

**Full Title of the Project:** Diversion of 0.45 ha. of forest land for laying of Natural Gas pipe line along NH-71 (New NH-709) at Km. 13.380 to 20.880 Sukhpura Chowk to Brahmanwas in under forest division and Distt. Rohtak.

**File No. : FP/HR/Pipeline/118077/2020**

**Date of Proposal: 31.12.2020.**

**CHECK LIST SERIAL NUMBER:-18**  
**"SCHEME FOR CA"**

**Name of the Forest/Reach to be diverted**

Diversion of 0.45 ha. of forest land for laying of Natural Gas pipe line along NH-71 (New NH-709) at Km. 13.380 to 20.880 in under forest division and Distt. Rohtak.

**Forest Area for CA = 0.9 Ha. Addl CA = : 0.04 Ha forest land/non-forest land where is to be carried out.**

Division: **Rohtak** District : **Rohtak**  
Tehsil: **Rohtak**

**C.A. Site name : Rohtak-Gohana Rly Line Km. 14 to 17 L & R side 4 Line**

**Width of forest Land CA Site: 80 Fit.**

|                    |                               |                                  |
|--------------------|-------------------------------|----------------------------------|
| <b>GPS Reading</b> | <b>Latitude: 29°0'7.302"N</b> | <b>Longitude: 76°38'55.140"E</b> |
|                    | 29°0'7.363"N                  | Longitude: 76°38'54.930"E        |
|                    | 29°1'39.707"N                 | Longitude: 76°39'30.390"E        |
|                    | 29°1'39.770"N                 | Longitude: 76°39'30.180"E        |

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No):
- b) If the CA site is other than the land bank, reasons be given:-  
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: Plain  
b. Slope:-Steep/Medium/Gentle: 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 2½m spacing at the wage rate of Rs. 326.82 per day as under:-

| Year                           | Rate per Plant       |
|--------------------------------|----------------------|
| 1st Year cost of afforestation | Rs. 395.00 Per Plant |
| 2nd Year maintenance           | Rs. 138.00 Per Plant |
| 3rd Year maintenance           | Rs. 55.00 Per Plant  |
| 4th Year maintenance           | Rs. 22.00 Per Plant  |
| 5th Year maintenance           | Rs. 24.00 Per Plant  |
| 6th Year maintenance           | Rs. 26.00 Per Plant  |
| 7th Year maintenance           | Rs. 27.00 Per Plant  |
| 8th Year maintenance           | Rs. 28.00 Per Plant  |
| 9th Year maintenance           | Rs. 30.00 Per Plant  |
| 10th Year maintenance          | Rs. 32.00 Per Plant  |
| <b>Total</b>                   | <b>Rs. 777.00</b>    |

Area to be Diverted : 0.45 ha.

No. of Trees to be felled : 14

No. of Plants to be damaged : 20

Area to be planted under normal CA:  $0.45 \times 2 = 0.9 \times 1000$  Plants = 900 Plants to be Planted under normal CA : **900 Plants** (@ 1000 plants per ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be Damaged = **40** Plants

Total Area to be planted **CA = : 0.9 Ha. Addl CA = : 0.04 Ha** (@ 1000 plants per ha.)

| S. No                 | DESCRIPTION                                    |              | RATE                 | TOTAL AMOUNT (Rs.)    |                   |
|-----------------------|--|--------------|----------------------|-----------------------|-------------------|
| A                     | Compensatory Afforestation Charges             | No. of Plant |                      |                       |                   |
|                       | (1) 1st Year cost of afforestation             | 900          | Rs.395.00 Per Plan   | 355500.00             |                   |
|                       | (2) 2nd Year maintenance                       | 900          | Rs.138.00Per Plant   | 124200.00             |                   |
|                       | (3) 3rd Year maintenance                       | 900          | Rs. 55.00 Per Plant  | 49500.00              |                   |
|                       | (4) 4th Year maintenance                       | 900          | Rs. 22.00 Per Plant  | 19800.00              |                   |
|                       | (5) 5th Year maintenance                       | 900          | Rs. 24.00 Per Plant  | 21600.00              |                   |
|                       | (6) 6th Year maintenance                       | 900          | Rs. 26.00 Per Plant  | 23400.00              |                   |
|                       | (7) 7th Year maintenance                       | 900          | Rs. 27.00 Per Plant  | 24300.00              |                   |
|                       | (8) 8th Year maintenance                       | 900          | Rs. 28.00 Per Plant  | 25200.00              |                   |
|                       | (9) 9th Year maintenance                       | 900          | Rs. 30.00 Per Plant  | 27000.00              |                   |
|                       | (10) 10th Year maintenance                     | 900          | Rs. 32.00 Per Plant  | 28800.00              |                   |
|                       | (11) Barbed wire fencing charge                | RKM<br>3.6   | Rs.2,00000/- Per RKM | 720000.00             |                   |
|                       | Total Charges                                  |              |                      |                       | <b>1419300.00</b> |
|                       | Supervisory / Overhead / Miscellaneous Charges |              |                      | 10% on the CA charges | 141930.00         |
| Total (A) C.A. Charge |  |              |                      | <b>1561230.00</b>     |                   |
| B                     | Additional Compensatory Afforestation Charges  |              |                      |                       |                   |
|                       | (1) 1st Year cost of afforestation             | 40           | Rs.395.00 Per Plan   | 15800.00              |                   |
|                       | (2) 2nd Year maintenance                       | 40           | Rs.138.00Per Plant   | 5520.00               |                   |
|                       | (3) 3rd Year maintenance                       | 40           | Rs. 55.00 Per Plant  | 2200.00               |                   |
|                       | (4) 4th Year maintenance                       | 40           | Rs. 22.00 Per Plant  | 880.00                |                   |
|                       | (5) 5th Year maintenance                       | 40           | Rs. 24.00 Per Plant  | 960.00                |                   |
|                       | (6) 6th Year maintenance                       | 40           | Rs. 26.00 Per Plant  | 1040.00               |                   |
|                       | (7) 7th Year maintenance                       | 40           | Rs. 27.00 Per Plant  | 1080.00               |                   |
|                       | (8) 8th Year maintenance                       | 40           | Rs. 28.00 Per Plant  | 1120.00               |                   |
|                       | (9) 9th Year maintenance                       | 40           | Rs. 30.00 Per Plant  | 1200.00               |                   |
|                       | (10) 10th Year maintenance                     | 40           | Rs. 32.00 Per Plant  | 1280.00               |                   |
| C                     | (11) Barbed wire fencing charge                | RKM<br>0.16  | Rs.2,00000/- Per     | 32000.00              |                   |

|  |   |             |                                     |                   |
|--|---|-------------|-------------------------------------|-------------------|
|  | <b>Total (B) Addl. C.A. Charges</b>             |             |                                     | <b>63080.00</b>   |
|  | <b>Penal Compensatory Afforestation Charges</b> |             |                                     |                   |
|  | SMC Charges                                     |             | 30% on the CA Charges               | <b>468369.00</b>  |
|  | Catchment Area Treatment                        |             |                                     | 0                 |
|  | Total (D)                                       |             |                                     | 0                 |
| E  | Safety Zone (if required)                       |             |                                     | 0                 |
| F  | Additional Charges (if required)                | Qty         | Rate                                | 0                 |
|  | Total (F)                                       |             |                                     | 0                 |
| G  | Net Present Value of Forest Land to be diverted |             | Rs. 887000/- per ha. <b>0.45 Ha</b> | <b>399150.00</b>  |
| H  | Felling charges                                 | Vol. M3     | Rs.1200 /- per m3                   | <b>1008</b>       |
|  |   | <b>0.84</b> |                                     |                   |
| <b>Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund</b> |   |             |                                     | <b>2492837.00</b> |

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) Spacemen:- 4x4 meter
- c) Species:- Neem, Papri, Kachnar
- d) Plantation Method :- Tall Plantation
- e) Soil and Moisture Conservation Works
- f) Protection (Fencing, Watch man, People's Participation etc.):- Fencing
- g) Proposed Monitoring Mechanism:- (M&E),
- h) Any Other information:- Nil.

Place:

Dated : 12/02/2021

**Dy. Conservator of Forests**  
Rohtak.

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Rohtak. o/c  
12/02/2021