

# **PRE-FEASIBILITY REPORT**

## **Pre-Feasibility Report for Onshore Oil & Gas development drilling and production in North Hapjan-Tinsukia-Dhola area in Tinsukia District, Assam**

### 1.0 PREAMBLE:

OIL INDIA LIMITED (OIL), a Government of India Navaratna Enterprise, is currently engaged in carrying out hydrocarbon exploration, development, production and transportation activities in its operational areas in Upper Assam, South-Eastern part of Arunachal Pradesh and Mizoram (or Assam, Arunachal Pradesh and Mizoram) in the North Eastern part of India. OIL is also undertaking hydrocarbon exploration activities in few other Indian states and few overseas countries.

Govt. of India and Assam State Govt. has awarded Petroleum Mining Lease(PML) namely;Tinsukia Ext., Hugrijan, Borhapjan, Baghjan and Dumduma PMLs to Oil India Limited in Tinsukia districts for exploration and development of oil & gas.

The North Hapjan-Tinsukia-Dhola project area is located in the North eastern part of OIL's operational area in Upper Assam Basin. The area covers the established Miocene-Oligocene-Eocene (Tipam-Barail-Lakadong-Langpar) oil and gas fields of Jorajan, part of East Zaloni, Madhuting, Makum, Hapjan, Borhapjan, Kusijan, Bogapani, and other Eastern Satellite Fields. The area is extensively covered by seismic surveys, both 2D and 3D. This area contributes to a large extent on the producing fields of Upper Assam basin.



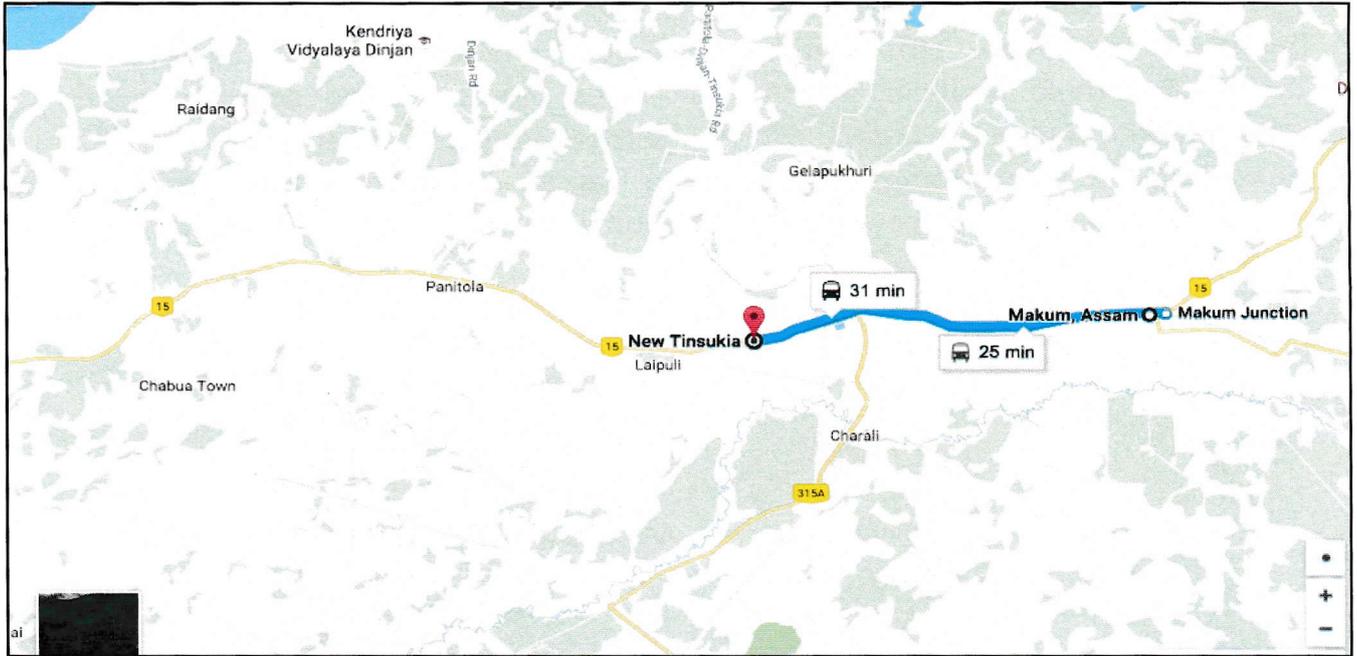
Oligocene	Barail	Barail Argillaceous/Coal Shale Barail Main Sand
Eocene to Upper Paleocene	Kopili Narpuh Lakadong+Therria	Kapili Alternations Shale with siltstone Glaucconitic fine/med grained sandstone and shale
Paleocene	Langpar	Medium to Coarse grain Sandstone
Precambrian	Basement	Crytstalline granite, metamorphics.

**Operational Feasibility for Drilling in the North Hapjan – Tinsukia – Dhola area:**

The North Hapjan – Tinsukia – Dhola area is located in the north-eastern part of the OIL’s operational area in Assam. The overall topography within the said area is plain and covered with agricultural as well as tea gardens. The identified locations falls in the Tinsukia Extension, Hugrijan, Borhapjan, Baghjan and Dumduma PMLs .

The Bherjan (1.05 sq.km.) WLS and a part of the Dibru-Saikhowa National Park ESZ is within the block area.

The project area is located adjacent to the Brahmaputra River and is spread over 650 sq km in the district of Tinsukia, Assam. Nearest railway station is at Tinsukia. Tinsukia District is bounded by Arunachal Pradesh in the southeast, by Dibrugarh District in the southwest and by Dhemaji District, which is separated from Tinsukia District by the mighty river Brahmaputra, in the north. The district is known for its tea production, and wood related products. Besides the wood industry, businesses dealing in garments, electronics, hardware for tea industry form the commercial base of the city. The district Headquarters at Tinsukia is well connected by air, National Highway and railway. It is only 532 km by road from the State Capital Dispur, Assam.



**Rail Map**

The proposed locations are on an average 20 – 25 km from Tinsukia. Tinsukia falls under Northeast Frontier Railway of Indian Railways. It is also one of the divisional headquarters of NF Railway. The nearest Airport is at Mohanbari, Dibrugarh, which is about 40 km from Tinsukia and well connected to and from Guwahati, Kolkata and Delhi.

**Accessibility to the proposed locations:**

Motorable village roads are available which may require further re-enforcement prior to preparation of plinth area and carrying out of operational activities. Some of the roads are crossing nullahs, rivulets etc. which will need construction activity to access the identified drilling locations and to make it suitable for mobilization of drilling rig & its associated service packages.

Dibrugarh Airport will be around 40 km from Tinsukia.

**Economic Feasibility:**