

**Full Title of the Project:** Diversion of 1.8239232 ha of forest land construction of Ring road from Tauru road to Alwar road via Engineering College Medical Collage and Navodaya School Bai (C.M Announcement 152.42) in Nuh-Mewat District.

File No. : FP/HR/Road/27251/2017  
Date of Proposal: 27.11.2017

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

Detail scheme for Compensatory Afforestation in lieu of proposal for the work of construction of Ring road from Tauru road to Alwar road via Engineering College Medical Collage and Navodaya School Bai (C.M Announcement 152.42) in Nuh-Mewat District.

1. **Details of degraded forest land/non-forest land: -**  
District: -Mewat Tehsil: Nuh  
Forest Division: - Nuh Range: Nuh  
Block/Compt/Survey No.: - CA will be done in Village Nuh to Nalhar Medical College four Laning Road in Nuh- Mewat forest division.  
Area to be afforested: 1824 Plants & 2258 Add. Plants will be planted

**GPS Reading:-**

| 1- L/Side   | R/Side      |                |
|-------------|-------------|----------------|
| N 28°5'33"  | N 28°5'34"  |                |
| E 77°0'9"   | E 77°0'9"   |                |
| N 28°5'33"  | N 28°5'34"  |                |
| E 77°0'5"   | E 77°0'5"   |                |
| N 28°5'33"  | N 28°5'34"  | (1.8239232 ha) |
| E 76°59'56" | E 76°59'58" |                |
| N 28°5'33"  | N 28°5'34"  |                |
| E 76°59'31" | E 76°59'31" |                |
| N 28°5'33"  | N 28°5'34"  |                |
| E 76°59'11" | E 76°59'11" |                |
| N 28°5'33"  | N 28°5'34"  |                |
| E 76°58'52" | E 76°58'52" |                |
| N 28°5'33"  | N 28°5'34"  |                |
| E 76°58'24" | E 76°58'24" |                |

2- Additional C.A. Site name : Bissar Akbarpur Sec 4&5 (2.258 Ha)

GPS Reading : N 28° 18' 42.87." E 76° 57' 23.17"  
N 28° 18' 42.07." E 76° 57' 31.61"  
N 28° 18' 34.67." E 76° 57' 19.13"  
N 28° 18' 33.62." E 76° 57' 26.92"

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 Mewat. Plantation will be carried in CA will be done in Village Nuh to Nalhar Medical College four Laning Road in Nuh- Mewat forest division.

- 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 in CA will be done in Village Nuh to Nalhar Medical College four Lining Road in Nuh- Mewat forest division.
- d) Soil type: - Arid brown soil with texture varies from sandy loam to clay.
- 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 Tall Plants. At 5m X 4m spacing and 250 plants per Hec. at the wages rate approved at Rs.318.46/- per day as under:

| Sr. No. | Year                             | Cost norm per plant |
|---------|----------------------------------|---------------------|
| 1       | 1 <sup>st</sup> Year Plantation  | 222/- Per Plant     |
| 2       | 2 <sup>nd</sup> Year Maintenance | 72/- Per Plant      |
| 3       | 3 <sup>rd</sup> Year Maintenance | 45/- Per Plant      |
| 4       | 4 <sup>th</sup> Year Maintenance | 35/- Per Plant      |
| 5       | 5th Year Maintenance             | 37/- Per Plant      |
| 6       | 6th Year Maintenance             | 20/- Per Plant      |
| 7       | 7th Year Maintenance             | 11/- Per Plant      |
| 8       | 8th Year Maintenance             | 12/- Per Plant      |
| 9       | 9th Year Maintenance             | 15/- Per Plant      |
| 10      | 10th Year Maintenance            | 13/- Per Plant      |
|         | <b>Total Cost.</b>               | <b>482 -/-</b>      |

Area to be Diverted = 1.8239232 ha.

No. of trees to be felled= 241

Plants to be damaged= 1129 No.

Plants to be planted= 1824

Area to be planted = One time of the area to be diverted= 1.8239232 ha.

Plants to be Planted = 1824 (@ 1000 plant per ha.)

Additional C.A in lieu of plants to be damaged (Double) the plants to be damaged) 2258 plants

| S. No.   | Description                               | Total Area    | Rate               | Total Amount (Rs.) |
|----------|---|---------------|--------------------|--------------------|
| <b>A</b> | <b>Compensatory Afforestation Charges</b> | No. of plants |                    |                    |
| 1        | 1st Year Plantation                       | 1824          | 222/- Per Plant    | 404928             |
| 2        | 2nd Year Plantation                       | 1824          | 72/- Per Plant     | 131328             |
| 3        | 3rd Year Plantation                       | 1824          | 45/- Per Plant     | 82080              |
| 4        | 4th Year Plantation                       | 1824          | 35/- Per Plant     | 63840              |
| 5        | 5th Year Plantation                       | 1824          | 37/- Per Plant     | 67488              |
| 6        | 6th Year Plantation                       | 1824          | 20/- Per Plant     | 36480              |
| 7        | 7th Year Plantation                       | 1824          | 11/- Per Plant     | 20064              |
| 8        | 8th Year Plantation                       | 1824          | 12/- Per Plant     | 21888              |
| 9        | 9th Year Plantation                       | 1824          | 15/- Per Plant     | 27360              |
| 10       | 10th Year Plantation                      | 1824          | 13/- Per Plant     | 23712              |
| 11       | Barbed Wire Fencing Charge                | 1.824 RKM     | Rs. 160000 per km. | 291840             |
|          | <b>Total Charges )</b>                    |               |                    | <b>1171008</b>     |



|           |   |                      |                             |                |
|-----------|---|----------------------|-----------------------------|----------------|
|           | Supervisory/Overhead/Miscellaneous Charges                        |                      | 10% On the CA Charges       | 117101         |
|           | <b>Total (A) C.A Charges</b>                                      |                      |                             | <b>1288109</b> |
|           | <b>Additional Compensatory Afforestation Charges</b>              |                      |                             |                |
| <b>B</b>  | <b>Compensatory Afforestation Charges</b>                         | <b>No. of Plants</b> |                             |                |
| <b>1</b>  | <b>1st Year Plantation</b>  | 2258                 | 222/- Per Plant             | 501276         |
| <b>2</b>  | <b>2nd Year Plantation</b>  | 2258                 | 72/- Per Plant              | 162576         |
| <b>3</b>  | <b>3rd Year Plantation</b>  | 2258                 | 45/- Per Plant              | 101610         |
| <b>4</b>  | <b>4th Year Plantation</b>  | 2258                 | 35/- Per Plant              | 79033          |
| <b>5</b>  | <b>5th Year Plantation</b>  | 2258                 | 37/- Per Plant              | 83546          |
| <b>6</b>  | <b>6th Year Plantation</b>  | 2258                 | 20/- Per Plant              | 45160          |
| <b>7</b>  | <b>7th Year Plantation</b>  | 2258                 | 11/- Per Plant              | 24838          |
| <b>8</b>  | <b>8th Year Plantation</b>  | 2258                 | 12/- Per Plant              | 27096          |
| <b>9</b>  | <b>9th Year Plantation</b>  | 2258                 | 15/- Per Plant              | 33870          |
| <b>10</b> | <b>10th Year Plantation</b>                                       | 2258                 | 13/- Per Plant              | 29354          |
| <b>11</b> | <b>Barbed Wire Fencing Charge= 2.258</b>                          | <b>15.83 RKM</b>     | <b>Rs. 160000 per km.</b>   | <b>361280</b>  |
|           | <b>Total (B) Addl. C.A Charges</b>                                |                      |                             | <b>1449636</b> |
| <b>C</b>  | <b>Catchment Area Treatment (if required)</b>                     |                      |                             |                |
|           | <b>Soil and Moisture Conservation Charges</b>                     |                      | <b>30% of the Total C.A</b> | <b>821323</b>  |
| <b>D</b>  | <b>Safety Zone (if required)</b>                                  |                      |                             |                |
| <b>E</b>  | <b>Additional Charges (if required)</b>                           |                      |                             | <b>0</b>       |
| <b>F</b>  | <b>Net Present Value of Forest Land to be diverted</b>            |                      | <b>Rs. 887000/- per ha.</b> | <b>1617820</b> |
| <b>G</b>  | <b>Felling Charges = 0M<sup>3</sup></b>                           |                      | <b>Rs.1200/- per m3</b>     | <b>35220</b>   |
| <b>H</b>  | <b>Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G+H)</b> |                      |                             | <b>156363</b>  |
|           | <b>GRANT TOTAL</b>  |                      |                             | <b>5368471</b> |

**5. Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:** - Plantation will be done in CA will be done in Village Nuh Nalhar to Medical College four Laning Road in Nuh- Mewat forest division.
- Spacing:** - 5m X 4m Plantation
- Species:** - Khairi (Prosopis cineraria), Ronj (Acacia leucophloea), Neem (Azadirachta indica, Pahari Papri (Holoptelea integrifolia), Kem (Mitragyna parvifolia), dhak (Butea monosperma), dhok (Anogeissus pendula), Bel (Aegel marmelos), Ber (Zizyphus spp.), Sisham, Kikar etc.
- Plantation Method:** - Tall Plant
- Soil and Moisture Conservation Works:** - Nil
- Protection (Fencing, Watch man, People's Participation etc.):** - Fencing
- Proposed Monitoring Mechanism:** - Checking of plantation works will be RFO, DF0, CF, and DCF, (M&E)
- Any other information:** Nil

Date.....

Place.....

**Divisional Forest Office**  
**NUH**  
 Mewat Forest Division  
 Nuh