



RELEASE OF STUDY FINDINGS

on

Comparative Assessment of Vehicular Fuels in India's Energy Transition: A Multi-Dimensional Approach Conducted by TERI

at

Taj Mahal, Man Singh Road, New Delhi
on 30th September 2026 (Wednesday)

BACKGROUND AND CONTEXT

The transportation sector is undergoing a significant transformation driven by the need for cleaner mobility, energy security, technological advancement and reduction in vehicular emissions.

India aims to achieve net-zero carbon emissions by the year **2070**. Prime Minister Narendra Modi announced this target during the **COP26** climate summit in Glasgow, backed by a five-part climate plan known as the "**Panchamrita**". Achieving India's commitments towards net-zero emissions, improved air quality and enhanced energy security requires a transition towards cleaner and more sustainable transport fuels.

Against this backdrop, **The Energy and Resources Institute (TERI)** under the aegis of **Petroleum and Natural Gas Regulatory Board (PNGRB)** commissioned this comprehensive study to evaluate the suitability of major vehicular fuel pathways in India. The comprehensive study has assessed the role and relative suitability of different vehicular fuels in India's energy transition.

Apart from considering the Life Cycle Analysis (LCA) to evaluate carbon footprints (CO₂ equivalent emissions) across different fuel and vehicle types/categories, the study adopts a multi-dimensional approach encompassing environmental performance, emissions, energy efficiency, economics, infrastructure requirements, technology readiness, social, geotechnical operational considerations and suitability for different mobility segments.

The proposed event will provide a platform for presentation and formal unveiling of the final study report, while facilitating a high-level dialogue amongst dignitaries from various Ministries (MoP&NG, MoRTH), NITI Aayog and policymakers, regulator, Energy Providers & Infrastructure Developers comprising of CGD companies and OMCs, automotive and component OEMs (Maruti/TATA), fleet operators, environmental institutions (CSE), Think Tanks, academia (like IIT) and other stakeholders.

The proposed event will present the findings of the TERI study and provide an evidence-based foundation for the discussions.



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THE KEY OBJECTIVES PROPOSED FOR THE EVENT

1. **Formal unveiling of the final TERI study report** on comparative assessment of vehicular fuels and their role in India's energy transition.
2. Launch of an independent and evidence-based study highlighting that for achieving pragmatic implementation of policies for the **future fuel mix for India's mobility sector** it is imperative that Evaluation of transport technologies be conducted using life-cycle environmental performance rather than tailpipe emissions alone.
3. Establish the critical finding/Central Loci of Study i.e. **“To Adopt a segmented transport transition strategy recognizing that different fuels should co-exist and are best suited to different vehicle categories across regions.”**
4. Facilitate dialogue between policymakers, regulators, industry and end-users on the practical pathway towards cleaner mobility.
5. Discuss the respective roles of **CNG, LNG, electric mobility, petrol and diesel** across different mobility applications.
6. Highlight the operational experience and challenges faced by users across various vehicle type/category basis survey conducted across different states/region and user segment.
7. Discuss infrastructure requirements for supporting India's transition towards cleaner and sustainable mobility.
8. Identify policy, regulatory and infrastructure interventions that can accelerate adoption of cleaner fuels while maintaining affordability and reliability for consumers.
9. Develop actionable recommendations emerging from the launch event for consideration by relevant policymakers and industry stakeholders.



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TENTATIVE PROGRAM SCHEDULE:

Time	Session & Focus	Protocol & Speaker Details
09:30 AM – 10:00 AM	Registration & Morning Tea	Arrival of delegates. VIP reception at the holding lounge.
10:00 AM – 10:05 AM	Inauguration & Lamp Lighting	Welcome of Guests on Stage and Lamp Lighting Ceremony.
10:05 AM-10:15 AM	Welcome Address	Dr. Vibha Dhawan, Director General, TERI
10:15 AM – 10:20 AM	Introductory Address	Dr. Anil Kumar Jain- Chairperson, PNGRB. <i>Focus: Regulatory roadmaps for multi-fuel infrastructure and differentiated fuel strategies.</i>
10:20 AM – 10:30AM	Official Report Launch	Unveiling of the Final Report on stage by Guests.
10:30 AM – 10:55 AM	Technical Presentation: Key Findings of Study	Dr. Ritu Mathur, Director, Energy Assessment & Modelling, TERI <i>Focus: The multi-dimensional framework and findings across fuel segment/category (Emissions, Economics, Logistics, Supply Chain, and Total Cost of Ownership).</i> • Includes 05 minutes for Audience Q&A.
10:55 AM – 11:00 AM	Reflection on Study	• Shri Subhankar Sen, Director (Marketing), BPCL
11:00 AM – 11:05 AM	Reflection on Study	• Shri Sanjay Kumar, Director (Marketing), GAIL*
11:05 AM – 11:10 AM	Special Address	• Shri Rajesh Verma, Chairman, CAQM
11:10 AM - 11:15 AM	Special Address	• Shri Rajiv Gauba Member NITI Aayog
11:15 AM – 11:25 AM	Keynote Address	• Shri Tarun Kapoor, Advisor to the PM

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11:25 AM – 11:30 AM	Vote of Thanks	• Shri Mohit Bhatia, Director(Commercial), IGL
11:30 AM – 11:45 AM	<i>High Tea & Networking Break</i>	
11:45 AM – 12:30 PM	Panel Discussion : <i>"Navigating India's Multi-Fuel Future: Policy, Technology, and Market Readiness"</i>	• Moderator: Sh. Manas Majumdar, Partner, PwC • Panelists: 1) Shri Kumar Shanker, Managing Director, IGL 2) Shri Subhash Kumar, Director General, ACE 3) Shri Ashish Chutani, Vice President (Government & Policy Affairs), Maruti 4) Shri Sandeep Rairikar, ARAI 5) Shri Maqsood Shaikh, CEO, Ultra Gas • Includes 10 minutes for Audience Q&A.
12:30 PM – 12:50 PM	Concluding Session	• Concluding Remarks by Shri A.K.Tiwari, Member (Commercial), PNGRB • Felicitation of dignitaries by TERI: CEO/MD of CGD entities, PNGRB, Govt. officials from Ministry, academicians who have contributed towards the study.
12:50 PM onwards	Networking Lunch	During the break, media interaction will be conducted jointly with TERI and PNGRB