



CGD Network –Road Map in NE

Infra Development and Gas

Network Connectivity

Presented by:

Mr. Jayanta Narayan Das
GM (Marketing, RA & BE), IGGL

Date: 23.01.2025

North Eastern Region: A Prominent Energy Hub



Energy Contribution

Produces ~10% of India's natural gas and crude oil.



Potential Impact

Could be a gamechanger for Viksit Bharat by 2047.

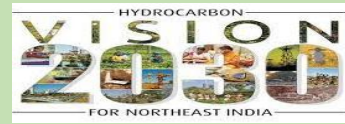


Vision Document for North East

Hydrocarbon Vision 2030 for gas-based economic development.



Indradhanush Gas Grid Limited



HC Vision 2030 for NE

09.02.2016



MOU signed

03.02.2018



NITI Aayog's approval

19.06.2018



JV Agreement

20.07.2018



JV Registered

10.08.2018



Foundation Stone

09.02.2019



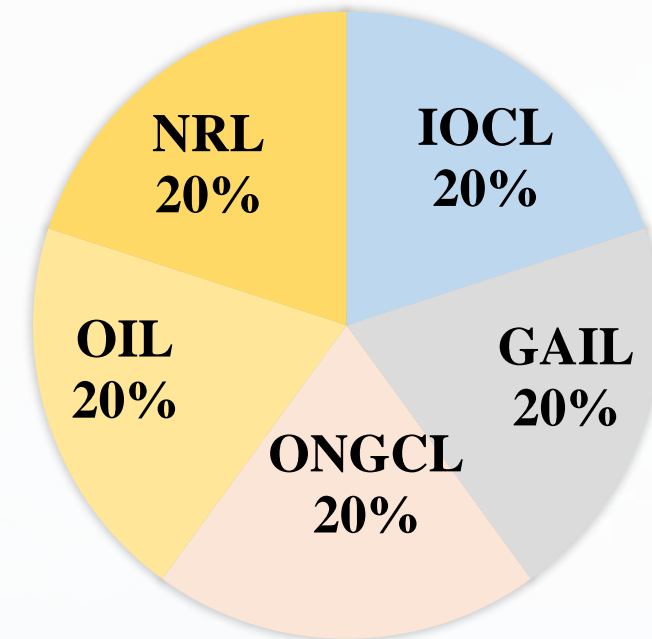
VGF Approved

08.01.2020



PNGRB Authorization

17.11.2020



1670 Km

pipeline length

IGGL will develop trunk pipeline in all North Eastern states, i.e, Assam, Sikkim, Mizoram, Manipur, Arunachal Pradesh, Tripura, Nagaland and Meghalaya.

About North-East Gas Grid



1

Phase-I : 553 Km

Guwahati-Numaligarh-Gohpur-Itanagar, Dergaon- Dimapur, ONGC FL

2

Phase-II: 723 Km

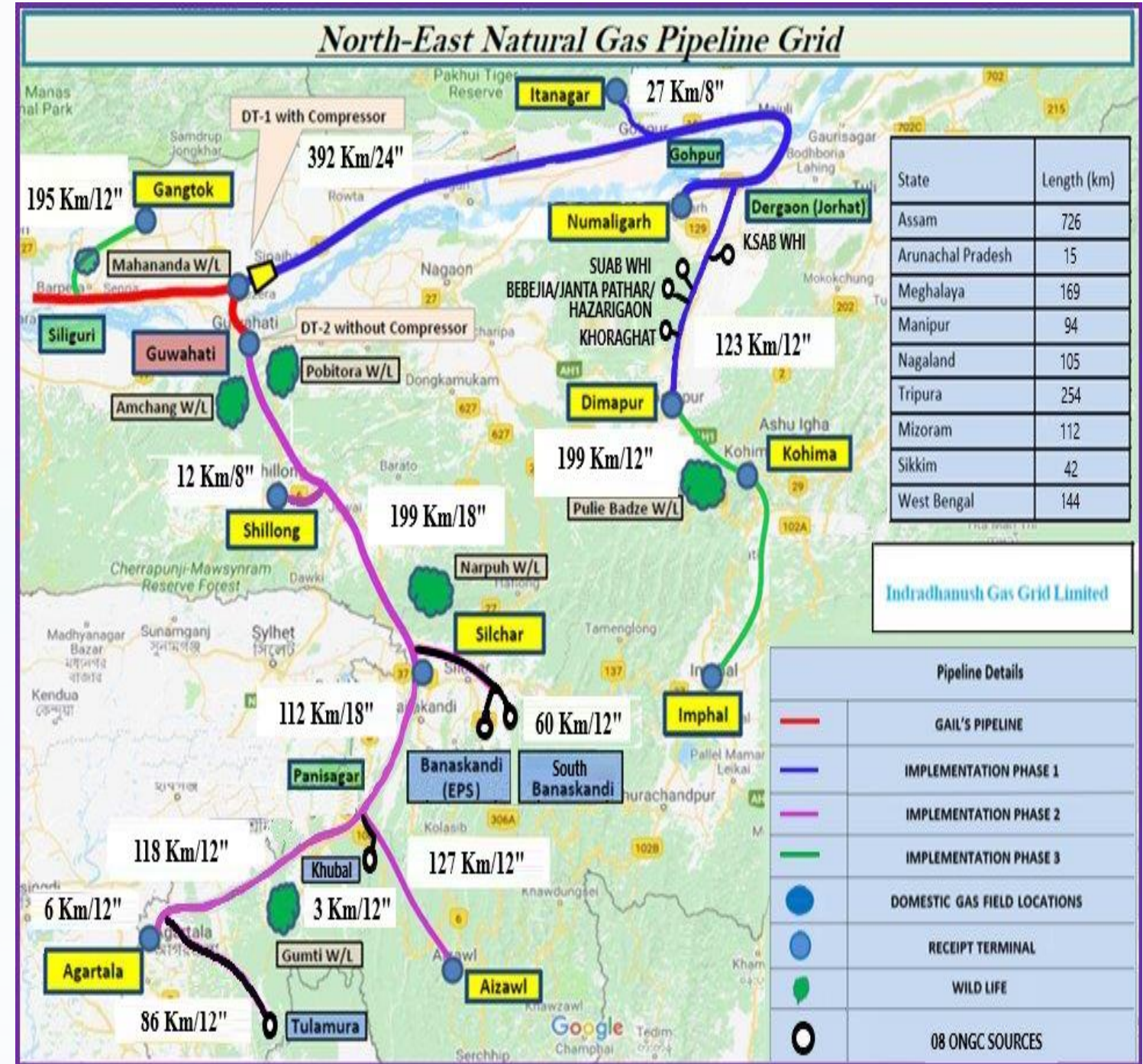
Guwahati-Shillong-Silchar, Silchar-Panisagar, Pan-Agartala, Pan-Aizawl, Tulamura, Baramura & Palatana FL, NEEPCO SL

3

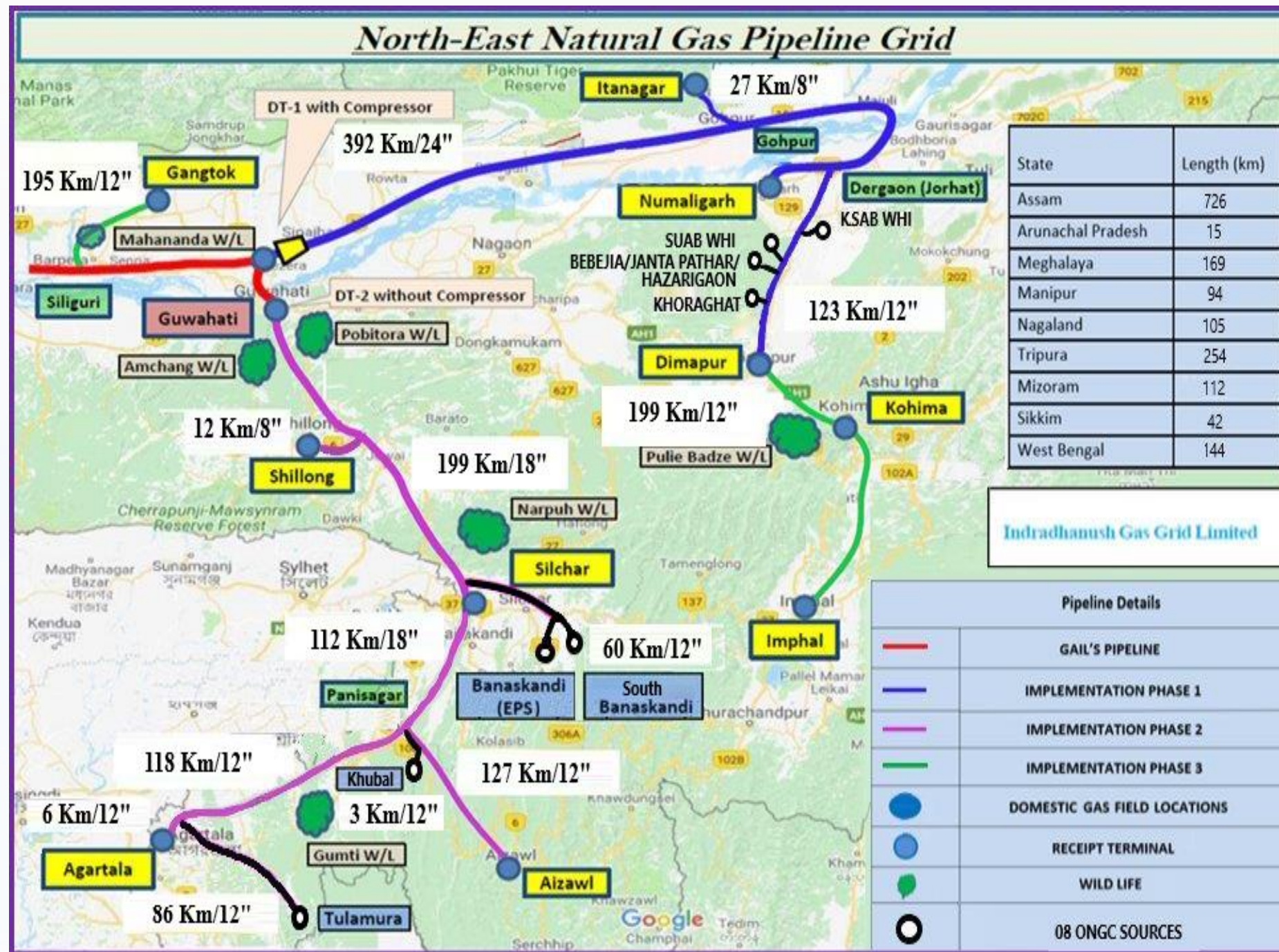
Phase-III: 394 Km

Dimapur-Kohima-Imphal, Siliguri-Gangtok

Total Length: 1670 Km
Capacity: 4.75 MMSCMD,
Project Cost: Rs 9265 Crore



North-East Gas Grid: Present Status



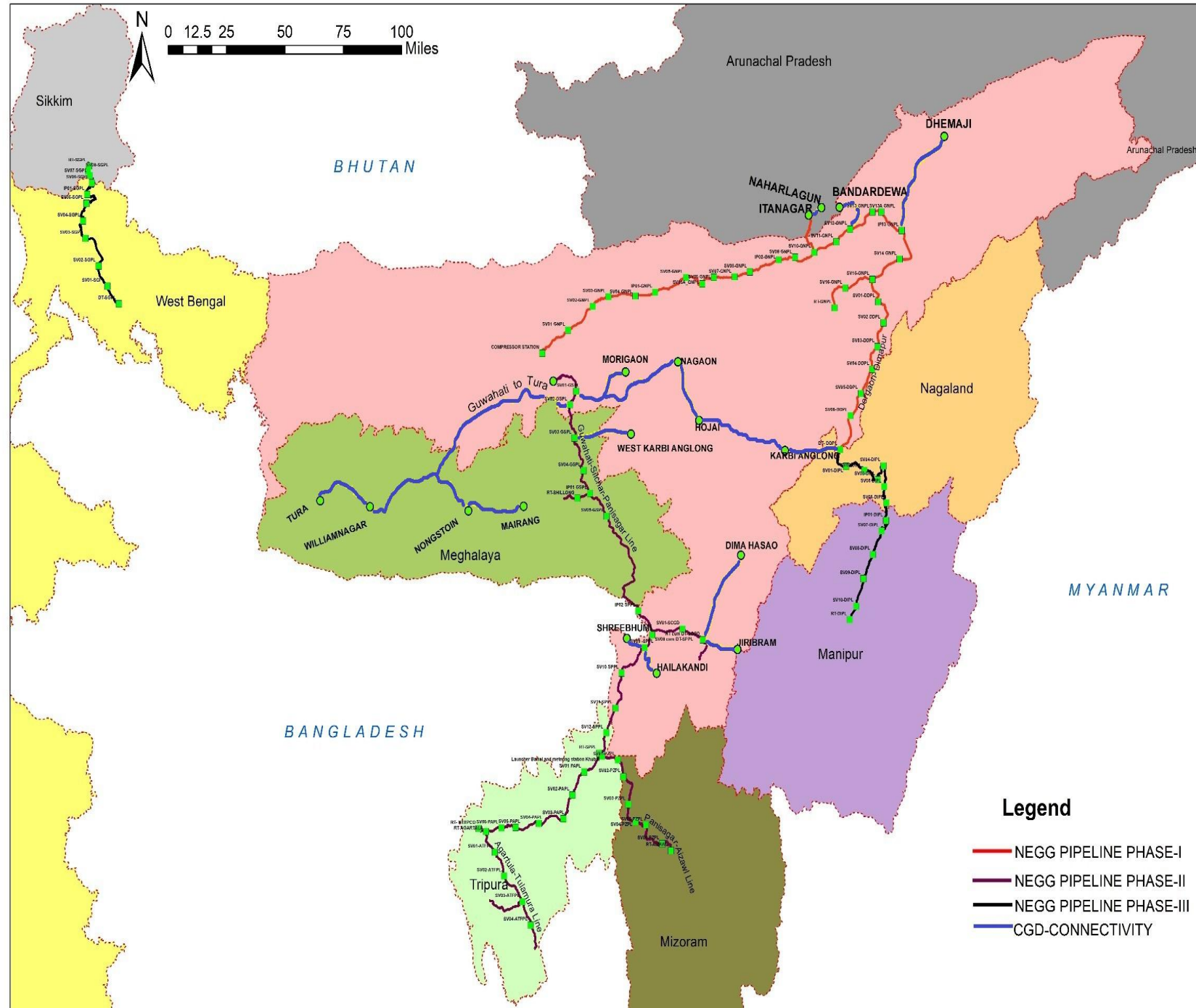
Description	Status
Physical Progress (Sch./Act. in %)	90.30/83.98
Financial Progress (Sch./Act. in %)	66.20/61.09
Actual Expenditure (Rs Cr.)	5660
Commitment (Rs Cr.)	8074
Welding/Lowering (Km)	1046/940
Anticipated completion	Phase-I: Mar'25 Phase-II: Mar'27 Phase-III: Mar'27

NEGG Connectivity with CGD Consumers



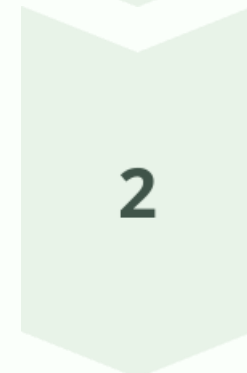
CGD Consumer	GA	Status
AGCL	Upper Assam CGD	Under Discussion
ATGL (11.02)	Nagaon, Morigaon, Hojai, Karbi Anglong, Dima Hasao, West Karbi Anglong CGD	Under Discussion
NEGDCL (11.03)	Mangaldoi, Udalguri, Sonitpur, Biswanath, Lakhimpur & Dhemaji	Hookup signed for Sonitpur Mangoldoi.
	Dhalai, Khowai, Unakoti, Sipahijala	Under Discussion
PBGPL (9.02)	Kamrup & Kamrup(M) CGD, Cachar, Karimganj & Hailakandi CGD	Awaiting confirmation from PBGPL
HCG (12.02)	Meghalaya CGD	Under Discussion
HPOIL(12.04)	Nagaland CGD	Hook up signing is fixed on 30 th Jan 2025.
TNGCL (12.03 &12.05A)	Agartala CGD	MOU signed
	Manipur & Mizoram	Under Discussion
HPCL(12.05)	Sikkim CGD	Under Discussion.
JV of BPCL and OIL (12.01)	Arunachal Pradesh CGD	Under Discussion

NEGG Connectivity to CGD GAs



Spur Line Development

Integrate CGD GAs with NEGG through spur lines.



Infrastructure Investment

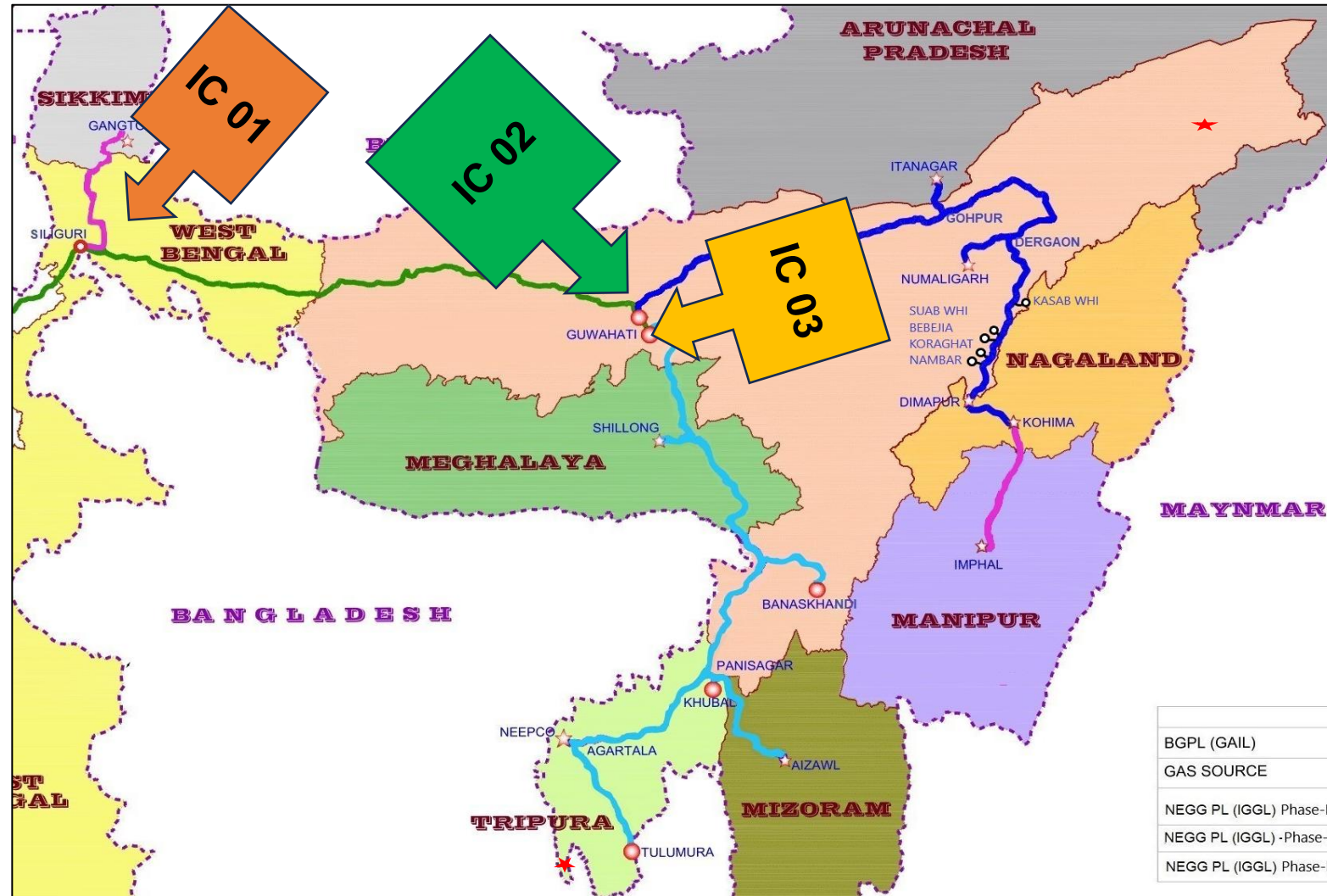
Additional investments for new pipelines and last-mile connectivity.



Government Support

Crucial for feasibility and successful implementation.

Status of Connectivity (GAIL) with National Gas Grid



Interconnection Agreement signed with GAIL's Barauni Guwahati Pipeline (Urga Ganga Pipeline) on 28th July 2023 at three locations of BGPL:

- **IC01:** IP 03 of BGPL for DT Section 11 SGPL in the state of West Bengal
- **IC02:** SV 32 of BGPL at Kamrup Baihata for DT Section 01 GNPL in Assam
- **IC03:** RT Panikhaiti for DT Section 06 of GSPL of NEGG in Assam

Status of Connectivity (GAIL) with National Gas Grid



Strategic Roadmap for Gas-based Development

1

Spider Network

Comprehensive connectivity for robust gas-based economy.

2

Financial Viability

VGF and capital grants for project feasibility.

3

Policy Support

Mandated CGD network connections with assured returns.

Policy Recommendations



"Ujjwala"-like Scheme for PNG

Subsidize PNG connections for economically weaker sections.

Re-evaluation of GAs

Re-authorize non-performing GAs for optimal resource utilization.

Promoting Natural Gas

Emphasize environmental benefits, implement incentives and mandates.

Adoption of CNG in National Highways



1

Availability

Natural gas along major highways in the North East.

2

Conversion Kits

Tax incentives for liquid fuel to Natural Gas conversion kits.

3

CNG Stations

Tax benefits for equipment to set up stations.

Tax Reforms for Natural Gas Promotion

VAT Reduction

Strategic VAT reduction in Assam from 14.5% to 5% to stimulate gas adoption.

GST Rationalization

Implementing 5% GST rate to streamline natural gas pricing and market entry.

Highway Gas Infrastructure

Developing comprehensive natural gas networks along Northeast national highways.

Conversion Incentives

Tax benefits to encourage liquid fuel vehicles' transition to natural gas technologies.

Safety aspects in NEGG

PNGRB T4S

Fully Complying with PNGRB T4S Guidelines.

OISD

All OISD guidelines like OISD 226, OISD 118 etc. for Natural Gas are being followed.

PESO Guidelines

All safety guidelines of PESO are fully followed while constructing/Commissioning the pipeline

State PCB Regulations

All Guidelines of PCB of respective states are being followed while constructing the NEGG for obtaining CTE/CTO



Thank You

Marching ahead to realize Hydrocarbon Vision 2030 for developing a sustainable Gas-based Economy in the Northeastern region

