

**Full Title of the Project :-** Diversion of 0.85431 Ha. of Forest Land for carrying out the work of 220/132 KV transmission line under TS Division HVPNL, Kaithal. (Creation of 220 KV D/C line with 0.5 Sq. inch conductor of 220 KV D/C line from 400 KV S/Stn. Kaithal (PGCIL) to 220 KV S/Stn. Neemwala, under Forest Division & Distt. Kaithal, Haryana.

**File No :-** FP/HR/Trans/41327/2019

**Date of Proposal :** 26/11/2019

**CHECK LIST SERIAL NUMBER: 17**

**" Scheme for C.A."**

**Name of the Forest/Reaches to be diverted :-**

Diversion of 0.85431 Ha. of Forest Land for carrying out the work of 220/132 KV transmission line under TS Division HVPNL, Kaithal. (Creation of 220 KV D/C line with 0.5 Sq. inch conductor of 220 KV D/C line from 400 KV S/Stn. Kaithal (PGCIL) to 220 KV S/Stn. Neemwala, under Forest Division & Distt. Kaithal, Haryana.

**Forest Area = 0.85431 Ha.**

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

Division **Kaithal** District **Kaithal**  
Tehsil **Pundri** Range **Pundri**

**C.A. Site Name : Fatehpur Escape, C-4.**

**Area to be Afforested :-**

- a) Whether the site selected for Compensatory Afforestation is a land bank (Yes or Not : **Yes**)
- b) If the CA site is other than the land bank, reasons be given:-- N.A  
In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: \_\_\_\_\_
- i) Soil type : **Good**
- ii) Topography :
  - (a) **Hilly/Undulating/Plain**
  - (b) **Slope: Steep/Medium/Gentle**
- iii) Whether the area is bearing any root stock of vegetation: **No**

**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 plantation cost is calculated for Tall Plants norms at 4m x 5.0m spacing at the wage rate of Rs. 326.82 per day as under :-

| Sr. No. | Year                           | Rate per Plant          |
|---------|--------------------------------|-------------------------|
| 1       | Ist Year cost of afforestation | Rs. 359.10/- Per Plant  |
| 2       | IIInd Year maintenance         | Rs. 115.35/- Per Plant  |
| 3       | IIIrd Year maintenance         | Rs. 41.89/- Per Plant   |
| 4       | IVth Year maintenance          | Rs. 15.58/- Per Plant   |
| 5       | Vth Year maintenance           | Rs. 15.58/- Per Plantzz |
| 6       | VIth Year maintenance          | Rs. 15.58/- Per Plant   |
| 7       | VIIth Year maintenance         | Rs. 15.58/- Per Plant   |
| 8       | VIIIth Year maintenance        | Rs. 15.58/- Per Plant   |
| 9       | IXth Year maintenance          | Rs. 15.58/- Per Plant   |
| 10      | Xth Year maintenance           | Rs. 15.58/- Per Plant   |
|         | <b>Total</b>                   | <b>625.40/-</b>         |

Activity wise cost norms of plantation at wage rate ~~326.82~~ 326.46 is provided here after. (copy attached)

Area to be Diverted = 0.85431 Ha.

No. of trees to be felled = 353

Plants to be damaged = 199

Area to be planted under normal CA :- 1.70862 Ha. (Double the area to be diverted)

Plants to be Planted under normal CA:- 1708.62 Plants (@ 1000 plants per Ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged) = 199x2 =

398 Plants

Area to planted under Addl. CA :- 0.398 Ha. @ 1000 plants per Ha.)

Total No. of plants to be planted (CA+Addl. CA) :- 2106 Plants

Total Area to be planted (CA+Addl. CA) :- 2.10662 Ha. (@1000 plants per Ha.)

or 4.2 Ha. @ 500 Plant per Ha. (5x4 mtr)

| Sr. No. | Description   |                      | Rate                        | Total Amount (Rs.) |
|---------|---|----------------------|-----------------------------|--------------------|
| A       | <b>Compensatory Afforestation Charges</b>                               | <b>No. of Plants</b> |                             |                    |
|         | (1) 1 <sup>st</sup> Year cost of afforestation                          | 1708                 | Rs. 359.10 Per Plant        | 613342.8           |
|         | (2) 2 <sup>nd</sup> year maintenance                                    | 1708                 | Rs. 115.35 Per Plant        | 197017.8           |
|         | (3) 3 <sup>rd</sup> year maintenance                                    | 1708                 | Rs. 41.89 Per Plant         | 71548.12           |
|         | (4) 4 <sup>th</sup> year maintenance                                    | 1708                 | Rs. 15.58 Per Plant         | 26610.64           |
|         | (5) 5 <sup>th</sup> year maintenance                                    | 1708                 | Rs. 15.58 Per Plant         | 26610.64           |
|         | (6) 6 <sup>th</sup> year maintenance                                    | 1708                 | Rs. 15.58 Per Plant         | 26610.64           |
|         | (7) 7 <sup>th</sup> year maintenance                                    | 1708                 | Rs. 15.58 Per Plant         | 26610.64           |
|         | (8) 8 <sup>th</sup> year maintenance                                    | 1708                 | Rs. 15.58 Per Plant         | 26610.64           |
|         | (9) 9 <sup>th</sup> year maintenance                                    | 1708                 | Rs. 15.58 Per Plant         | 26610.64           |
|         | (10) 10 <sup>th</sup> year maintenance                                  | 1708                 | Rs. 15.58 Per Plant         | 26610.64           |
|         | (11) Barbed wire fencing charges  | RKM                  | Rs. 165000/- Per RKM        | 1127280            |
|         |   | 6.832                |                             |                    |
|         | Total Charges   |                      |                             | 2195463            |
|         | Supervisory/Overhead/ Misc. Charger                                     |                      | 10% on the total CA charges | 219546             |
|         | <b>Total (A) C.A. Charge</b>  |                      |                             | <b>2415009</b>     |
| B       | <b>Additional Compensatory Afforestation Charges 199x2 = 398 Plants</b> |                      |                             |                    |
|         | (1) 1 <sup>st</sup> Year cost of afforestation                          | 398                  | Rs. 359.10 Per Plant        | 142921.8           |
|         | (2) 2 <sup>nd</sup> year maintenance                                    | 398                  | Rs. 115.35 Per Plant        | 45909.3            |
|         | (3) 3 <sup>rd</sup> year maintenance                                    | 398                  | Rs. 41.89 Per Plant         | 16672.22           |
|         | (4) 4 <sup>th</sup> year maintenance                                    | 398                  | Rs. 15.58 Per Plant         | 6200.84            |
|         | (5) 5 <sup>th</sup> year maintenance                                    | 398                  | Rs. 15.58 Per Plant         | 6200.84            |
|         | (6) 6 <sup>th</sup> year maintenance                                    | 398                  | Rs. 15.58 Per Plant         | 6200.84            |
|         | (7) 7 <sup>th</sup> year maintenance                                    | 398                  | Rs. 15.58 Per Plant         | 6200.84            |
|         | (8) 8 <sup>th</sup> year maintenance                                    | 398                  | Rs. 15.58 Per Plant         | 6200.84            |
|         | (9) 9 <sup>th</sup> year maintenance                                    | 398                  | Rs. 15.58 Per Plant         | 6200.84            |
|         | (10) 10 <sup>th</sup> year maintenance                                  | 398                  | Rs. 15.58 Per Plant         | 6200.84            |
|         | (11) Barbed wire fencing charges  | RKM                  | Rs. 165000/- Per RKM        | 262680             |
|         |   | 1.592                |                             |                    |
|         | <b>Total (B) Addl. C.A. Charges</b>                                     |                      |                             | <b>511589</b>      |
| C       | Penal C.A   |                      |                             | 0                  |
| D       | <b>Catchment Area Treatment</b>   |                      |                             |                    |
|         | Soil and Moisture Conservation charges                                  |                      | 30% of the Total CA         | 724503             |



|   |   |                     |                  |
|---|---|---------------------|------------------|
|   | Total (D)   |                     | 724503           |
| E | Safety Zone (if required)                                   |                     | 0                |
| F | Additional Charges (if required)                            | Qty                 | Rate             |
|   | Total (F)   |                     | 0                |
| G | Net Present Value of Forest Land to be diverted             | Rs. 887000/-per ha. | 757773           |
| H | Felling charges   | Vol.M3              | Rs. 1200/-per m3 |
|   |   | 176.39              | 211668           |
|   | Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund |                     | 4620542          |

2.

**Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows :-

- a) General Details :- Plantation will be done with 3 strand barbed wire.
- b) Spacement :- ~~4x0.5 meter~~ 4x5 meter
- c) Species :- Neem, Bakain, Papri, Jamun, Bar, Pipal, Suhajna 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 :- Nil

Place :- Kaithal.

Dated :- 26/11/2019.

*[Signature]*  
**Divisional Forest Officer**  
**Kaithal Forest Division**  
**KAITHAL**  
 Deputy Conservator of Forest,  
 Kaithal Forest Division,  
 Kaithal.

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