

**Full Title of the Project:**

Diversion of 0.0087 ha of forest land for access to petrol pump of M/s Nayara Energy Limited (Formerly Essar Oil Limited) along at Khasra No. 17/21/2, 22/2/2, 23/2/2, 19/1/1/1, 2/1/2/1, 2/2/3/1 along Ballabagarh-Sohna Road at Village-Kherli Lala, Tehsil-Sohna, Distt. Gurugram, Under Forest Division and District Gurgaon.

**File No. :**

**Date of Proposal:**

**FP/HR/APPROACH/37543/2018**

**CHECK LIST SERIAL NUMBER: - 18**

**"SCHEME FOR COMPENSATORY AFFORESTATION**

Detail scheme for Compensatory Afforestation in lieu of proposal for diversion of 0.0087 Hec. of forest land for road access for Petrol Pump of M/s Nayara Energy Limited (Formerly Essar Oil Limited) along at Khasra No. 17/21/2, 22/2/2, 23/2/2, 19/1/1/1, 2/1/2/1, 2/2/3/1 along Ballabagarh-Sohna Road at Village-Kherli Lala, Tehsil-Sohna, Distt. Gurugram, Under Forest Division and District Gurgaon.

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

District: -Gurgaon

Tehsil: Sohna

Forest Division: - Gurgaon

Range: Gurgaon

Block/Compt/Survey No.: - Khuntपुरi Section 4 & 5 of PLPA 1900.

Area to be afforested: **100 plants & 10 add. Plants will be planted**

GPS Reading:- N 28° 13' 24" E 77° 11' 11" N 28° 13' 24" E 77° 11' 10"

**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 Gurgaon. Plantation will be carried out along Khuntपुरi Section 4 & 5 of PLPA 1900.
- In case of Non-Forest area identified for CA, then what is the distance of CA site from adjoining forest boundary: - CA will be carried out Khuntपुरi Section 4 & 5 of PLPA 1900
- d) Soil type: - Arid brown soil with texture varies from sandy loam to clay.
- Topography:-

a. Hilly/Undulating/Plain

Hilly

b. Slope: - Steep/Medium/Gentle

Medium

f) Whether the area is bearing any root stock of vegetation:-

Yes

**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 Plantation as per Revitalization of Institutions for Aravalli. at 5m X 4m spacing and 500 plants per Hac. at the wages rate approved at Rs.339.51/- per day as under:-

Sr. No.	Year	Cost norm per plant
1	1 <sup>st</sup> Year Plantation	373.04/- Per Plant
2	2 <sup>nd</sup> Year Maintenance	119.82/- Per Plant
3	3 <sup>rd</sup> Year Maintenance	43.55/- Per Plant
4	4 <sup>th</sup> Year Maintenance	16.18/- Per Plant
5	5th Year Maintenance	16.18/- Per Plant



6	6th Year Maintenance	16.18/- Per Plant
7	7th Year Maintenance	16.18/- Per Plant
8	8th Year Maintenance	16.18/- Per Plant
9	9th Year Maintenance	16.18/- Per Plant
10	10th Year Maintenance	16.18/- Per Plant
	<b>Total Cost.</b>	<b>649.67/-</b>

**Area to be diverted: 0.0087 Hec.**

Area to be planted (One/two/ten times the diverted area) = **100 Plants & 10 add. Plants (5mx4m)**

No. of trees to be felled= **Nil**

No. of Plants to be damaged=**Nil**

Number of Plants to be planted (@ 1000 Plant per Hec.) = **100 Plants & 10 add. Plants**

	Description	Total Area	Rate	Total Amount (Rs.)
<b>A</b>	<b>Net Present Value of Forest Land to be diverted</b>	<b>0.0087</b>	<b>Rs. 8.87 Lacs/Ha.</b>	<b>7716.9</b>
<b>B</b>	<b>Compensatory Afforestation Charges</b>	<b>No. of Plants</b>		
1	1st Year Plantation	100	373.04/- Per Plant	37304
2	2nd Year Plantation	100	119.82/- Per Plant	11982
3	3rd Year Plantation	100	43.55/- Per Plant	4355
4	4th Year Plantation	100	16.18/- Per Plant	1618
5	5th Year Plantation	100	16.18/- Per Plant	1618
6	6th Year Plantation	100	16.18/- Per Plant	1618
7	7th Year Plantation	100	16.18/- Per Plant	1618
8	8th Year Plantation	100	16.18/- Per Plant	1618
9	9th Year Plantation	100	16.18/- Per Plant	1618
10	10th Year Plantation	100	16.18/- Per Plant	1618
	<b>Total Charges of (B Above)</b>			<b>64967</b>
<b>Additional Compensatory Afforestation Scheme</b>				
<b>C</b>	<b>Compensatory Afforestation Charges</b>	<b>No. of Plants</b>		
1	1st Year Plantation	10	373.04/- Per Plant	3730.4
2	2nd Year Plantation	10	119.82/- Per Plant	1198.2
3	3rd Year Plantation	10	43.55/- Per Plant	435.5
4	4th Year Plantation	10	16.18/- Per Plant	161.8
5	5th Year Plantation	10	16.18/- Per Plant	161.8
6	6th Year Plantation	10	16.18/- Per Plant	161.8

7	7th Year Plantation	10	16.18/- Per Plant	161.8
8	8th Year Plantation	10	16.18/- Per Plant	161.8
9	9th Year Plantation	10	16.18/- Per Plant	161.8
10	10th Year Plantation	10	16.18/- Per Plant	161.8
	Total Charges of (C Above)			6496.7
D	Barbed Wire Fencing Charge	0.25	Rs. 76700/- Per RKM	19175
	Total Charges of (B+C+D Above)			
E	Supervisory/Overhead/Miscellaneous Charges		10% On the total CA Charges	7146
	Soil & Moisture Conservation Charges		30% of Total CA	21439.11
F	Felling Charges Volume=	1.27	Rs.1200/- per m3	1524
G	Compensation Value of Trees			0
H	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F)			3854
<b>TOTAL (A+B+C+D+E+F+G+H)</b>				<b>132319</b>

**5. Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details: - **Plantation will be done in Khuntपुरi Section 4 & 5 of PLPA 1900**
- Spacing: - **5m X 4m Plantation**
- Species: - **Neem, Bad, Peepal etc.**
- Plantation Method: - **Tall Plants**
- Soil and Moisture Conservation Works: - **Nil**
- Protection (Fencing, Watch man, People's Participation etc.): - **People Participation**
- Proposed Monitoring Mechanism: - **Checking of plantation works will be RFO, DCF, CF, and DCF (M&E)**
- Any other information: - **Nil**

Dated... 27-5-19

Place: - Gurgaon

  
**Divisional Forest Officer**  
**Gurgaon Forest Division**  
**GURUGRAM**