

Kula

INMOORE

Handwritten signature

30 41 27.3N 76 57 25.9E

Parwala

Bhoj Tipra

Bhoj Bailg

Bhoj Nagal

Wedge Slope Factory

Image © 2015 CNES / Astrium
Image © 2015 DigitalGlobe

Balwal

Imagery Date: 4/23/2014

30°41'44.19" N 77°03'00.85" E elev 2722 ft

Kaulawa

GOO

Full Title of the Project: Diversion of 0.1978 Ha of Forest Land for 400 Kv D/c Panchkula Patiala Transmission Line of Power Grid Corporation of India Limited
File No. : FP/HR/Transmission /9754/2015
Date of Proposal: 22/05/2015

PART - II

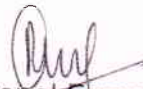
(To be filled by the concerned Deputy Conservator of Forests)

| | | |
|--------|---|---|
| 7. | Location of the project / Scheme : | Diversion of 0.1978 Ha of Forest Land for 400 Kv D/c Panchkula Patiala Transmission Line of Power Grid Corporation of India Limited |
| (i) | State / Union Territory | Haryana State |
| (ii) | District | Panchkula |
| (iii) | Forest Division | Morni Pinjore Forest Division |
| (iv) | Area of forest land proposed for diversion (in ha.) | 0.1978 Ha |
| (v) | Legal status of Forest | Protected Forest |
| (vi) | Density of vegetation (Cum) | 0.2 |
| (vii) | Species-wise (scientific names) and diameter class-wise enumeration of trees (to be enclosed. In case of irrigation / hydel projects enumeration at FRL, FRL-2 meter & FRL-4 meter also to be.) | Check List Sr No 15. |
| (viii) | Brief note on vulnerability of the area to erosion | No erosion |
| (ix) | Approximate distance of proposed site for diversion from boundary of forest. | The Proposed site for diversion with in Forest. |
| (x) | Whether forms part of National Park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, etc. (If so, the details of the area and comments of the Chief Wildlife Warden to be annexed). | No |
| (xi) | Whether any rare/ endangered / unique species of flora and fauna found in the area - if so details thereof. | No |
| (xii) | Whether any protected archaeological / heritage site / defense establishment or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required. | No |
| 8. | Whether the requirement of forest land as proposed by the user agency in col. 2 of Part-I is unavoidable and barest minimum for the project. If no, recommended area item-wise with details of alternatives examined. | Yes |
| 9. | Whether any work in violation of the Act has been carried out (Yes/No). If Yes, details of the same including period of work have done, action taken on erring officials. Whether work in violation is still in progress. | No |

| | | |
|------------|---|-----------------------------------|
| 10. | Details of compensatory Afforestation Scheme | |
| (i) | Details of non forest area / degraded forest area identified for compensatory Afforestation, its distance from adjoining forest, number of patches, size of each path. | Attached Check List No 17 |
| (ii) | Map showing non-forest / degraded forest area identified for compensatory Afforestation and adjoining forest boundaries. | Attached (Check List No. 17) |
| (iii) | Detailed compensatory Afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc. | Attached (Check List No. 18) |
| (iv) | Total financial outlay for compensatory Afforestation scheme | Attached (Check List No. 18) |
| (v) | Certificates from competent authority regarding suitability of area identified for compensatory Afforestation and from management point of view. (To be signed by the concerned Deputy Conservator of Forests). | Attached (Check List No. 19) |
| 11. | Site inspection report of the DCF (to be enclosed) especially highlighting facts asked in col. 7 (xi, xii), 8 and 9 above. | Attached (Check List No. 16) |
| 12. | Division / District profile : | |
| (i) | Geographical area of the district | 81615 HA |
| (ii) | Forest area of the district | 38208 HA |
| (iii) | Total forest area diverted since 1980 with number of cases | 487.9292 Ha (upto July 7, 2015) |
| (iv) | Total compensatory Afforestation stipulated in the district/division since 1980 on. a) Forest land including penal compensatory Afforestation b) Non-Forest land | 294.5944 Hectares --- |
| (v) | Progress of compensatory Afforestation as on (date) a) forest land b) Non-forest land | 101.317 Ha 50 Ha |
| 13. | Specific recommendations of the DCF for acceptance or otherwise of the proposal with reasons. | Recommended proposal is accepted. |

Dated: -

Place: - Pinjore, Distt - Panchkula


 Divisional Forest Officer
 Momi Pinjore Forest Divn
 PINJORE

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

Detail scheme for Compensatory Afforestation in lieu of **Diversion of 0.1978 Ha of Forest Land for 400 Kv D/c Panchkula Patiala Transmission Line of Power Grid Corporation of India Limited**

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

District: -Panchkula

Forest Division: -Morni Pinjore Territorial Division Pinjore

Block/Compt/Survey No.:- C 101

Area to be Afforested:- 0.1978 Ha x2 = 0.3956

GPS Reading : 30°41'27.3"N 76°57'25.9"E

Tehsil: Panchkula

Range: Panchkula -Raipur Rani

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 Panchkula. Plantation will be carried out.
- In case of Non-Forest area identified for CA, then what is the distance of CA site from adjoining forest boundary: - **With in Forest**
- d) Soil type: - Arid brown soil with texture varies from sandy loam to clay.
- Topography:-
 - a. Hilly/Undulating/Plain **Undulating**
 - 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 Tall Plants norms at 4m X 4m spacing and it is approved by the PCCF, Haryana's letter No. Misc-45/4495-4556 dated 25-03-2014 and at the wages rate of Rs.213.35/- per day as under:-

| Sr. No. | Year | Cost norm per plant |
|---------|-----------------------------------|---------------------|
| 1 | 1 st Year Plantation | |
| 2 | 2 nd Year Maintenance | 139/- |
| 3 | 3 rd Year Maintenance | 48/- |
| 4 | 4 th Year Maintenance | 21/- |
| 5 | 5 th Year Maintenance | 15/- |
| 6 | 6 th Year Maintenance | 15/- |
| 7 | 7 th Year Maintenance | 12/- |
| 8 | 8 th Year Maintenance | 12/- |
| 9 | 9 th Year Maintenance | 12/- |
| 10 | 10 th Year Maintenance | 12/- |
| | Total Cost. | 298/- |

| | | | |
|--|--------|--------------------|--------|
| Area to be diverted (In Ha) : | 0.1978 | | |
| Area to be planted (one Two, Ten time) (Ina Ha) :- | 0.3956 | | |
| No of trees to be felled :- | 0 | 1000 Plants per Ha | |
| No of plants to be damaged :- | 0.1978 | x 2.00 = | 0.3956 |
| No of Plnats to be planted @1000 Plants Per Ha | | | 395.6 |
| | | Or Say | 396 |
| | | Minimum Plants | 396 |


| Sr.No. | Description | No of Plants | Rate | Total Amount (Rs-P) |
|---|---|--------------|---------------------------------------|---------------------|
| A | Net present value of forest land to be diverted | 0.1978 | Rs 8.87 Lacs Per Ha (Below than 2 Ha) | 175448.60 |
| | Compensatory Afforestation Charges | | | |
| | 1) 1st Year cost of afforestation | 396 | Rs 139/- Per Plant | 55044 |
| | 2) 2nd Year Maintenance | 396 | Rs 48/- Per Plants | 19008 |
| | 3) 3rd Year Maintenance | 396 | Rs 21/- Per Plants | 8316 |
| | 4) 4th Year Maintenance | 396 | Rs 15/- Per Plants | 5940 |
| | 5) 5th Year Maintenance | 396 | Rs 15/- Per Plants | 5940 |
| | 6) 6th Year Maintenance | 396 | Rs 12/- Per Plants | 4752 |
| | 7) 7th Year Maintenance | 396 | Rs 12/- Per Plants | 4752 |
| | 8) 8th Year Maintenance | 396 | Rs 12/- Per Plants | 4752 |
| | 9) 9th Year Maintenance | 396 | Rs 12/- Per Plants | 4752 |
| | 10) 10th Year Maintenance | 396 | Rs 12/- Per Plants | 4752 |
| | 11) Barbed wire fencing charges | 1.58 RKM | Rs 65000/- Per RKM | 102960.00 |
| | Total Charges (B Above) | | | 220968.00 |
| C | Supervisory / Overhead / Misc Charges | | 10% on CA Total | 22096.80 |
| | Total C.A. Charges (B+C) | | | 243064.80 |
| D | Felling Charges for Tree = 31 No(33.33) | | Rs 720/- Per M3 | 23997.6 |
| E | Plantation damage charges for Plant= 11 U/S | | Rs 200/- Per Plant | 2200 |
| F | Any Other charges (If necessary) | | | 0 |
| Grand Total (A+B+C+D+E+F) to be deposited in CAMPA Fund | | | | 444711.00 |
| | | | | Or Say |
| | | | | 444711 |
| Rs. Four lac forty four thousand seven hundred & eleven only | | | | |

2 Technical Details:

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Detail : Plantation will be done with 2 strand barbed wire in reserved / Protected forest
- Spacement : 4x4 Meter
- Species :- Beri, Khair, Bans etc
- Plantation Method: Tall Plantation
- Soil and Moisture Conservator Works : Nil
- Protection (Fencing, Watch man, People Participation etc) : Fencing
- Proposed Monitoring Mechanism (M&E)
- Any other information : Nil

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


 Divisional Forest Officer
 Pami Pinjore Forest Divn
 BANGORE