

Title of the Project: Diversion of 3.646 hac. forest land in of Executive Engineer, Provincial Division No 1, PWD B&R
 Ar for 4 - Lanning of Hisar-Mangali-Sharwa Road from RD 0.00 to 2.730 (CM Announcement Code.18225) Southern
 periphery Road Hisar to City Limit, Under forest- Division & Distt. Hisar Haryana.
 P/HR/Road/51036/2020
 Date of Proposal: 28/10/2020

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

| | | | | | |
|--|---|--|--------------------------------|------------|------------|
| Name of the Forest/Reach to be diverted | | Full Title of the Project: Diversion of 3.646 hac. forest land in of Executive Engineer, Provincial Division No 1, PWD B&R Hisar for 4 - Lanning of Hisar-Mangali-Sharwa Road from RD 0.00 to 2.730 (CM Announcement Code.18225) Southern periphery Road Hisar to City Limit, Under forest- Division & Distt. Hisar Haryana. | | | |
| Forest Area (in Ha) | | 3.646 | | | |
| Details of de-graded forest land/non forest land where CA is to be carried out : | | CA site - Jakhal Hisar R/way Line RD 75-79 L&R A. Hilly/Undulating/Plain. | | | |
| Division / District: | Hisar | Range | Hisar | Village. | Hisar |
| 2). | Description of Area : | | | | |
| i | Whether the site selected for Compensatory Afforestation is a land bank or not | | | | Yes |
| ii | If the C.A site is other than the land bank, reasons be given | | | | N.A |
| iii | In case of non-forest area identified for CA, then what is the distance of CA site from adjoining forest boundary | | | | N.A |
| iv | Soil Type | | | Sandy Loam | |
| v | Topography : | | a. Hilly/Undulating/Plain. | | Undulating |
| | | | b. Slope:-Steep/Medium/Gentle. | | |
| vi | Whether the area is bearing any root stock of vegetation | | | | No |

3 Plantation of Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under :-

Detail of year wise breakup of requirement of funds is as under :-

The plantation cost is calculated for tall plants norms at 4 mtr. Plant to Plant spacing and it is approved by the PCCF, Haryana's letter no. CAMPA/118 dated 01-06-2020 at the wage rate of Rs. 363.77/- per day as under :-

| Year | Plant per Year |
|--|----------------|
| 1 st Year cost of afforestation | 419.00 |
| 2 nd Year maintenance | 92 |
| 3 rd Year maintenance | 55 |
| 4 th Year maintenance | 21 |
| 5 th Year maintenance | 21 |
| 6 th Year maintenance | 21 |
| 7 th Year maintenance | 21 |
| 8 th Year maintenance | 21 |
| 9 th Year maintenance | 21 |
| 10 th Year maintenance | 21 |
| Total | 713.00 |

| | | |
|--|-------|-------------------------------|
| To be Diverted = | 3.646 | |
| of trees to be felled- | 266 | |
| ants to be damaged= | 0 | |
| plants to be planted = | 7292 | |
| Area to be Planted (@ 1000 plant per ha.) = | 7.29 | Area in hac 3.464X2X1000=7292 |
| Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)0 | | |

| S.No | DESCRIPTION | | RATE Rs Per Plant | TOTAL AMOUNT (Rs.) |
|--|--|-----------------------|--|--------------------|
| A | Compensatory Afforestation Charges | | | |
| | | No. of Plants | | |
| | (1) 1 st Year cost of afforestation | 7292 | 419.00 | 3055348 |
| | (2) 2 nd Year maintenance | | 92 | 670864 |
| | (3) 3 rd Year maintenance | | 55 | 401060 |
| | (4) 4 th Year maintenance | | 21 | 153132 |
| | (5) 5 th Year maintenance | | 21 | 153132 |
| | (6) 6 th Year maintenance | | 21 | 153132 |
| | (7) 7 th Year maintenance | | 21 | 153132 |
| | (8) 8 th Year maintenance | | 21 | 153132 |
| | (9) 9 th Year maintenance | | 21 | 153132 |
| | (10) 10 th Year maintenance | | 21 | 153132 |
| | (11) Chain Link Fencing charges= RKM | 29.17 | Rs. 200000/- Per RKM | 5833600 |
| | Total Charges | | | 11032796 |
| Supervisory / Overhead / Miscellaneous Charges | | 10% on the CA charges | 1103280 | |
| Total (A) C.A. Charges | | | 12136076 | |
| B | Additional Compensatory Afforestation Charges | | | |
| | (1) 1 st Year cost of afforestation | 0 | 419.00 | 0.00 |
| | (2) 2 nd Year maintenance | | 92 | 0.00 |
| | (3) 3 rd Year maintenance | | 55 | 0.00 |
| | (4) 4 th Year maintenance | | 21 | 0.00 |
| | (5) 5 th Year maintenance | | 21 | 0.00 |
| | (6) 6 th Year maintenance | | 21 | 0.00 |
| | (7) 7 th Year maintenance | | 21 | 0.00 |
| | (8) 8 th Year maintenance | | 21 | 0.00 |
| | (9) 9 th Year maintenance | | 21 | 0.00 |
| | (10) 10 th Year maintenance | | 21 | 0.00 |
| | (11) Chain Link Fencing charges= RKM | 0.00 | Rs. 200000/- Per RKM | 0 |
| Total (B) Addl. C.A. Charges | | | 0 | |
| Catchment Area Treatment (if required) | | | | |
| Soil and Moisture Conservation charges | | 30% of the Total CA | 3640823 | |
| D | Safety Zone (if required) | | | |
| Saline soil Treatment (soil have high Electrical conductivity and Sodium Absorption Ratio so proper treatment is require) | | | | |
| Gypsum Application +Green manuring to reclaim soil+Casualty replacement+construction of sub surface drainage as per need | | 3.646 ha treatment | 60000(AS per guideline of Min of Agri(GOI) | 218,760 |
| Survey & Demarcation with DGPS | | | 200000 | 200,000 |
| Total | | | 418,760 | |

| Other Macheneries | | | | |
|-------------------|---|-----------------------|---|--|
| H | Protection Wacher next 10 year | 2 | 363.77/- per mandays x 26 day + 13% EPF and 3.25 % ESI = Orsay 10000 per person | 2640000 |
| c | Honda siel WV 30 D Diesal Pump | 1 | 45000 | 45000 |
| | Purchase of machinery and Equipements for Forest Protection | 1 Tractor 1 Trolly | Cost of Tractor 7 lakh Cost of Trolly 2 lakh | 900000 |
| d | Chain Saw MS-382 for forest harvesting | 2 | 32204 | 64408 |
| | Plantation protection sign board and Display Forest Department Management and Awareness | | 82000 | 82000 |
| | Solar Pump Submersible Tubewell for 10 Ha. (5HP) | 2 | 270000 per No. | 540000 |
| f | Earth Augar | 1 | 55890 | 55890 |
| | Total | | | 4327298 |
| | G.Total | | | 4,746,058 |
| F | Net Present Value of Forest Land to be diverted | | Rs. 887000/- ha. | 3234002 |
| G | Felling charges = Vol m ³ | 179.74 | Rs. 1200/- Per m ³ | 215688 |
| | | | Total | 23972646 |
| H | Exigency Charges 3% of the total cost of Total CA Scheme | | | 719179 |
| | | | G.Total | 24691826 |
| 3 | Technical Details :- | | | |
| | Technical Details of Compensatory Afforestation Scheme are as follows :- | | | |
| a | General Details | | | Plantation will be done with 3 standard Barbed fencing in RF/PF. |
| b | Spacement. | | | 4mtr Plant to Plant |
| c | Species. | | | Neem, Bakain, Shisham, Siris, Jamun, Papri, Arjun, Lassora, Tut, Imli, Awla etc. |
| d | Plantation Method. | | | Tall Plantation |
| e | Soil and Moisture Conservation Works. | | | |
| f | Protection (Fencing, watchman, Peoples Participation etc). | | | Fencing |
| g | Proposed Monitoring Mechanisim. | | | M&E |
| h | Any Other Information | | | No |

Place: Hisar
Dated : 1/26/2020


Divisional Forest Officer
Hisar Forest Division
HISAR

Note : CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.