

Full Title of the project:-

Proposal for Diversion of **0.6274** Hectare of Forest Land (0.1899 He in Begusarai Forest Division, 0.1275 He in Saharsa Forest Division, 0.2170 He in Purnia Forest Division and **0.0930** he in Araria Forest Division) for laying 24" dia natural gas pipeline along with OFC from Barauni in Begusarai District of Bihar State to Guwahati in Assam State via West Bengal.

File No.:**CHECKLIST SR. No. 4****NOTE ON PROJECT****INTRODUCTION:-**

GAIL (India) Limited, a Maharatna Company, under the aegis of Ministry of Petroleum & Natural Gas, Govt. of India, has engaged in transportation and distribution of Natural gas to various Fertilizer, Power, Steel, Petrochemical Plants, Industrial Units and also facilitate Natural Gas in the form of CNG and PNG. Presently GAIL is having a huge pipeline network of more than 13000 Km across India. GAIL is contributing a major role in India's energy requirement & distribution through continual expansion of its pipeline network.

Further GAIL (INDIA) Limited has been authorized by Govt. of India vide Letter No. Infra/NGPL/124/GAIL/ JHBDPL/01/18.dtd 02.02.2018 to Lay, Build and Operate Natural Gas pipeline from Barauni in Begusarai District of Bihar State to Guwahati in Assam State via West Bengal. In line of Authorization GAIL has proposed to lay a 24"dia Natural Gas pipeline of carbon steel along with OFC. The length of whole pipeline is approx. 710 Km approximately.

The proposed pipeline will passes through Begusarai, Saharsa, Purnia and Araria forest divisions in Bihar State. For ROU purpose 5.0 mtr width of forest strip is proposed for laying pipeline

PROJECT OVERVIEW:-

The proposed project include approx 710 km of underground natural gas pipeline network with associated facilities such as SV/Tap off/ metering/receiving/dispatch/intermediate pigging/ compressor stations at an estimated cost of **Rs. 3308 Crores**.

As a consequence of rapid rate of industrialization in India, fuel needs are increasing at an equally rapid rate and the supply – demand gap is widening and steps must be taken to address the issue.

Overland transport of fuels by trucks is uneconomical, unsafe and is a contributor to environmental degradation in terms of pollutants released by vehicles in transit and by accidents and spillage.

Pipelines are internationally recognized as the preferred alternative for transport of fuel for safety, economy and environmental friendliness.

Natural gas is used in a variety of applications such as feed stock in fertilizer, petrochemical industry and as fuel in power generation, manufacturing steel, textile, ceramic, glass and other industrial products. As a fuel natural gas competes with alternative products such as coal, lignite

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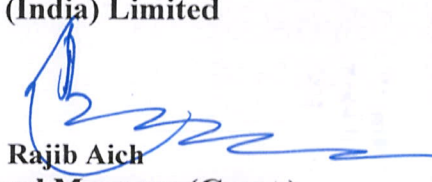
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and petroleum products such as liquefied petroleum gas, naphtha, high speed diesel, light diesel oil and fuel oil. However due to lower fuel operating cost and better combustion characteristics, natural gas has distinct economic advantage over other sources of energy. In addition, natural gas has substantial environmental advantage over other energy sources due to lower emissions.

Date:

Place:

M/s GAIL (India) Limited


Rajib Aich

Dy. General Manager (Const.)

& ENGINEERING IN-CHARGE

BARAUNI-GUWAHATI PIPELINE PROJECT

GAIL (INDIA) LIMITED

GUWAHATI