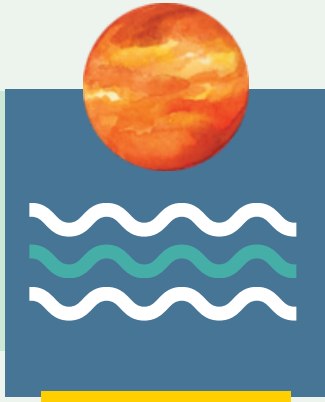




6th INTERNATIONAL CLIMATE SUMMIT 2026

ENERGY & FOOD SECURITY

**Biorefineries, BioEthylene and Bioplastics,
Coal Gasification, Nuclear Programme- Small
Modular Reactors- Way Forward Process Safety
and Risk Assessment**

**2nd September 2026 , 9 AM
Le Meridien/ Vigyan Bhawan, New Delhi**



PM MODI HIGHLIGHTS INDIA'S EVOLVING ENERGY SECTOR, AS THE KEY TO 'Viksit Bharat'



Prime Minister Narendra Modi's key statement in Oslo centered on elevating India's ties with the Nordics into a "Green Technology and Innovation Strategic Partnership".

He emphasized combining India's scale, speed, and talent with the Nordic countries' sustainability expertise, technology, and capital to create global solutions.

ABOUT THE SUMMIT

India stands at a defining moment in its energy journey. Geopolitical volatility, supply chain disruptions, and the West Asia crisis have sharpened the strategic imperative of long-term energy self-sufficiency. For a nation of India's scale, dependence on imported energy is not merely an economic risk; it is a sovereign vulnerability. The Government has responded with resolve, opening multiple pathways spanning bioenergy, ethanol blending, coal gasification, green hydrogen, sustainable aviation fuel, and nuclear energy, collectively constituting India's strategic energy doctrine for the 21st century. Translating this vision into ground-level outcomes demands a convergence of technology, investment, international collaboration, and safety frameworks. ICS 2026 is conceived as precisely this platform.

The Summit will bring together policymakers, industry leaders, technology providers, Indian and foreign investors, financial institutions, R&D institutions, consultants, and leading international experts on a common platform to assess what has been achieved, identify what more is required, and deliberate on how the Government's policy vision can be translated into faster ground-level outcomes through technology transfer, joint ventures, strategic partnerships, investment mobilisation, R&D, international best practices, and robust safety frameworks. The deliberations will culminate in concrete recommendations, key takeaways, and a policy document to be submitted to the relevant Ministries and Government agencies for consideration and expedited action.

1.0 BIOETHANOL

India's long-term energy security cannot be built on continued dependence on imported crude oil or any single energy pathway. As global geopolitical uncertainties, supply chain disruptions, and rising energy demand increasingly expose the vulnerabilities of fossil fuel dependence, India must strategically transition towards a diversified and self-reliant energy ecosystem rooted in its inherent strengths.

The country's vast agricultural base, abundant coal reserves, advancing nuclear capabilities, and emerging clean energy technologies together provide a unique opportunity to create an integrated energy framework that simultaneously strengthens energy security, industrial growth, rural prosperity, and economic resilience. Within this transition, bioethanol and the emerging bioeconomy are not merely blending solutions, but strategic pillars capable of transforming transportation, aviation, shipping, chemicals, and the broader industrial ecosystem, positioning India for a more resilient and energy-secure future driven by domestic resources and indigenous capabilities.

2.0 COAL GASIFICATION

India holds the world's fifth-largest coal reserves, yet imports significant quantities of coking coal, LNG, and petrochemical feedstocks. Coal gasification converts domestic coal into syngas, hydrogen, methanol, DME, ammonia, and SNG, thereby reducing import dependence across energy, fertilisers, and chemicals.

The Summit will deliberate on the National Coal Gasification Mission, the role of underground coal gasification (UCG) for deep seams, integration with carbon capture and utilisation (CCU), and synergistic investment linkages with the green hydrogen and fertiliser sectors.

3.0 SMALL MODULAR REACTORS (SMRs) & NUCLEAR ENERGY

Nuclear energy is set for a renaissance in India's energy mix. The SHANTI Act, Strategic Harnessing of Atomic Energy for National Transformation and Industrial Growth, opens the nuclear sector to private participation for the first time, marking a decisive shift in India's nuclear governance.

Combined with global momentum behind Small Modular Reactors (SMRs), India can now leapfrog to nuclear technology that is safer, more flexible, and deployable at an industrial scale. The Summit will examine SMR technology options, regulatory and licensing frameworks, financing structures, domestic supply chain development, and the expanding role of SMRs in industrial heat, desalination, and hydrogen production.

4.0 PROCESS SAFETY & OPERATIONAL EXCELLENCE

As India scales up energy infrastructure, process safety becomes a non-negotiable pillar of sustainable growth. The Summit will spotlight Agni Kawach, an AI-enabled Computational Fluid Dynamics (CFD) process safety software and indigenous AI-driven risk modelling platform developed by Indrax as part of its proprietary Made-in-India digital safety suite.

By harnessing AI for dynamic hazard modelling, consequence analysis, and real-time risk visualisation, Agni Kawach moves Indian industry from reactive compliance to predictive, intelligence-led safety management, setting a new benchmark for process safety across India's energy sector.

5.0 OPPORTUNITIES AND TAKEAWAYS

The Summit is outcome-driven. Deliberations will be distilled into a structured policy document with actionable recommendations for submission to relevant Ministries, an investment opportunity compendium for domestic and foreign capital, a technology and collaboration register mapping global providers with Indian counterparts, and a Summit communiqué capturing agreed priorities, translating the gathering's collective expertise into accelerated action on India's energy security agenda.

The Environment & Climate Change Committee of PHD Chamber of Commerce and Industry will proactively disseminate all key decisions, takeaways, recommendations, and related outcomes, ensuring that they are meticulously shared with relevant stakeholders, industry bodies, and Ministries for informed consideration and timely action.

Dr. J. P. Gupta

Summit Chair



SUMMIT AGENDA

09:00 AM – 10:00 AM

REGISTRATION

10:00 AM – 11:00 AM

INAUGURAL SESSION

Arrival of Chief Guest
Lighting of Lamp
Welcome by PHDCCI
6th ICS Theme Film
Theme Address by Summit Chair Dr J P Gupta
Keynote Address by Chief Guest

11:00 AM – 01:00 PM

PLENARY SESSION (Invited)

Dr Anil Kakodkar, Ex Chairman - India's Atomic Energy Commission,
Mr. Erik Solheim, Ex Executive Director -UNEP, Under Secy General -UN
Dr. V. K. Saraswat - Member NITI Ayog
Dr. Jyoti Sharma: Head - RDI Department of Science and Technology (DST).
Shri Vikram Dev Dutt, Secretary Ministry of Coal Government of India.
Shri Santosh Kumar Sarangi, Secretary, Ministry of New and Renewable Energy,
Dr. Neeraj Mittal, Secretary Ministry of Petroleum and Natural Gas
Dr. N. Kalaiselvi, DG & Secretery (DSIR) - CSIR
Dr. Samir V. Kamat, Chairman Defence Research and Development Organisation (DRDO)
Sh. Arvind Kumar Sahni - Chairman of Indian Oil Corp
Sh Ranjit Rath, CMD OIL
Sh. Arun Kumar Singh - Chairman ONGC Sh. Piyush Anand, Director General NDRF
Sh. R.N. Meena - Chief Controller - Head PESO (Petroleum and Explosive Safety Org *
Sh. Sanjay Khanna - CMD BPCI
Sh Vikas Kaushal - CMD HPCL
Sh. Sanjay Pandita - CEO Adani Total Gas
Sh.. PMS Prasad - Director Reliance Petroleum, Oil & Gas
Sh. Manna Lal Agrawal - Chairman / Sh. Madhusudan Agrawal , VC - Ajanta Pharma Ltd

01:00 PM – 02:00 PM

LUNCH

SUMMIT AGENDA

02:00 PM - 02:45 PM

TECHNICAL SESSION - 1

Bioethanol, Bio Fuels, Bio Plastics and Chemicals

Focus: Corn Feed Stock, Bio fuels, SAF, Chemicals and Hydrogen

Session Chairs

- **Mr. Yogi Sarin**, CEO - PetronSciencetech Inc, USA

- **Dr. H.S. Jatt**, Director, ICAR- Indian Institute of Maize Research (IIMR),
Ludhiana

Dr Shankar Lal Jatt - Sr. Scientist ICAR - IIMR

Dr Piyali Das - Associate Director, Sr Fellow Adv Biofuels - TERI

Sh. Shailesh Dhar - Head Aviation Fuel Business - IOCI

Sh. Kumar Sanjeev - Business head Aviation-BPCI

Sh. Rajesh Mehta - Head Aviation Business-HPCL

Sh Guarav Kumar Gupta - Head Chem and Petrochem Business - HMEL

Sh. Navnit Narayan - Director - Haldia Petrochem

Dr Sanjukta Subudhi, Sr Fellow & Associate Director TERI

04:45 PM - 05:30 PM

TECHNICAL SESSION - 2

Coal Gasification - From Coal to Value: Gasification Technologies for Fuels, Fertilisers & Chemicals

Focus: Coal Gasification Technologies and downstream products

Session Chair - **Mr. Anil Jha** - Former CMD Coal India Limited

Sh. Madhusudan B. Agrawal: Vice Chairman. - Ajanta Pharma Limited

Sh. Naveen Ahlawat - Head Col Gasification Project - Jindal Steel and Power Limited

Sh. Peeyush Kumar - Mg Dr - Bharat Coal Gasification & Chem Ltd

Sh. Bala Saheb Darade - Founder & MD - New Era Cleantech Solutions -Integrated Coal Gasification Project

Sh. Rakesh A Patel - MD - KINC Mineral Technologies Pvt Ltd - Coal Gassifier Supply

Sh. Ajay Kumar Jaiswal - MD - URJA Gasifiers Pvt Ltd - Tech and Gasifier Supply

03:30 PM - 04:00 PM

TEA BREAK

04:00 PM - 04:45 PM

TECHNICAL SESSION - 3

Small Modular Reactors: Scalable Nuclear Solutions for India's Energy Transition

Focus - India's Nuclear Energy & SMR Roadmap , Advanced SMR Technologies & Global Trends & Technology Adaptation , Industrial Applications & Base-Load Energy Integration, Safety, Regulatory Frameworks & Commercial Deployment, Financing

Session Chair : **Shri K. Shanmugha Sundaram**, Director (Projects) NTPC

Mr. Milan Shah, COO, Clean Core Thorium Energy, IL, US

Prof. Lakshmi Kantam , Member Atomic Energy Regulatory Board

Dr A.K. Nayak - Former Head NCPW (Nuclear Controls and Planning Wing) , DAE

Sh Umesh Chandra - India Energy Network

India Head - ROSATOM

Mr. Csaba Pinter - Pintermuvek- Hungary (SMR Equipment)

02:45 PM - 03:30 PM

TECHNICAL SESSION - 4

Process Safety, Risk Management & "Agni Kawach" for India's Energy Transition

Focus- AI for Process Safety, Industrial Risk Modelling & Predictive Safety Systems, Safety in Hydrogen, Bioenergy, Coal Gasification & SMRs Regulatory Frameworks & Safety Governance

Session Chair - **Dr Chitra Raj Gopal**. - Ex Director DRDO

ISh. R. K Jain - Director GAIL, Chairperson- Risk Management Committee GAIL

Sh. Vikram Saxena, Director (Technology & Field Services) ONGC

Shri Trailukya Borgohain, Director (Operations), Oil India Limited

Sh Vinod Wagh - Global Head & CEO - INDRAx

Sh Amol Lakre - COO India

Sh Manish Mittal - Director INDRAx

GREEN AWARDS CEREMONY - 5:30 PM, Followed by Networking Reception



6TH ICS 2026 STEERING COMMITTEE



Dr Dinesh Saraf
Former CMD - ONGC

Dr Lalit Gabhane
Dir. Gen - National Safety
Council of India

Dr Chitra Rajgopal
Fellow , Office of Principal Scientific
Advisor. Govt of India

Shri Rajnish Kumar
Former Chairman,
State Bank of India

Dr R. K Malhotra
President - Hydrogen
Association of India

Dr. A. Sankara Reddy
Padma Shri Awardee & Former
Principal of Sri Venkateswara College



ORGANISING COMMITTEE



Dr. J.P. Gupta
Summit Chair & Chair of
Environment & Climate Change
Committee, PHDCCI

Shri Yogi Sarin
CEO Petron Sciencetech, USA

Shri Umesh Sahdev
Co- Chair, Environment & Climate
Change Committee, PHDCCI

Dr. J.S. Sharma
Co- Chair, Environment & Climate
Change Committee, PHDCCI

Shri Mahendra Rustagi
Co- Chair, Environment & Climate
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Dr. Jatinder Singh
Deputy Secretary General
PHDCCI

Kanchan Zutshi
Director, PHDCCI

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Hydrogen Association
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 **PETRON SCIENTECH INC.**



**DR. BANSI DHAR
INSTITUTE**

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The Statesman



ABOUT PHDCCI

PHDCCI has been working as a catalyst for the promotion of Indian industry, trade and entrepreneurship for the past 121 years. It is a forward looking, proactive and dynamic PAN-India apex organization. As a partner in progress with industry and government, PHDCCI works at the grass roots level with strong national and international linkages for propelling progress, harmony and integrated development of the Indian economy.

PHDCCI, acting as the "Voice of Industry & Trade" reaching out to more than 1,50,000 large, medium and small industries, has forged ahead leveraging its legacy with the industry knowledge across multiple sectors to take Indian Economy to the next level.

At the global level, PHDCCI has been working with the Embassies and High Commissions in India and overseas to bring in the International Best Practices and Business Opportunities.

PHDCCI is a National Apex Chamber having its international office at Bahrain for 6 GCC countries, with focus on the development of small and medium businesses. PHDCCI has co-opted National and International Industry Associations and Organisations through over 100 MoUs signed between the parties.



**PHD Chamber of Commerce and Industry PHD House, 4/2 Siri
Institutional Area August Kranti Marg, New Delhi - 110016 www.phdcci.in**

