

## **Play Concept, Proven and Potential Prospects of Irrawaddy Delta Basin**

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### **ABSTRACT**

The Irrawaddy Delta Basin (IDB) is located in the southern part of the onshore Myanmar Tertiary Basin. The basin is bounded in the west by Rakhine Yoma, in the east by Bago Yoma, and in the south by offshore Gulf of Moattama. It is located approximately between latitude 15° 40' - 18°40' N and longitude 94° 40' - 96° 00' E and occupies an area of about 35,000 square kilometers. The evolution of IDB is related to plate tectonic movement of the Indian and Myanmar plates. There are two Pre-Miocene basements high, namely Myaungmya High (Western Basement High) and Inner Volcanic Arc (Eastern Basement High). The IDB can be grouped together into three structural trends of different ages, ranging from Pre-Miocene to Pleistocene which intersects in the south of Prome area and the different directions of structural trends cause the fan-shaped opening of the IDB from Prome towards the offshore area.