

SUMMARY OF PROJECT

Khagarijan EC Block

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

This EC block covers seven (3) Petroleum Mining Leases (PML) namely Tinsukia PML, Tinsukia Extension PML and Chabua PML, awarded by Govt. of India and Assam State Govt. to Oil India Limited for exploration and development of oil & gas in Dibrugarh & Tinsukia districts.

Khagarijan oilfield is a part of the Tinsukia PML area located in Dibrugarh District of Assam. The Khagarijan EC block area is located in the North eastern part of OIL's operational area in Upper Assam Basin and located to the south of the Brahmaputra River.

The Khagarijan oilfield is included within the depositional plains of the River Brahmaputra and its tributaries. Physiographically, the field can be classified as Low-lying alluvial plain area. Upper Assam Basin is a proven petroliferous basin which represents a classic example of passive continental margin that evolved simultaneously with other east coast basins of India concomitant with rifting followed by drifting of the Indian Plate from eastern Gondwanaland and its subsequent subduction underneath the Burmese and Eurasian plates. The basin has thrust margins on three sides: to the south the Naga Hills Thrust Belt and Manipur Ophiolite Belt; to the east and north the Main Frontal Thrust

of the Himalayas, which was active from the mid-Miocene to present day, bends around the Assam Syntaxis.

The area covers the established Eocene (Lakadong-Langpar) oil and gas fields of Khagorijan, East Khagorijan and Nadua area. Both 2D and 3D seismic survey has been carried out by OIL in this area. This area contributes to a large extent on the producing fields of Upper Assam Basin.

Oil India Limited is presently producing crude oil from the East Khagorijan and Nadua area which is under Dibrugarh district of Assam. In order to further enhance production activities in the said area, OIL proposes to drill additional ten (10) nos of exploratory well and forty four (44) number development wells along with construction of production facilities in Tinsukia, Tinsukia Ext., Chabua PML's covering a project area of around 405 Sq km. Two FGGS/EPG/OCS are also planned near Khagorijan and Nadua area. In the event of successful completion of drilling of the additional wells, it is expected to further augment the production of crude oil from the said block. Around 5 MMT (STOIP) has been estimated in this area covering in Langpar and Lakadong+Therria with 250 MMSCM gas (STOIP). Accordingly, the state of Assam will also be benefitted in terms of Royalty payment from Oil India Limited.

The Khagorijan oilfield of Oil India Limited (OIL) covers approximately 405sq. km area and is located in Dibrugarh and Tinsukia districts of Assam within the Assam-Arakan folded belt. The field is located to the south of the Brahmaputra River. NH 37(AT road) is the most prominent road in the region. The road runs through the southern side of Khagorijan oilfield, in an East to West orientation. This road connect Tinsukia town located in the south eastern corner of the Field, with Dibrugarh town located on the South Western side, outside the Field. The Northern side of the block is not easily accessible due to the stretch of Brahmaputra River on the West and Dibru-Saikhowa National park in the

stations within the block and are located at the Dibrugarh-Guwahati line of North East Frontier railway whereas Dibrugarh Airport is located within the Khagarijan EC block. Additionally, there are two Air Force bases within the field located at Chabua and Dinjan.

River Brahmaputra flows from the north eastern side to south western side. The channels traversing through the EC block are Dibru River, Dinjan River etc. Padumoni forest segment (7.54Sqkm) which is a part of Borjan-Bherjan-Padumoni (BBP) WLS (37.89 Sqkm) is located at the eastern side of the block within the block boundary. Biogeographically, the region exhibits the properties of both the Indian and Malayan Sub-regions. Under the classification of Wild Life Institute, Dehradun, this area falls within North Eastern India Brahmaputra valley Bio-geographical province.

Many tea gardens are present within the Field and are mostly located at the central and western side of the Field. Apart from the commercial tea gardens household tea cultivation is also common in the area.

The Field primarily comprises of rural area with agricultural lands, settlements and homestead plantation. The Field is included under the existing oil and gas producing area of OIL.

Date:

Place: Duliajan

24/12/2017

Acharya
24/12/17

(A.K.Acharya)

Chief General Manager (HSE)

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