

STRATEGY RETREAT 2.0

# PNGRB's Relevance in 2050

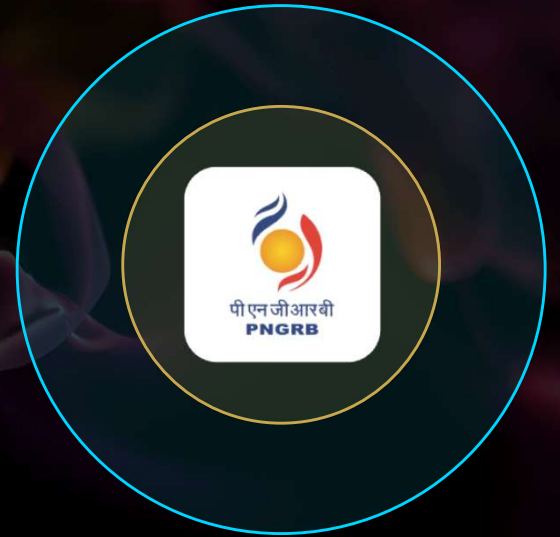
Consumer-Centric Energy Transformation

---

Theme 3 | 28 March 2026 | Taj Damdama Lake, Gurugram

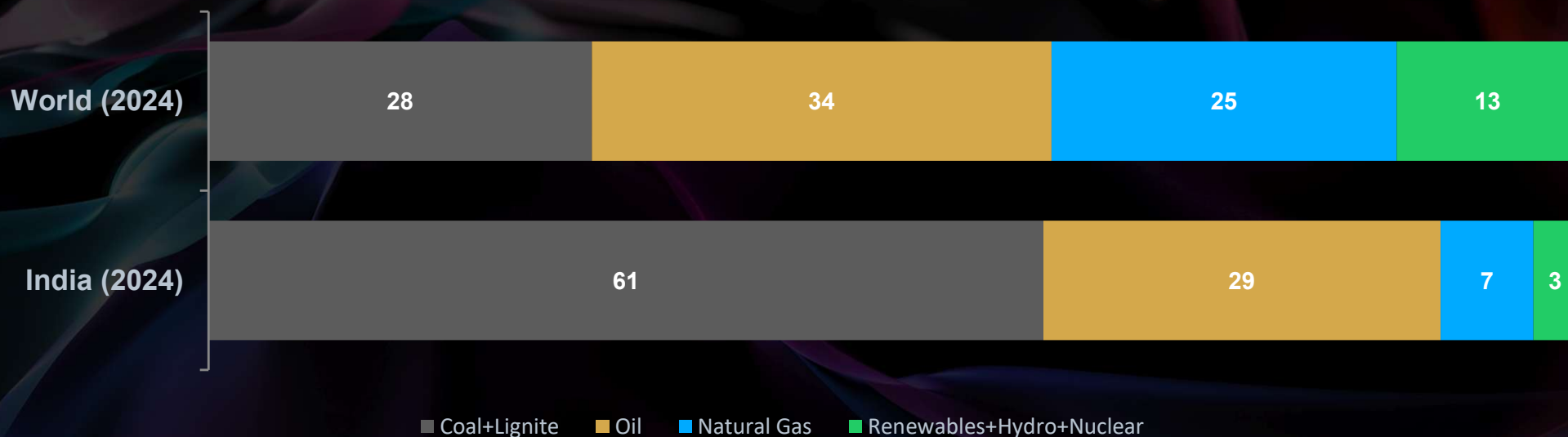
**Panel:** Vijay Kumar · Ajitesh Singh · Divy. Abhishek · Yuvraj Singh Rathore · Farhan Akhter · Shailendra Kr. Sharma

**Mentors:** Mr. Muktikam Phukan, Director (Admin & HR / Coordination) · Mr. Hirak Dutta, Expert Advisor (Tech)



## INDIA'S ENERGY BASKET

# The Gas Gap (India vis-à-vis World)



**6.8%**

**India Gas Share**

3rd smallest among G20

**25.2%**

**World Gas Share**

Primary transition fuel globally

**3.7x**

**The Gap**

India must close to stay competitive

CORE MANDATE · ASSOCIATED CAPABILITIES

## What PNGRB Knows — And Where It Can Go

### Tariff & Access Regulations

Tariff setting, access codes, capacity management, GTA standardization

### Registration, Licensing & Authorization

CGD bids, pipeline authorizations, competitive bidding frameworks

### Technical & Safety Regulations

Technical standards, safety audits, ERDMP, incident management

### Consumer Protection

Grievance redressal, quality assurance, ombudsman frameworks

### Data & Monitoring

NHIMS, project tracking, compliance dashboards, geo-tagging

### International Collaborations

MoUs with API, ASME, DVGW, SGN, IGEM, — global benchmarking

**KEY INSIGHT:** These capabilities apply across sectors. Whether it is gas, hydrogen, CBG, water or coal gas, all are transported through pipelines. Pipelines are central to energy transport, so the core regulatory approach remains broadly similar.

# PNGRB'S FUTURE READINESS

Early Moves Toward a Future-Ready PNGRB



## HYDROGEN CELL

**5** H<sub>2</sub> Blending Pilots  
MP, Gujarat, Assam, UP (2-5% v/v)

**1st** National H<sub>2</sub> Roadmap  
Phased strategy: 2025-2033

**3+** Global MoUs  
DVGW · SGN · IGEM

 **Scientific Advisory Committee (SAC)**  
Test-Beds (CGD - IGL | NGPL - GAIL)



## CBG CELL

1. CBG Injection Guidelines approved (Feb 2026)
2. 130 CBG functional plants targeted for pipeline connectivity by Mar 2026
3. Online portal for CBG monitoring & pipeline connectivity is to be launched



## SUSTAINABILITY CELL

1. Study launched with TERI on Fuels for future in association with CGD
2. Electrification of gas-based Compressors
3. Compendium of 20 study papers on Sustainability
4. Gas Loss analysis in CGD and NGPL Sector



# Expanded Regulatory Horizon — Where Could PNGRB Go?



THE INFLECTION POINT

# Why PNGRB Must Act Now

**2030**

500 GW non-fossil capacity

## Gas is the bridge—but not the destination

Gas share must rise in the near term, but conventional fuels will decline beyond 2040–50

**2047**

Energy Independence

## New molecules are coming into the grid

Hydrogen, CBG, CO<sub>2</sub>—all will use pipeline networks

**2070**

Net-Zero Target Year

## Pipelines remain natural monopolies

Where networks exist, regulation becomes essential—not optional

## Building Capability for What Comes Next

Building in-house capability and attracting specialized talent will be critical

*"Relevance is not defined by mandate—it is secured by moving ahead of the transition."*

# Putting the Consumer at the Centre of PNGRB 2.0

## SETTING THE FOUNDATION

- Consumer awareness via RWA partnerships (TRAI model)
- Stakeholder engagement sessions with NGOs & CBOs
- Vernacular communication (India Post model)

## SYSTEMS & ENGAGEMENT

- Centralized grievance portal — LIVE
- Ombudsman concept in final committee stages
- Consumer Conclave planned (July 2026)

## OPERATIONALIZING

- Full consumer protection platform
- Open access for CGD: right to choose
- Standardized GSAs for fair access

## MATURATION & AUDIT

- Periodic compliance audits & dashboards
- Stakeholder feedback integration
- International benchmarking (Ofcom, SEBI SCORES)

## THE WAY FORWARD

# From Regulatory Intent to Execution Discipline

### LEGISLATIVE

- Include H<sub>2</sub> & CBG in PNGRB Act
- Expanded mandate for new fuels
- Single-regulator model for pipelines

### INSTITUTIONAL

- National Hydrogen Testbed Establishment
- Digital backbone & NHIMS 2.0
- Invest in specialized talent and cross-domain expertise

### STAKEHOLDER

- Consumer protection platform launch
- Quarterly regulatory clinics
- International standards harmonization

**PNGRB 2.0 VISION:** A future-ready, outcome-driven regulator that protects consumers, enables efficient & competitive markets, and steers India's gas and petroleum ecosystem through the energy transition with predictability, transparency, and speed.

LIVE POLL

# YOUR TURN — WHAT DOES THE ROOM THINK?



OPEN YOUR  
PHONE CAMERA



SCAN THE  
QR CODE



SELECT YOUR  
OPTION



ALL RESPONSES  
ARE ANONYMOUS



Thank  
You

The text "Thank You" is written in a bright yellow, cursive script. The word "Thank" is on the top line and "You" is on the bottom line. The text is surrounded by several short, radiating lines of varying lengths, creating a sunburst or starburst effect. The entire graphic is centered on a solid black background.