



OFFICE OF THE DIVISIONAL FOREST OFFICER, DHENKANAL FOREST DIVISION

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Memo No 2746 3F/Misc/257/2020/dt. 13.03.2020

To,

The Regional Chief Conservator of Forests,
Angul.

Sub:- Proposal for diversion of 6.2582 Ha. Forest Land for laying of underground natural gas pipeline along with optical fiber cable (OFC) Jagadishpur-Haladia-Bokaro-Dhamara Gas Pipe Line Project (JHBDPL) Odisha, Phase-I in Dhenkanal district, Odisha.

State Serial No- OR-011/2019 dt.13.02.2019.

Proposal No-FP/OR/Others/38875/2019.

On the above mentioned subject, it is to inform that the above proposal for Diversion of 6.2582 Ha. (Bega Reserve Forest=0.2584 + Revenue Forest Land (Gramya Jungle) = 5.9998) for laying of underground natural gas pipeline along with optical fiber cable (OFC) Jagadishpur-Haladia-Bokaro-Dhamara Gas Pipe Line Project (JHBDPL) Odisha, Phase-I in Dhenkanal district, Odisha in respect of Dhenkanal Forest Division has been received from the User Agency through online bearing **State Serial No. OR-011/2019 dt.13.02.2019** for due processing and onward transmission for approval under Section 2 of Forest (Conservation) Act, 1980.

Brief Description of the Proposal.

GAIL (India) Limited, India's principal Gas Transmission and Marketing Company, was set up by the Government of India in August 1984 to create gas sector infrastructure for sustained development of the Natural Gas Sector in the country. The 1800-km Hazira-Vijaipur-Jagdishpur (HVJ) pipeline became operational in 1989. During 1991-93, three LPG plants were constructed and some regional pipelines acquired, enabling GAIL to begin its regional gas distribution in various parts of India.

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GAIL (India) Limited, is India's flagship Natural Gas company, integrating all aspects of the Natural Gas value chain (including Exploration & Production, Processing, Transmission, Distribution and Marketing) and its related services. In a rapidly changing scenario, GAIL is spearheading the move to a new era of clean fuel industrialization, creating a quadrilateral of green energy corridors that connect major consumption center in India with major Gas Fields, LNG terminals and other cross border gas sourcing points. GAIL is also expanding its business to become a player in the International Market.

GAIL has been awarded authorization by Ministry of Petroleum and Natural Gas to lay a network of gas pipeline and associated facilities for the transportation of natural gas to fulfill the requirement of various consumers in the states of Eastern UP, Bihar, Jharkhand, Odisha, Chhattisgarh, Maharashtra & West Bengal.

In view of this M/s GAIL (India) Limited, is planning to lay a pipeline for transportation of natural gas from Haldia to Jagdishpur along with various spur pipelines like Bokaro TAP-OFF to CGS Ranchi (JHPL-SP12), Dobhi to Patna TOP (JHPL-SP13), Patna TOP to Patna CGS (JHPL-SP14) and Patna TOP to Patna CGS (JHPL-SP17).

In continuation to above M/s. GAIL (India) Ltd. has proposed 36"Ø Surat-Paradip Pipeline Project from Dhamra Port to Deori Section in the states of Odisha, Chhattisgarh & Maharashtra and Spurlines and connectivity to Paradip, Bhubneswar & Cuttack in state of Odisha.

Gail (India) Limited (GAIL) has proposed to lay Jagdishpur- Haldia/Bokaro – Dhamra Natural Gas Pipeline (JHBDPL) Project under Authorization from MoPNG (Ministry of Petroleum and Natural Gas), Govt. of India. The Jagdishpur-Haldia-Bokaro-Dhamra Pipeline (JHBDPL) Project of GAIL is a part of the Prime Minister Urja Ganga Project. The approximate length of the JHBDPL pipeline is 2600 kms and passes through the various parts of Eastern UP, Bihar, Jharkhand, Odisha & West Bengal.

Similarly, GAIL (India) Limited has been also authorized by Govt. of India to lay, Build and Operate a cross country Gas pipeline from Phulpur (Uttar Pradesh) to Haldia (West Bengal) / Dhamra (Odisha) including associated Spur Pipe lines. The said pipeline shall be passing through the states of U.P., Bihar, Jharkhand, West Bengal and Odisha for supply and distribution of Natural Gas / RLNG to various industries and City Gas Distribution networks. Accordingly, GAIL has to start pre-project activities immediately and pipeline is scheduled to be completed by 2019.

Accordingly, the GAIL (India) Limited has submitted proposal for diversion of Forest Land over an area of 6.2582 Ha. along with Non-Forest Land is involved over an area of 260.6627 Ha. under Gondia, Bhuban, Kamakhyanagar, Parjang and Dhenkanal Tahasil of Dhenkanal District.

Land particulars of the Project

The total requirement of Forest land for the above Project is 6.2582 Ha. Non Forest land is 260.6627 Ha. which are coming under the Sadangi, Bhuban, Kamakhyanagar West, Mahabirod and Dhenkanal Range of Dhenkanal Forest Division. Accordingly, the detail status of Forest Land & Non Forest Land are categorically furnished below.

Name of the Division	Forest Land (in Ha)		Non Forest Land (in Ha)			
	Name of the Revenue Forest Land	Total	Govt. land	Pvt. Land	Total	Grand Total (in Ha)
Dhenkanal	Bega Reserve Forest = 0.2584 Ha. Revenue Forest = 5.9998 Ha.	6.2582	39.00	221.6627	260.6627	266.9209

Justification for locating the project in forest land.

The criteria for route selection are:-

- Optimum distance between source of supply and consumer location (demand points).
- Avoidance of Wildlife Sanctuaries, involve small patch of Reserve Forest, avoidance of Mining area and defense establishment to the best possible.
- Avoidance rocky marshy and low-lying areas.
- Safety of people and environment.
- Easy access to route during construction and operation.

The route was selected based on least disturbance to environment, forest, human habitation and aquatic bodies. It avoids National Parks and Wild Life Sanctuaries.

The selected route is optimized considering the above factors and connectivity between supply source and consumer location.

Compensatory Afforestation

The following Forest Land is involved against the project:-

Sl. No	Name of the Division	Forest Land (in Ha.)
1	Bhadrak WL	0.9871
2	Rajnagar WL	0.3662
3	Khurda	0.1005
4	City Forests	0.189
5	Cuttack	4.3262
6	Dhenkanal	6.2582
	Total	12.2272 Ha.

Hence, 12.2272 Ha. \times 2 = 24.4544 Ha. Degraded Forest Land is required for Compensatory Afforestation against the above linear project. Accordingly, Degraded Forest Land over an area of 26 Ha. in Pachhikote DPF of Jajpur Road Range under Cuttack Forest Division has been identified for Compensatory Afforestation in respect of GAIL (India) Project as reported by the Divisional Forest Officer, Cuttack Forest Division vide his Memo No.1764(5) dt.28.02.2020. The Compensatory Afforestation Scheme is required to be submitted by the Cuttack Forest Division.

Tree Enumeration

The tree enumeration list in Revenue Forest Land is enclosed with the Forest Diversion Proposal. As per tree enumeration list, **422** trees in Revenue Forest land have been enumerated by the User Agency yet to be authenticated by Revenue Authority. The canopy density of vegetation has also been furnished in the Part-II of the Diversion Proposal.

Model Certificate under FRA 2006

The User agency has applied for the model certificate to the Collector & District Magistrate, Dhenkanal under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 and accordingly, the User Agency has furnished the Undertaking to submit the same after receipt from the respective authority. The Undertaking has been enclosed along with the Forest Diversion Proposal.

Maps

In pursuance to the Guidelines issued by GoI, MoEF & CC vide letter F No.11-9/98-FC Dated 08.07.2011, the User Agency has furnished all DGPS Maps for the Forest area, so involved in the project duly certified by ORSAC and authenticated by the concerned Tahasildars are enclosed in the Diversion Proposal in separate plate.

Position of Displacement of People and Rehabilitation if any

No displacement is involved in the project area. So rehabilitation plan is not required.

Cost Benefit Analysis

The cost benefit analysis is not required as the forest area proposed for diversion is less than 20 Ha. as clarified in **Annexure-III at Page-101 of Handbook of Forest (Conservation) Act, 1980 and Forest Conservation Rules, 2003 (Guidelines and Clarification)** published vide F.No-5-2/2017-FC dt.28.03.2019 of the GoI, MoEF & CC as applicable from dt.8th March 2019 onwards.

Flora And Fauna

The common species of Flora and Fauna which are noticed in the Forest Area proposed for Diversion in respect of Dhenkanal Forest Division are furnished in the Part-II enclosed in the Diversion Proposal in details.

Net Present value

The vegetation is Dry deciduous & comes under (Eco class -III) with canopy density less than 0.4. Accordingly the User Agency has furnished an undertaking to bear the cost of NPV as required for the project which has been enclosed with the Forest Diversion Proposal.

Violation

Violation noticed. The works under Gondia Tahasil has already been completed. The works under Bhuban and Kamakhyanagar Tahasil are started and under progress. Due to completion of work in Bega Reserve Forest, the field functionary of Sadangi Range has booked an OR Case No.158^S of 2019-20 on dt.16.01.2020. The User Agency shall comply under Rule 1.14 and 1.21 of Chapter-I of Handbook of Forest (Conservation) Act, 1980 and Forest Conservation Rules, 2003 (Guidelines & Clarifications).

Recommendations

The proposed Forest Area in respect of Dhenkanal Forest Division for diversion i.e. 6.2582 Ha. will facilitate supply of LPG Gas for which the fuel wood can be reduced along with transportation cost as well as control the air and noise pollution.

In this connection, 5 (Five) sets of Diversion Proposal are submitted herewith for favour of kind information & necessary action.

[Signature]
13.03.2020
Divisional Forest Officer
Dhenkanal Division

Memo No 2747 /dt. 13.03.2020

Copy submitted to the Principal Chief Conservator of Forests, (Forest Diversion) & Nodal FC Act, O/o the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar for favour kind information and necessary action.

[Signature]
13.03.2020
Divisional Forest Officer
Dhenkanal Division

Memo No 2748 /dt. 13.03.2020

Copy submitted to the Collector & District Magistrate, Dhenkanal for favour kind information and necessary action.

[Signature]
13.03.2020
Divisional Forest Officer
Dhenkanal Division

Memo No 2749 /dt. 13.03.2020

Copy forwarded to the Divisional Forest Officer, Cuttack Forest Division for favour kind information and necessary action.

[Signature]
13.03.2020
Divisional Forest Officer
Dhenkanal Division

Memo No 2750 /dt. 13.03.2020

Copy forwarded to the General Manager (Const.), Jagadishpur-Haladia-Bokaro-Dhamara Gas Pipe Line Project, Gail(India) Limited, 612, Utkal Signature, Pahal, NH-5, Bhubaneswar, Odisha-752101 for information and necessary action.

[Signature]
13.03.2020
Divisional Forest Officer
Dhenkanal Division

*Received
Proposals*