Jaipur line crossing Palam Vihar Bajghera road under forest Division and distt. Gurgaon. 75

**File No. :**

**FP/HR/ROAD/17825/2016**

**Date of Proposal:**

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

Detail scheme for Compensatory Afforestation in lieu of proposal for diversion of 0.946Hec. of forest land for the work of Construction of four lane ROB at Gurgaon LC No.23-A in Km. 28/4 of Delhi Rewari Jaipur line crossing Palam Vihar Bajghera road under forest Division and distt. Gurgaon.

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

District: -Gurgaon Tehsil: Gurgaon  
Forest Division: - Gurgaon Range: Gurgaon  
Block/Compt/Survey No.: - Manesar Section 4 & 5 of PLPA 1900.  
Area to be Afforested:- 1892 Plants will be planted  
GPS Reading N 28 27 59.98 E 76 48 21.66 N 28 27 36.65 E 76 48 51.71  
N 28 27 38.78 E 76 48 19.62 N 28 27 43.20 E 76 48 34.32

**2. Description of the Area:-**

- a) 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.
- b) If the CA site is other than the land bank, reasons are given:-There is no land bank in District Gurgaon. Plantation will be carried out in Manesar Section 4 & 5 of PLPA 1900.
- c) In case of Non-Forest area identified for CA, then what is the distance of CA site from adjoining forest boundary: - CA will be carried out in Manesar Section 4 & 5 of PLPA 1900.
- d) Soil type: - Arid brown soil with texture varies from sandy loam to clay.
- e) Topography:

|    |                              |        |
|----|------------------------------|--------|
| a. | Hilly/Undulating/Plain       | Plain  |
| 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 Plantation as per Revitalization of Institutions for Aravalli. at 5m X 4m spacing and 500 plants per Hac. at the wages rate approved at Rs.292.31/- per day as under:-

| <b>Sr. No.</b> | <b>Year</b>                      | <b>Cost norm per plant</b> |
|----------------|----------------------------------|----------------------------|
| 1              | 1 <sup>st</sup> Year Plantation  | 171/- Per Plants           |
| 2              | 2 <sup>nd</sup> Year Maintenance | 52/- Per Plants            |
| 3              | 3 <sup>rd</sup> Year Maintenance | 44/- Per Plants            |
| 4              | 4 <sup>th</sup> Year Maintenance | 48/- Per Plants            |
| 5              | 5th Year Maintenance             | 62/- Per Plants            |
| 6              | 6th Year Maintenance             | 68/- Per Plants            |
| 7              | 7th Year Maintenance             | 75/- Per Plants            |

|    |                       |                 |
|----|-----------------------|-----------------|
| 8  | 8th Year Maintenance  | 48/- Per Plants |
| 9  | 9th Year Maintenance  | 44/- Per Plants |
| 10 | 10th Year Maintenance | 48/- Per Plants |
|    | <b>Total Cost.</b>    | <b>660/-</b>    |

**Area to be diverted: 0.946 Hec.**

Area to be planted (One/two/ten times the diverted area) = 1892 Plants. (5mx4m)

No. of trees to be felled= 30

No. of Plants to be damaged=Nil

Number of Plants to be planted (@ 1000 Plant per Hec.) = 1892 Plants

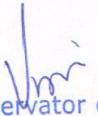
| S.No. | Description  | Total Area | Rate                         | Total Amount (Rs.) |
|-------|--|------------|------------------------------|--------------------|
| A     | Net Present Value of Forest Land to be diverted  | 0.946      | Rs. 8.87 Laes/Ha.            | 839102.00          |
| B     | Compensatory Afforestation Charges   |            | No. of Plants                |                    |
| 1     | 1st Year Plantation  | 1892       | 171/- Per Plant              | 323532.00          |
| 2     | 2nd Year Plantation  | 1892       | 52/- Per Plant               | 98384.00           |
| 3     | 3rd Year Plantation  | 1892       | 44/- Per Plant               | 83248.00           |
| 4     | 4th Year Plantation  | 1892       | 48/- Per Plant               | 90816.00           |
| 5     | 5th Year Plantation  | 1892       | 62/- Per Plant               | 117304.00          |
| 6     | 6th Year Plantation  | 1892       | 68/- Per Plant               | 128656.00          |
| 7     | 7th Year Plantation  | 1892       | 75/- Per Plant               | 141900.00          |
| 8     | 8th Year Plantation  | 1892       | 48/- Per Plant               | 90816.00           |
| 9     | 9th Year Plantation  | 1892       | 44/- Per Plant               | 83248.00           |
| 10    | 10th Year Plantation   | 1892       | 48/- Per Plant               | 90816.00           |
|       | <b>Total Plantation</b>  |            |                              | <b>1248720.00</b>  |
| C     | Supervisory/Overhead/Miscellaneous Charges   |            | 10% On the total CA Charges  | 124872.00          |
|       | As the Scheme is site Specific Barbed wire will not be charged.  |            |                              |                    |
| D     | Site Specific requirements for plantation Aravalli Hill's (area closed under Section 4&5 of PLPA 1900) |            |                              |                    |
| 1     | Peripheral Trenches 1M*1M*200 in the Aravalli Areas  |            |                              | 153840.00          |
| 2     | Loose Stone Wall 200x1.25x0.75   |            |                              | 574876.00          |
| 3     | Clearing of Mesquite stumps including pruning of Singled shoots in first year X 2                      |            |                              | 6708.00            |
| 4     | Kikar Sowing in Peripheral Trench  |            |                              | 51392.00           |
| 4 (a) | First Clearing and spacing of Kikar Sowing   |            |                              | 33872.00           |
| 4 (b) | Line Sowing of Kikar Seeds   |            |                              | 8468.00            |
|       | <b>Total Site Specific Requirement Charge ( D )</b>  |            |                              | <b>829156.00</b>   |
| E     | Felling Charges Volume=  | 11.65      | Rs.1200/- per m <sup>3</sup> | 13980.00           |
| F     | Plantation Damage Charges.=  | 0          | Rs. 600/-Plant               | 0.00               |
|       | <b>Total (E+F)</b>   |            |                              | <b>13980.00</b>    |
| G     | Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F )  |            |                              | 91675.00           |
|       | <b>GRAND TOTAL (A+B+C+D+E+F+G) TO BE DEPOSITED IN CAMPA FUND</b>                                       |            |                              | <b>3147505.00</b>  |

**5. Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Details: - **Plantation will be done in Manesar Section 4 & 5 of PLPA 1900**
- b) Spacing: - **5m X 4m Plantation**
- c) Species: - **Native Species of Aravalli.**
- d) Plantation Method: - **Trench Cum Pit Method**
- e) Soil and Moisture Conservation Works: - **No**
- f) Protection (Fencing, Watch man, People's Participation etc.): - **People Participation**
- g) Proposed Monitoring Mechanism: - **Checking of plantation works will be RFO, DCF, CF, and DCF (M&E)**
- h) Any other information: - **Nil**

Dated.....  
Place: - **Gurgaon**

  
**Dy. Conservator of Forest  
Gurgaon Forest Division  
GURGAON**