

Greetings from the Government of Tripura

2nd North East Mining Ministers' Conclave

Overview of Mining Operations and Potential Areas for Exploration in Tripura



Tripura At A Glance

Geographical Location



Key Statistics



Geographical Area
10,491 sq.km



International Border
856 km



Population (2011 census)
36.74 Lakhs



Literacy Rate
95.16%



**% of Scheduled Tribes
Population**
31.80%



**% of Scheduled Caste
Population**
17.80%



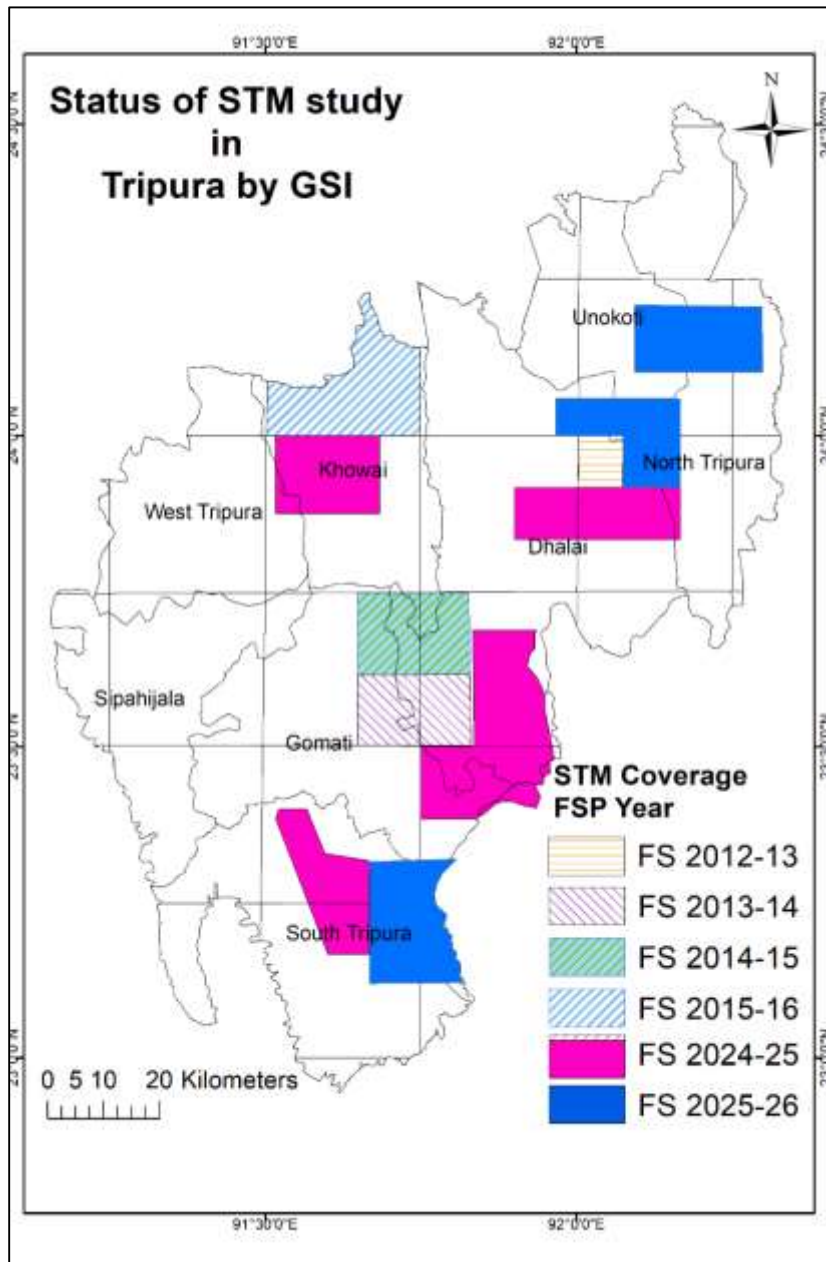
Forest cover
60%



**Cultivable land as % of total
geographical area**
26%

Geological Activities in Tripura

- Most of the geological data in the state are being generated by GSI Tripura & Mizoram Unit, CGWB, ONGCL & OIL.
- Systematic Geological Mapping (SGM), Specialized Thematic Mapping (STM), and Geochemical Mapping (NGCM)
- Resource estimation - Clay (370 MT), Silica Sand (490 MT), Hard Rock (1 million cubic meter)
- District Resource Mapping for Dhalai, North Tripura, South Tripura, and West Tripura.
- Landslide and earthquake studies – 86 landslide points identified; earthquake monitoring with real-time seismic observatories.

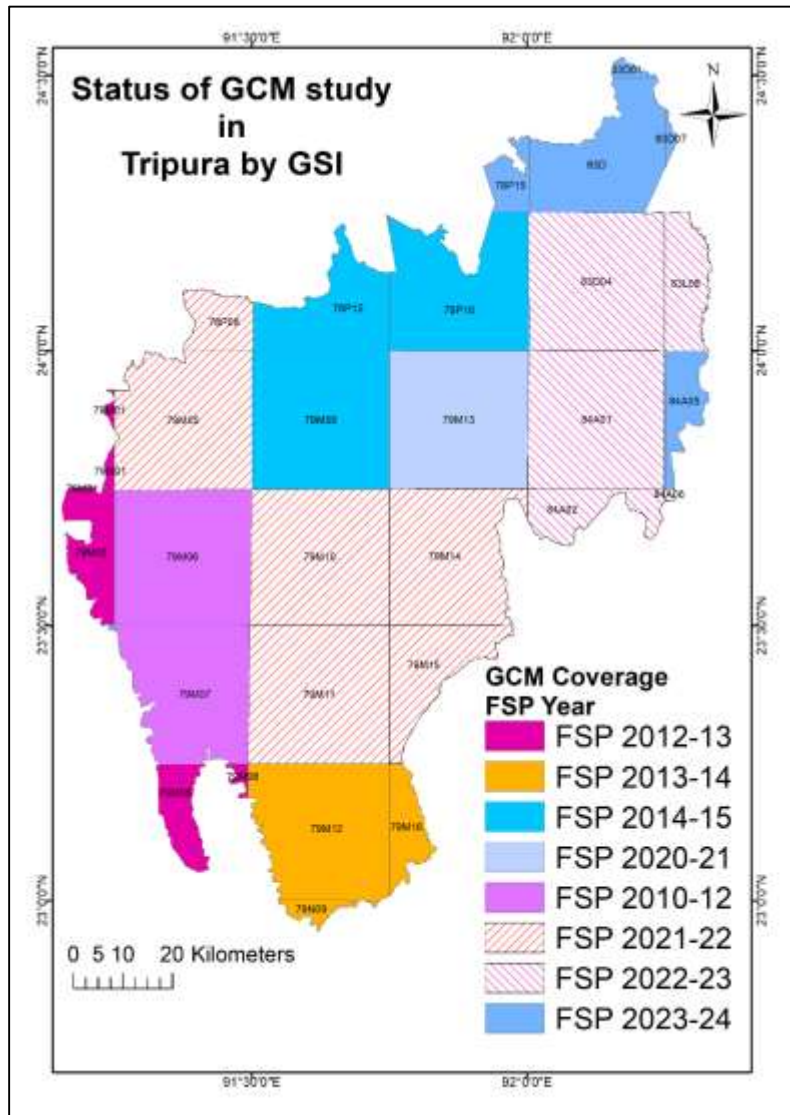


Specialized Thematic Mapping (STM) Tripura State

- A total of 100 sq km was mapped and detailed work on the occurrences of coal and lignite at Doluchhara, Chiching Chara, south of Chiching Chara and Bindularkarbari were carried out.

GSI and Oil India Ltd in 2025-26

- 1) Specialised Thematic Mapping in Patichhari and Bagmara area, parts of south Tripura and Gomati district for reappraisal of lithostratigraphy and sedimentary basin evolution and to identify probable zones suitable for hydrocarbon occurrence.
- 2) Specialised Thematic Mapping in Manu area, parts of Dhalai, North Tripura and Unakoti districts, Tripura for reappraisal of lithostratigraphy and sedimentary basin evolution and to identify probable zones suitable for hydrocarbon occurrence.
- 3) Specialised Thematic Mapping in and around Laljuri and Nalkata area, North Tripura district, Tripura to delineate the Glauconitic Sandstone horizons within the Tipam and the Surma group of rocks.



National Geochemical Mapping (NGCM) Tripura State

- Geochemical map for the state of Tripura, has been carried out since 2005.
- Geochemical database for 68 elements which could be utilized for agriculture, medical & geo-environmental related issues has been generated.
- 100 % NGCM coverage for the state of TRIPURA has been completed in 2024.

Natural Resource Assessment in Tripura

Natural Resource Assessment in Tripura has been done in the following fields:

Limestone investigation

Limestone Investigation Projects in Sakhan range, and **Jampui Range, North Tripura district, Tripura state.**

Glass sand investigation

Glass sand Investigation Projects in Darsharambari village, Mohanpur and Iyiohanpur areas West Tripura district.

Clay Investigation

Clay Investigation Projects have been carried out in Sekerkut, Sadar and Sonamura sub-divisions, Bagma area, Takarjaia area and Kumarghat areas of Tripura.

Ongoing Projects for FS 2024-2025

Reconnaissance survey for REE and associated mineralization in Plastic clay in and around Kumarghat area of Tripura(G4).

Upcoming Projects for FS 2025-2026

Reconnaissance survey for REE and associated mineralization in plastic clay in and around Bishramganj area of Tripura (G4).

Geological Quadrangle Map

- The State of Tripura comprises of Five-Degree sheets, viz. 78P, 79M, 79N, 83D and 84A.
- Compilation of geological quadrangle maps of Tripura state is completed.

District Resource Map

GSI have published The District Resource Maps (1:250,000 scale) for the erstwhile 4 districts of Tripura (Dhalai, North Tripura, South Tripura, West Tripura). These maps will be useful for *developmental, educational and societal needs* of the common mass.

Ongoing Projects FS 2024-2025

Preparation of DRM for 8 districts of Tripura in Arc GIS platform is under process and will be completed by 2025.

Geological Map & District Resource Map

- Minor minerals such as Limestone, Clay, Glass Sand, and Silica Sand have been identified in Tripura.
- As of date, riverbed sand mining is the only minor mineral mining available in Tripura.
- A total of 427 Sand Mining Plans have been approved in Tripura.
- The revenue generated from sand mining activities range from 5 to 6 Crores per year.

Mining Activities in Tripura

Potential Areas for Future Exploration

- GSI investigations indicate presence of:
 - Limestone in various districts
 - Glass Sand and Clay deposits with commercial viability under study.
- Continued geochemical and lithostratigraphic studies being undertaken to understand the presence of mineral.
- Potential for future collaborative exploration through centrally funded schemes are being planned.
- Focus on refining data sets for minor minerals and natural gas reserves is one of the priority.

- Tripura Minor Mineral Policy 2025 was approved in the Cabinet meeting on 17th June 2025.
- Under new policy State Mineral Exploration Trust (SMET) and District Mineral Foundation Rules (DMF) will be established.
- Auctioning of the Mineral Blocks will be done.
- Necessary rule and steps to control illegal mining will be taken up.
- Initiative for ITI based training program & skill development for youth in mining sector will be taken up.

New initiatives in Mineral Sector – Tripura

Ongoing Activities in Hydrocarbon Sector

Tripura, though not rich in conventional mineral deposits, holds significance for its natural gas reserves.

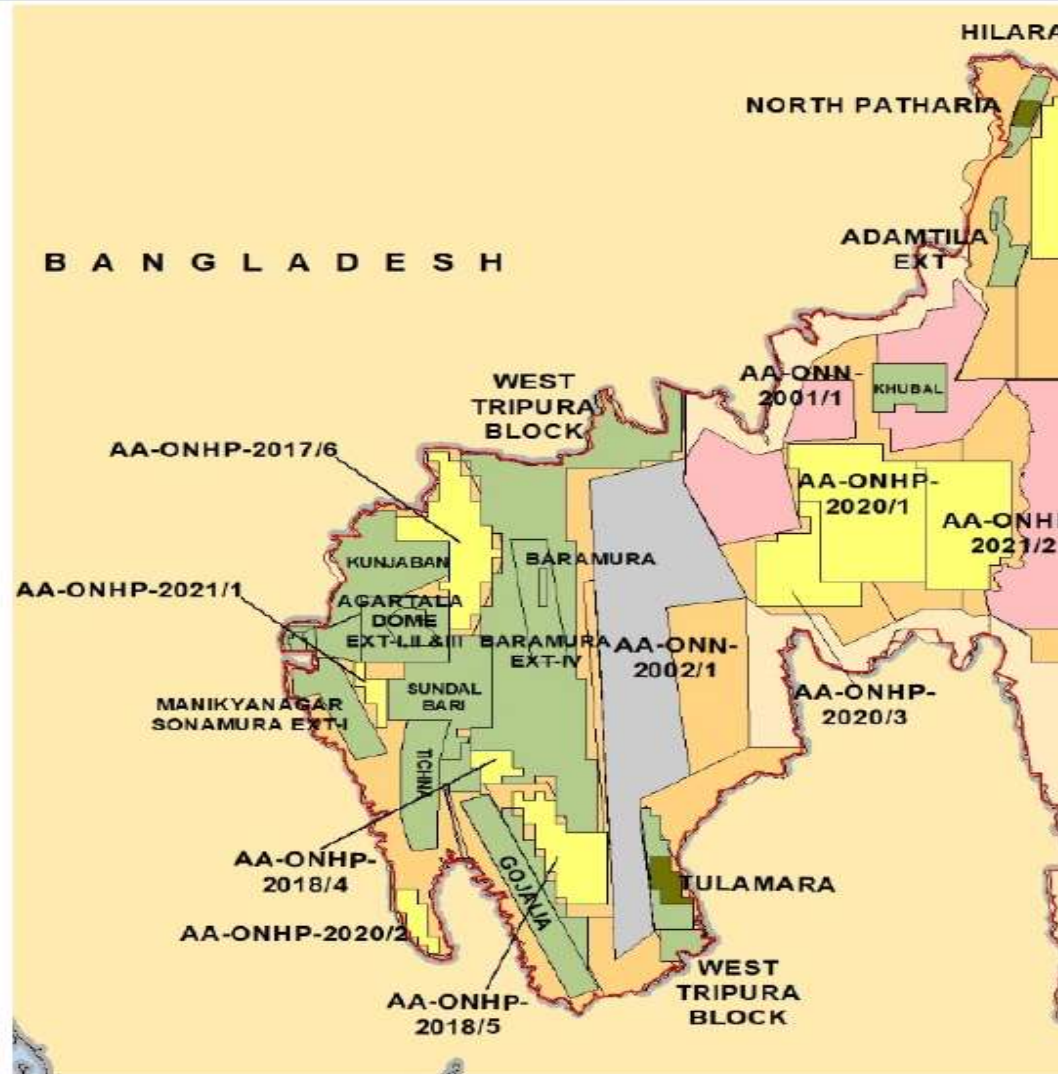
Natural Gas is the most potential mineral resource of the State making presence of major Ratnas of India like ONGCL GAIL, IGGL, IOCL, TNGCL and AGCL in land of Tripura.

Natural Gas Exploration is carried out in 30 E&P blocks, covering ~50% of state area.

The present production of Natural Gas is 4 to 4.5 MMSCMD.

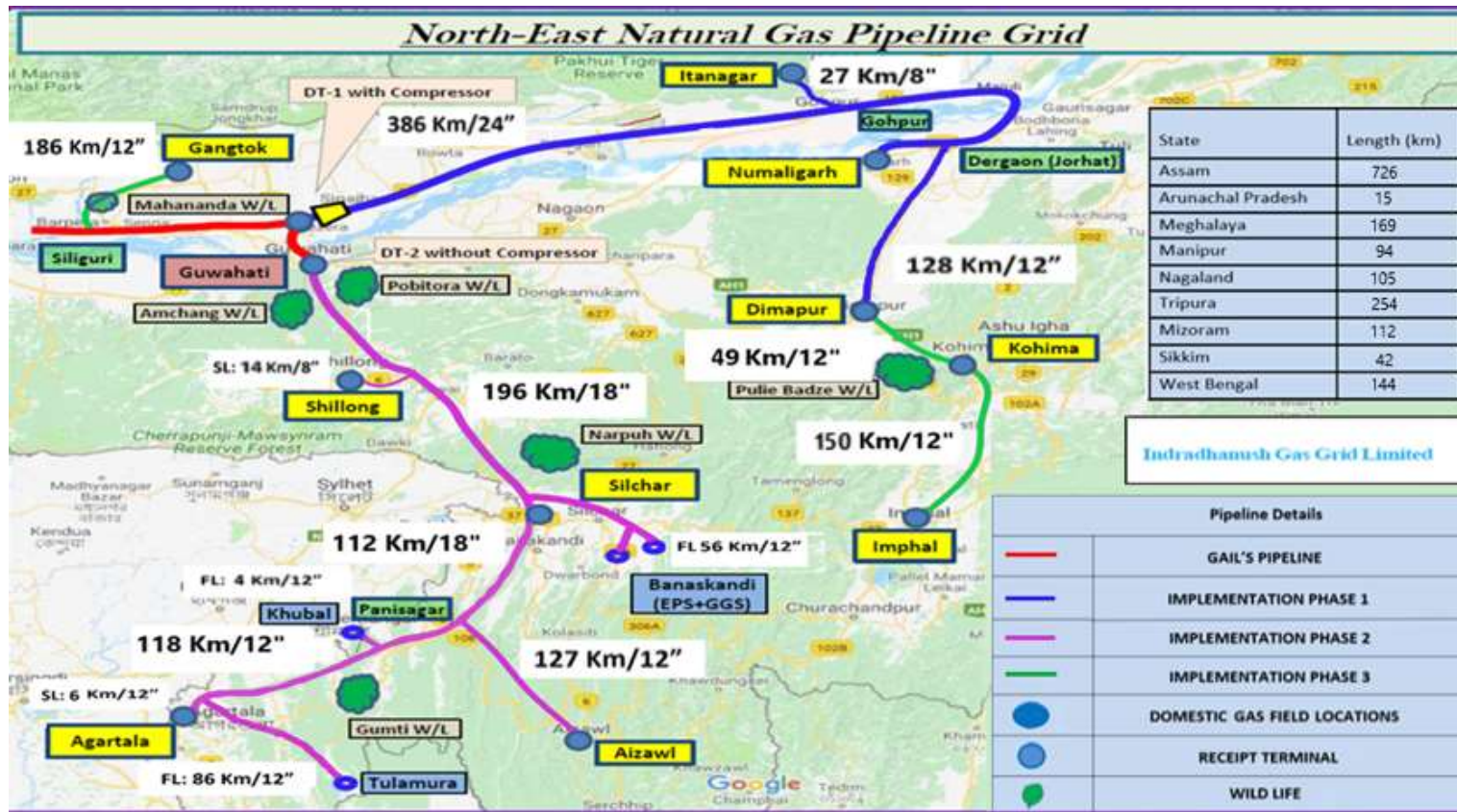
Tripura is power surplus State and exports power to Bangladesh. The production of TPGL is 115MW and OTPC is 726MW and are running on natural gas.

MAP OF ACREAGES IN TRIPURA



LEGEND	
PEL Area (Nomination & PSC)	
	ONGC as Operator
	OIL as Operator
	Private Company as Operator
PML Area (Nomination & PSC)	
	ONGC as Operator
	OIL as Operator
	Private Company as Operator
	OALP Awarded/Offered Area
	DSF Awarded Area
Relinquished Area	
	Onshore
	Basin Boundary

Highlights of IGGL in Tripura



Northeast Gas Grid has 254 km long pipeline connecting Tripura with Numaligarh Refinery

- IOCL is making Grass root Depot at Sekerkote (Agartala), with 20.6 TKL Product tankage, with full rake (52) Bogie Tank Petrol & Naphtha (BTPN) Tank Wagon receipt facility.
- The total project cost is 656 crore.
- The depot, constructed on approx. 7 acres, has a storage capacity of 5440 KL.
- As of date the physical progress achieved in Project is 45.1% till date.

**Bulk Depo-
Indian Oil
Corporation
Ltd-(IOCL)**

Way Forward – Tripura's Role in Mining Sector

- Transfer and implement the Tripura Minor Mineral Rule 2025 (approved June 2025).
- Complete North East Gas Grid pipeline (93% complete in Tripura, to finish by December 2025) and IOCL Bulk Depo.
- Utilize Tripura's high literacy and 10-11 lakh youth population to provide skilled manpower.
- Propose ITI-based training programs for mining and drilling trades under Ministry of Mines and Ministry Petroleum and Natural Gas.
- Position Tripura as a hub for indirect contribution to the mining sector through skilled manpower and generate employment.

REQUEST:

- Training maybe provided to state geology and mining related officials for implementing new amendments and technology at the state level.
- A high level monitoring committee may be formed to utilize oil and natural gas data specially seismic data in mineral exploration sector.



THANK YOU!