



GLOBAL
COUNTER
TERRORISM
COUNCIL™



GOVERNMENT OF INDIA
MINISTRY OF POWER

SUPPORTING PARTNER

3rd INTERNATIONAL ENERGY SECURITY & CLIMATE CHANGE CONFERENCE

DATE: DECEMBER 23-24, 2024

**VENUE:
INDIA HABITAT CENTRE, NEW DELHI- 110003**

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INDIA: THE DRIVER OF GLOBAL ENERGY DEMAND

India will be the key driver of Global Energy Demand in the next 25 years. India's energy consumption will grow by 4.2% a year for the next 25 years. This is fastest among major economies.

India's energy future has four pillars – Energy Access, Energy Efficiency, Energy Sustainability and Energy Security.

— Sh. Narendra Modi (Prime Minister of India)

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ABOUT US

Global Counter Terrorism Council(GCTC) is a registered non-profit, non-partisan international think tank initiated by public spirited individuals to awaken further issues of national interest and global conscience about terrorism as a threat to humanity, human security and global peace. Members from diverse backgrounds like former senior bureaucrats, academicians, former officers from the armed forces and paramilitary services, distinguished former diplomats, leading researchers, media analysts, parliamentarians, human right leaders etc. provide support and regularly contribute to the work of the council, with the aim to deliberate on the root causes of global terrorism and to present effective solutions to the problems faced by society and the government.

ESTEEMED PATRONS



Gen JJ Singh PVSM, AVSM, VSM, ADC (Retd)
Former Governor & Former Chief
of Army Staff, Indian Army



Dr. Shekhar Dutt SM, IAS (Retd)
Former Governor & Former Defence
Secretary & Dy. NSA, Govt. of India



Prabhat Kumar IAS (Retd)
Former Governor &
Former Cabinet Secretary, Govt. of India



Suresh Prabhu
Former Union Minister for Civil Aviation, Railways,
Commerce & Industry, Chemicals & Fertilizers,
Environments & Forests & Power, Govt. of India
Former G20 & G7 Sherpa & Chancellor-Rishihood
University



Prakash Singh IPS (Retd)
Former DGP-Uttar Pradesh & Assam
Former DG-BSF, Govt. of India



Dr. Yogendra Narain IAS (Retd)
Former Secretary General Rajya Sabha
Former Defence Secretary, Govt. of India
Former Chief Secretary-Uttar Pradesh



Shashank IFS (Retd)
Former Foreign Secretary,
Govt. of India

FROM THE PATRON'S DESK



Dear **Participants**,

On behalf of the Global Counter Terrorism Council (GCTC), it is my great pleasure to welcome you to the 3rd International Energy Security & Climate Change Conference 2024. We are honored to bring together a distinguished assembly of global leaders, policymakers, industry experts, and thought leaders to address one of the most critical challenges of our time—achieving energy security while advancing climate resilience and sustainable development.

This year's conference theme, "**Viksit Bharat – India's Energy Security, Climate Change, Trade, and Fossil Energy: Global, Regional, and National Perspectives**", reflects the urgent need to balance economic growth with environmental responsibility. Inspired by Prime Minister Narendra Modi's vision for a developed, resilient, and self-reliant India, this event provides a platform to explore how we can collaboratively shape the future of energy for Viksit Bharat by 2047.

Our sessions will delve into key focus areas, including the integration of renewable energy, sustainable financing mechanisms, and technological innovations such as AI, IoT, and digital tools for smart energy management. Additionally, the conference will address the role of fossil fuels in India's evolving energy mix, the importance of climate finance, and emerging solutions in green technology. We aim to foster an environment where ideas can flourish, partnerships can form, and actionable strategies can be developed to support India's commitment to net-zero emissions by 2070.

As we convene following the landmark COP 29, this conference will provide an invaluable opportunity to build on recent global climate discussions, strengthen international alliances, and catalyze impactful initiatives. Together, we can help drive India's journey toward a sustainable energy future, serving as an example for developing nations worldwide.

We hope you find this conference inspiring, insightful, and a valuable occasion to connect with like-minded individuals who share our commitment to a sustainable and secure energy landscape.

Thank you for joining us, and we look forward to a productive and transformative conference.

Warm regards,

A handwritten signature in black ink, appearing to read 'Suresh Prabhu', written in a cursive style.

Suresh Prabhu

Patron, Global Counter Terrorism Council (GCTC)
Former Union Minister for Civil Aviation,
Railways, Commerce & Industry, Chemicals & Fertilizers,
Environments & Forests & Power, Govt. of India
Former G20 & G7 Sherpa

OVERVIEW

The 3rd International Energy Security & Climate Change Conference 2024, organized by the Global Counter Terrorism Council (GCTC), aims to address the critical intersections of energy security, climate resilience, and sustainable development. Aligned with Prime Minister Narendra Modi's Viksit Bharat vision, this conference presents a platform for government leaders, industry experts, policymakers, and international partners to discuss strategic pathways toward a resilient and self-reliant energy future for India.

Context and Relevance

India is at a crucial juncture, balancing rapid economic growth with ambitious climate commitments, including achieving net-zero emissions by 2070. With energy demand projected to grow at an annual rate of 3% until 2030, the country faces the dual challenge of securing reliable energy access while transitioning toward sustainable and renewable sources. The timing of this conference—immediately following COP 29—enables India to build on the latest global commitments and foster partnerships to address climate change collaboratively.

Conference Themes and Focus Areas

The conference theme, “Viksit Bharat – India’s Energy Security, Climate Change, Trade, and Fossil Energy: Global, Regional, and National Perspectives,” underscores India’s efforts to lead in global energy transition.

Key focus areas include:

- **Energy Transition and Security:** Addressing the need to balance fossil fuels and renewable energy sources while ensuring energy stability.
- **Electric Mobility and Green Technologies:** Promoting sustainable transportation through electric vehicles, green hydrogen, and smart energy systems.
- **Green Finance and Climate Investments:** Exploring financing mechanisms to support India’s net-zero goals, including green bonds and ESG-driven investment.
- **Global Partnerships and Alliances:** Strengthening India’s collaboration within international platforms such as the International Solar Alliance and the Global Biofuel Alliance.
- **Emerging Technologies:** Leveraging AI, IoT, and data analytics to optimize energy efficiency and grid management.

Objectives and Expected Outcomes

This conference seeks to foster dialogue on India’s renewable energy journey, enhance global energy alliances, and drive actionable strategies for sustainable energy transition. By bringing together diverse stakeholders, it aims to inspire innovative solutions, build resilient energy infrastructure, and set a framework for financing climate resilience.

Through strategic discussions and collaborative initiatives, the 3rd International Energy Security & Climate Change Conference 2024 aspires to reinforce India’s leadership in global energy and climate efforts, shaping a future where energy security and sustainability go hand-in-hand.

Welcome To GCTC's #3rd Energy Security & Climate Change Conference



Dear **Delegates, Speakers, and Esteemed Guests,**

It is a privilege to welcome you to the **3rd International Energy Security & Climate Change Conference 2024**. This conference is a significant milestone in our shared journey toward a sustainable and resilient energy future, aligned with **Prime Minister Narendra Modi's** visionary call for **Viksit Bharat**, a developed and self-reliant India by 2047. With immense gratitude, I extend my welcome to each of you for joining us in addressing the critical issues of energy security, climate resilience, and sustainable development.

As the **Organizing Co-Chairperson**, I am particularly proud of this year's theme: "**Viksit Bharat – India's Energy Security, Climate Change, Trade, and Fossil Energy: Global, Regional, and National Perspectives.**" This theme reflects India's dedication to an energy transition that harmonizes economic growth with environmental responsibility. It also underscores our commitment to positioning India as a leader in global climate action and sustainable development, building on insights from recent discussions at COP 29.

This conference convenes leaders from various fields, including government, industry, finance, and technology. Together, we will delve into strategic themes such as energy transition, renewable energy, green finance, and the role of cutting-edge technologies in shaping tomorrow's energy landscape.

Key focus areas will include:

- **Energy Transition and Security:** Balancing the critical need for reliable energy with a shift towards sustainable sources.
- **Electric Vehicles and Green Technologies:** Accelerating EV adoption, green hydrogen, and smart energy systems to build a cleaner transport ecosystem.
- **Global Energy Alliances:** Strengthening India's partnerships in international climate and energy initiatives, reinforcing its leadership in renewable energy through alliances like the International Solar Alliance and Global Biofuel Alliance.
- **Green Finance and Climate Investments:** Addressing the pivotal role of finance in achieving net-zero emissions by 2070 through innovative funding mechanisms and ESG-aligned investments.
- **Emerging Technologies:** Exploring the role of AI, IoT, and digital innovation in enhancing energy efficiency and supporting a resilient energy grid.

In organizing this conference, our goal is to create a dynamic platform for collaboration, inspiration, and action. We envision this gathering as an opportunity to build meaningful partnerships, share knowledge, and identify actionable solutions that drive our sustainable energy goals forward.

Your participation enriches this conference, and I am confident that the ideas exchanged here will foster transformative change, positioning India as a global frontrunner in climate resilience, energy security, and sustainable development.

Thank you once again for your presence, and I look forward to the insights and innovations that will emerge from our discussions. May this conference inspire us all to contribute to a resilient, inclusive, and sustainable energy future for India and the world.

Warm regards,

Alok Perti, IAS(Retd)
Organizing Co-Chairperson & Advisor-GCTC
Former Secretary(Coal), Govt. of India

ORGANISING-CUM-TECHNICAL COMMITTEE



ANIL RAZDAN, IAS (RETD)
Former Secretary (Power),
Govt. Of India



ALOK PERTI, IAS (RETD)
Former Secretary (Coal),
Govt. of India



DR VIBHA DHAWAN
Director General, TERI



MANJEEV PURI, IFS (RETD)
Former Amb to Nepal, EU, Belgium &
Luxembourg & DPR to UN &
Distinguished Fellow TERI



RAJESH KR. SRIVASTAVA
Former Director (Exploration), &
CMD (Addl. Chg., ONGC Ltd.



R.R. RASHMI, IAS (RETD)
Former Spl. Secretary, MoEF&CC, Govt. of
India



R GANDHI
Former Deputy Governor
Reserve Bank of India



SURESH GOEL, IFS (RETD)
Former Secretary, Ministry of
External Affairs, Govt. of India



DR. VINOD KUMAR SINGH
CEO, Power Sector Skill
Council



LT GEN SURESH SHARMA, PVSM, AVSM (RETD)
Former Engineer-in-Chief,
IHQ, Ministry of Defence, GOI



ASHWIN B. PANDYA
Secretary General, ICID
Former Chairman, Central
Water Commission



B ANAND
Industry Veteran



**REAR ADMIRAL (DR.) SANATAN
KULSHRESTHA, RETD**
Former DG-Naval Armament
Inspection, Indian Navy



KULJIT SINGH POPLI
Former Chairman and
Managing Director, IREDA LTD



DR. R.K. MALHOTRA
President, Hydrogen Association
of India Former Director (R&D) &
CMD (Addl. Chrg.), IOCL



RATISH KUMAR
Former Director-Projets & CMD
-Addl. Chrg., NHPC Ltd



MAKP SINGH
Former Member-HE, CEA,
Ministry of Power,
Government of India



B PAPARAJU
Charman of Standing
Committee of OIL PSU,
MoPNG, Govt of India &
Former Executive Director-
ONGC Ltd



CLEO PASKAL
Senior Fellow for Indo-Pacific
at FDD, USA



AK SAXENA
Senior Fellow & Senior
Director-Electricity & Fuels
Division, TERI



KEY FOCUS AREAS

- Viksit Bharat: India's Path to Energy Independence by 2050
- Geopolitics of Energy, Climate, Trade, and Terrorism
- Advancing India's Electric Mobility and Sustainable Transportation
- Safeguarding India's Critical Energy Infrastructure
- India-USA Strategic Energy Dialogue: Advancing Clean Energy and Climate Resilience towards Viksit Bharat
- The EU Green Deal and India's Green Energy Ambition: Synergies for Viksit Bharat through Financial and Technological Collaboration
- Strengthening South Asia Energy Security and Climate Cooperation for Viksit Bharat
- India-Gulf Energy Partnership: A Pathway to Energy Security and Climate Sustainability for Viksit Bharat
- Banks and Financial Institutions: Climate Finance, Energy Security and ESG
- Emerging Technologies and Innovations in Clean Energy
- Public-Private Partnerships for Energy and Climate Resilience

WHY ATTEND?

- Gain the latest insight on the key policy & regulatory issues.
- Hear about the latest developments, technologies and innovations in the energy sector.
- Access to latest information on current and future outlook of Energy security in India and Global.
- Discuss innovations and developments in the hydrocarbon value chain.
- Interact with leading consultants in the industry
- An opportunity to focus on energy security, markets, sustainability and technology.
- Seize meaningful networking opportunities with leading industry leaders and policy makers.
- Participate in interactive panel discussions tackling some of the most pressing issues facing the industry
- Build partnerships and identify investment opportunities.

WHO MUST ATTEND?

- Energy Sector Professionals - Oil & Gas, Power, Solar, Wind, Hydrogen, Coal, Environment etc.
- End-Users from Government, Industrial & Commercial Sectors
- Energy Consultancy Organizations
- Policy Makers and Regulatory Agencies
- Service Providers & Project Developers
- Technology Companies
- Multilateral Institutions, Investors and Financiers
- Start-ups and Innovators
- Energy & Allied Sectors
- Original Equipment Manufacturers
- R&D institutions, Academia and Think Tanks

WHO WILL YOU MEET?

- Officials from the Ministries (MEA, MoPNG, MOP, MNRE, NitiAayog)
- Officials from Oil PSUs (ONGC, IOCL, OIL, HPCL, EIL, GAIL, BPCL)
- Officials from Power PSUs (NTPC, NHPC, Powergrid, REC, NEEPCO, PFC, SJVNL, THDC)
- Officials from Private Sector (Nayara, Shell, Reliance, GMR, TATA Power, Adani Power, JSPL, JSW,
- Officials from Academia (Teri, ISIL, ICID)
- And Others

A BRIEF ABOUT THE 2ND CONFERENCE



The Global Counter Terrorism Council (GCTC) hosted the flagship “Climate Change and the Himalayas”, a prominent forum on December 15, 2023, addressing critical intersections of energy security and environmental resilience. In an era where security extends beyond physical boundaries, this conference emphasized that energy stability and climate resilience are integral to national security. This event underscored India’s focus on energy independence, adaptation to climate risks, and the transition to sustainable practices.

The event gathered influential voices from the government and private sectors, including the Chairman of the Central Water Commission, senior officials like the Secretary, Joint Secretary, and Additional Secretaries from the Ministries of Power (MoPower) and Environment, Forest and Climate Change (MoEFCC), along with representatives from the Ministry of Jal Shakti.

Keynote speakers and delegates included chairpersons and directors from leading Public Sector Units such as REC, NHPC, NTPC, ONGC, and Indian Oil, reflecting the breadth of expertise and commitment to addressing energy challenges. The private sector is also actively represented, with participation from industry leaders like Adani, TATA Power, and APL Apollo, highlighting the critical role of private enterprises in advancing energy innovation.

Through discussions with academics, policymakers, and industry experts, this conference fostered a collaborative approach to framing solutions that balance India’s developmental goals with climate and energy priorities.



A BRIEF ABOUT THE 1ST CONFERENCE

Shri Dharmendra Pradhan, Hon'ble Union Minister of Petroleum & Natural Gas, Skill Development and Entrepreneurship and Steel, Government of India inaugurated the GCTC Energy Security Conference, and delivered the keynote address. The Minister highlighted India's initiatives to become Aatmanirbhar Bharat in the Energy Sector and build back better after COVID-19 to ensure that the energy system is secure, clean, resilient and responsive to our citizens' needs. Shri Pradhan underscored the efforts to actualise Vocal for Local in the oil & gas industry and that energy security will work under the framework of four 'A's: availability, accessibility, affordability and acceptability, which is to make energy accessible to all the sections and sectors at an affordable price.



The other esteemed panelists at the conference included **Tarun Kapoor** IAS, Secretary, Petroleum & Natural Gas; **Rahul Chhabra** IFS, Secretary, Economic Relations, Ministry of External Affairs; **Sanjay Joshi** IAS, Chairman, Observer Research Foundation; **B Anand**, CEO, Nayara Energy Limited; **Vartika Shukla**, CMD, Engineers India Ltd.; **R K Srivastava**, Director (Exploration), ONGC; **Vivek Kumar Dewangan**, IAS, Joint Secretary, Ministry of Power; **B N Reddy**, Joint Secretary (International Cooperation), Ministry of Petroleum & Natural Gas, **Takeshi Soda**, Director, Oil & Gas Division, Ministry of Economy, Trade and Industry, Japan; **Deepa Wadhwa** IFS (Retd), Former Ambassador of India to Japan and **Cleo Paskal**, Senior Fellow, FDD & Conference Anchor.



Shri Suresh Prabhu, India's G20 & G7 Sherpa, Member of Parliament, Former Union Minister for Civil Aviation, Railways, Commerce & Industry, Chemicals & Fertilizers, Environments & Forests & Power, Govt. of India highlighted the overarching role of energy in the national security architecture and the need to secure it in a manner to avoid vulnerability to manipulation or disruption of supplies in any way. He spoke about the importance of the International Solar Alliance in creating global energy capacities, and the role of energy efficiency in helping address energy import dependence.

The other esteemed panelists at the conference included **Anil Razdan** IAS, Former Power Secretary; **Dr. Kanwal Sibal** IFS, Former Foreign Secretary; **Ratish Kumar**, Director & CMD (Addl. Charge), NHPC; **Shri Dinesh Jagdale**, Joint Secretary, Ministry of New & Renewable Energy; **Dr. SSV Rama Kumar**, Director (R&D), IOCL; **V K Singh**, CMD, NEEPCO; **RK Vishnoi**, Director THDC; **HPS Ahuja**, MD & CEO, Indian Strategic Petroleum Reserves Limited; **Rear Admiral (Dr.) Sanatan Kulshrestha (Retd.)**, Former DG - Naval Armament Inspection; **Dr. Brenda Shaffer**, Senior Advisor, Energy, FDD, USA.



Hon'ble Governor of Chattisgarh Ms. Anusuiya Uikey, delivered special address and highlighted the need of **Atma Nirbhar Bharat Abhiyan**, envisaged by **Honourable Prime Minister of India Shri Narendra Modi**, in Power Sector. Honorable Governor also said Having achieved the goal of power for all, India must now aspire to achieve the target of sustainable power for all

Esteemed panelists at the conference included **Lt Gen KJ Singh**, Former GOC-in-C, Western Army Command; **Shri Sandeep Marwah**, Founder & Chancellor, AAFT University; **Vimal Wakhlu**, Former CMD, TCIL; **Pawan Singh**, MD & CEO, PTC India Financial Services Limited; **Kirat Parekh**, Chairman, iRADE & Former Member, Planning Commission; **Dr. G.P Patel**, Secretary - Central Board of Irrigation and Power;

The Other Key Panelists part of the Conference were Vice Admiral Shekhar Sinha, Former Commander in Chief, Western Naval Command, Indian Navy; Lt Gen Sudhir Sharma, Chairman - Mitkat Advisory Services Private Limited; Siddharth Zarabi, Managing Editor, NewJPlus; Dr. Rashi Gupta, Founder and MD, Vision Mechatronics Pvt Ltd. and T.K Sengupta, Former Director, ONGC.



Dr V.K Saraswat, Member, NITI Aayog & Former Chairman, DRDO spoke on the low carbon energy pathways, which would address import dependency and enable a strategic transition from a fossil fuel economy to a near zero-carbon economy.

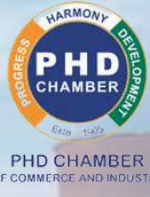
Esteemed panelists at the conference included **Dr. Shekhar Dutt IAS**, Former Governor & Dy. NSA; **Amb. Anil Wadhwa IFS**, Former Ambassador of India to Italy; **Mahmoud Jardaneh**, Energy Attache, US Embassy; **Walt Patterson** FEI, Associate Fellow, Chatham House & Founding Member, International Energy Advisory Council; **Shri Balraj Joshi**, Former Chairman & Managing Director, NHPC Ltd.; **Shri Alok Perti IAS**, Former Coal Secretary, Government of India;

The Other Key Panelists part of the Conference were Shri R.S. Sharma, Former CMD, ONGC Ltd.; General Daya Ratnayake, Chairman, Srilanka Port Authority & Former Commander in Chief, Srilankan Army; Shri Rajan Luthra, Chairman's Office, Head-Special Projects, Reliance Industries Limited; Shri Nishant Kumar Tiwari, IPS, OSD To Union Minister for Power & MNRE & President-iSA; Shri K.S Popli, Advisor, International Solar Alliance & Former CMD, IREDA.

OUR PARTNERS



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Power Sector Skill Council



Please do join us at the

GCTC's International Energy Security & Climate Change Conference 2024

An initiative of Global Counter Terrorism Council

GCTC Conference Secretariat

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