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Full Title of the Project : Diversion of 0.4935 hectare forest land for construction of 132 KV D/C transmission line from 220 KV sub station Deroli Ahir to Mundia Khera and Ateli Sub Station through various strip forest areas under Forest Division and Distt. Mahendergarh, Haryana.
File No. : FP/HR/Trans/142888/2021
Date of Proposal : 30-05-2021

CHECK LIST SERIAL NUMBER :- 18 "SCHEME FOR C.A. " (Model-1)

Name of the Forest/Reach to be diverted for construction of 132 KV D/C transmission line from 220 KV sub station Deroli Ahir to Mundia Khera and Ateli Sub Station through various strip forest areas under Forest Division and Distt. Mahendergarh, Haryana.

Forest Area = 0.4935 ha.

Detail of degraded forest land/non-forest land where C.A. is to be carried out.

Division: Mahendergarh District: Mahendergarh Range: Mahendergarh C.A. Site

Name: Bassai Disty. to be afforested:-

- 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 are given: - There is no land bank in District Mahendergarh. Plantation will be done Protected Forest area.
In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:-
- iii) Soil type Sandy Loam
- iv) Topography a. Hilly/Undulating/Plain:
b. Slope: - Steep/Medium/Gentle
- v) Whether the area is bearing any root stock of vegetation:- A. tortilis, Mesquite.

Plantation Model :-

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

1. **Schedule of Plantation Programme :-**

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

The Estimated cost of plantation & Maintenance of 104 Plants for next ten year by revising the CA Scheme rate rupees 679.35 per plants from existing wage rate Rs. 363.77/- per day to Rs. 400/- per day, increasing 10% for the year 2022-23 as under:-

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| S.No. | Year | Rate Per Plant |
|-------------------|----------------------------------|------------------------|
| 1 | 1 st Year Plantation | Rs. 348.59/- Per Plant |
| 2 | 2 nd Year Plantation | Rs. 120.37/- Per Plant |
| 3 | 3 rd Year Plantation | Rs. 71.00/- Per Plant |
| 4 | 4 th Year Plantation | Rs. 14.69/- Per Plant |
| 5 | 5 th Year Plantation | Rs. 16.15/- Per Plant |
| 6 | 6 th Year Plantation | Rs. 17.78/- Per Plant |
| 7 | 7 th Year Plantation | Rs. 19.55/- Per Plant |
| 8 | 8 th Year Plantation | Rs. 21.51/- Per Plant |
| 9 | 9 th Year Plantation | Rs. 23.67/- Per Plant |
| 10 | 10 th Year Plantation | Rs. 26.04/- Per Plant |
| Total Cost | | Rs. 679.35 |

Area to be Diverted : 0.4935 ha.

No. of Trees to be felled : 164

No. of Plants to be damaged : 51

Area to be planted under normal CA : 1.640 ha. (Ten time of tree felling)

Plants to be Planted under normal CA : 1640 (@ 1000 plants per ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)= 102 Plants

Area to planted under Addl. CA : 0.102 ha. (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 1742

Total Area to be planted (CA+Addl.CA) : 1.742 ha. (@ 1000 plants per ha.)

| A | Compensatory Afforestation Charges | No. of Plants | Rate | Total Amount (Rs.) |
|---|--|---------------|------------------------|--------------------|
| | (1) 1 st Year cost of afforestation | 1640 | Rs. 348.59/- Per Plant | 571691 |
| | (2) 2 nd Year maintenance | 1640 | Rs. 120.37/- Per Plant | 197403 |
| | (3) 3 rd Year maintenance | 1640 | Rs. 71.00/- Per Plant | 116434 |
| | (4) 4 th Year maintenance | 1640 | Rs. 14.69/- Per Plant | 24093 |
| | (5) 5 th Year Maintenance | 1640 | Rs. 16.15/- Per Plant | 26493 |
| | (6) 6 th Year Maintenance | 1640 | Rs. 17.78/- Per Plant | 29165 |
| | (7) 7 th Year Maintenance | 1640 | Rs. 19.55/- Per Plant | 32065 |
| | (8) 8 th Year Maintenance | 1640 | Rs. 21.51/- Per Plant | 35279 |
| | (9) 9 th Year Maintenance | 1640 | Rs. 23.67/- Per Plant | 38812 |
| | (10) 10 th Year Maintenance | 1640 | Rs. 26.04/- Per Plant | 42707 |
| | (11) Barbed wire fencing charge | 4 RKM | Rs. 200000/- Per RKM | 800000 |
| | Total charges | | | 1914142 |

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|----------|--|----------------------|-----------------------------|--|
| | Total charges | | | 1914142 |
| | Supervisory/Overhead/Miscellaneous Charges | | 10% on the total CA charges | 191414 |
| | Sub Total (A) C.A. charges | | | 2105556 |
| B | Additional Compensatory Afforestation Charges | No. of Plants | Rate | Total Amount (Rs.) |
| | (1) 1 st Year cost of afforestation | 102 | Rs. 348.59/- Per Plant | 35556 |
| | (2) 2 nd Year maintenance | 102 | Rs. 120.37/- Per Plant | 12277 |
| | (3) 3 rd Year maintenance | 102 | Rs. 71.00/- Per Plant | 7242 |
| | (4) 4 th Year maintenance | 102 | Rs. 14.69/- Per Plant | 1498 |
| | (5) 5 th Year Maintenance | 102 | Rs. 16.15/- Per Plant | 1648 |
| | (6) 6 th Year Maintenance | 102 | Rs. 17.78/- Per Plant | 1814 |
| | (7) 7 th Year Maintenance | 102 | Rs. 19.55/- Per Plant | 1994 |
| | (8) 8 th Year Maintenance | 102 | Rs. 21.51/- Per Plant | 2194 |
| | (9) 9 th Year Maintenance | 102 | Rs. 23.67/- Per Plant | 2414 |
| | (10) 10 th Year Maintenance | 102 | Rs. 26.04/- Per Plant | 2656 |
| | (11) Barbed wire fencing charge | 0.408 RKM | Rs. 200000/- Per RKM | 81600 |
| | Sub Total (B) Total addl. C.A. charges | | | 150893 |
| C | Penal CA | | | Decision will be taken after in principal permission |
| D | Catchments Area Treatment | | | |
| | Soil and Moisture Conservation charges | | | 0 |
| | Sub Total (D) | | | 0 |
| E | Safety Zone | | | |
| F | Additional Charges | | | |
| | i) Chain link fencing | | Meter | 0 |
| | ii) Pipeline fitting for multiple water points | | L.S. | 0 |
| | iii) survey & demarcation | | L.S. | 20000 |
| | iv) Plantation Sine board | | L.S. | 5000 |
| | Sub Total (F) | | | 25000 |
| G | Net Present Value of Forest Land to be diverted | 0.4935 | 1357110 per ha. | 669734 |
| H | Felling charges | 84.84 | 1200 per cum | 101808 |
| | Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund | | | 3052991 |

2. Technical details :-

Technical details of Compensatory Afforestation Scheme are as follows :-

- a) General Details :- Plantation will be done with 3 strand barbed wire in Protected Forest area
- b) Spacement :- 4 x 4 meter
- (c) Species :- Azadirachta indica, Holoptelea integrifolia, Ficus benghalensis, Ficus religiosa, Zyzyphus mauritiana, Albizia lebbeck etc.
- (d) Plantation Method :- Tall Plantation .
- (e) Soil and Moisture Conservation Works: - Nil
- (f) Protection (Fencing, Watch man, People's Participation etc): - Fencing
- (g) Proposed Monitoring Mechanism :- (M & E)
- (h) Any other information: - N.A.

Divisional Forest Officer
Mahendergarh Forest Division

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

Place Mahendergarh
Date 17-01-2022