



Confederation of Indian Industry



Conclave on

Clean & Green Planet

27 September, 1100-1340 hrs

Knowledge Partner



CII-ITC Centre of Excellence
for Sustainable Development

OUTCOME REPORT

Introduction

Over the last century, anthropogenic activities have intensely metamorphosed the earth's ecosystem and resulted into major environmental changes. These changes have resulted in challenges like environmental pollution, climate change, global warming, land degradation, paucity of potable water, increase of diseases, resource scarcity, and biodiversity loss. A holistic approach towards sustainable solutions is essential to embark on new paths that will lead to a Clean and Green Planet.

Government of India encourages companies to adopt sustainable practices and to integrate sustainability into the business processes. Businesses being the engine of growth and employment, play an important role in mitigating climate change and contributing to delivering the Sustainable Development Goals. Achieving both inclusive and sustainable national development will be possible only when there is a collaborative effort from all stakeholders.

It is with this background that the Confederation of India Industry (CII) organised a virtual conclave on **Clean and Green Planet** on September 27, 2021, which focused on the collective effort of stakeholders in building a sustainable future. The **3** sessions at the virtual event saw enriching deliberations from **11** eminent speakers, across the government, industry, and academia.

Number of Participants: 400 participants, with 72% male and 28% female participation

Inaugural Session

The effects of climate change are already being felt by people across the globe. From shifting weather patterns that threaten food production, to rising sea levels that increase the risk of catastrophic flooding, the impacts of climate change are unprecedented in scale. Recent evidence suggests even more rapid change, which will greatly and irreversibly, affect not only people, but also species and eco- systems. In order to limit temperature rise to 1.5 degrees, global emissions should be cut down by 45% by 2030 from 2010 levels. Climate Action is therefore needed by all stakeholders. From policy intervention to ground level implementation, actions are required. This Inaugural session aims to foster an impactful dialogue on climate action and generate awareness around actions which government, industry and other bodies are taking to fight climate change and work towards clean and green planet.

The **Union Minister of Environment, Forest and Climate Change & Labour and Employment, Shri Bhupender Yadav** has inaugurated the Conclave on Clean and Green Planet and said, "I believe that the conclave is a great platform for knowledge exchange on environment challenges and possible solutions". Shri Yadav mentioned that the year 2021 is critical for the environment and climate agenda. The interim report from UNFCCC shows that there is a long way to go and limit climate change to 1.5°C and meet the goals of Paris Agreement. India under the vision and dynamic leadership of Prime Minister Ms Narendra Modi has championed the cause of Renewable Energy. The dependency on coal is rapidly minimised by adopting clean energy like the wind and solar energy. The vision of Atmanirbhar Bharat has initiated to nurture green business, sustain livelihoods, and ensure conservation of nature for clean and green future. He said that India stands at the forefront of addressing the global challenge of climate change and committed to ambitious NDCs of reducing emission intensity by GDP by 33-25% in 2030 against the levels of 2005.

Addressing the conclave, **Mr T. V. Narendran, President, CII and CEO & MD, Tata Steel** said that the pandemic has reminded us the important role played by humans in maintaining the ecological balance. Similarly, the IPCC report has emphasised that business-as-usual is untenable, and Industry need to work with Government to find solutions for future. Mr. Narendran has complimented the Ministry of Environment, Forest and Climate Change for becoming transparent and launching online platforms like 'Parivesh' and introducing online monitoring compliance system. Government of India has also ensured that India is well on track in fulfilling the obligation of Paris Agreement and commitments of NDCs.

Ms Seema Arora, Deputy Director General, Confederation of Indian Industry in her opening remark highlighted that industry is a key stakeholder and has enormous responsibility to ensure that growth is sustainable and inclusive. Government of India has been encouraging businesses to adopt sustainable business practices and to integrate sustainability in their business models. Achieving both inclusive and sustainable national development will be possible only when there is a collaborative effort from all stakeholders.

Recording Link: https://youtu.be/s5_YE_FcEDA



The banner features the CII logo at the top center, with the text 'Confederation of Indian Industry' below it. The main title 'Inaugural Session' is in green, followed by the date and time '27 September, 1100-1200 hrs'. Three portraits are arranged horizontally: Shri Bhupender Yadav (Minister of Environment, Forest and Climate Change & Labour and Employment, Government of India), Mr T. V. Narendran (President, Confederation of Indian Industry & CEO & MD, Tata Steel), and Ms Seema Arora (Deputy Director General, Confederation of Indian Industry). At the bottom, it lists 'Knowledge Partner' as CII-ITC Centre of Excellence for Sustainable Development, accompanied by a logo of a globe with green leaves.

CII
Confederation of Indian Industry

Inaugural Session
27 September, 1100-1200 hrs

Shri Bhupender Yadav
Minister of Environment
Forest and Climate Change &
Labour and Employment
Government of India

Mr T. V. Narendran
President
Confederation of Indian Industry &
CEO & MD, Tata Steel

Ms Seema Arora
Deputy Director General
Confederation of Indian Industry

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Shri Bhupender Yadav, Minister of Environment, Forest and Climate Change, & Labour and Employment, Government of India



Mr T. V. Narendran, President, CII and CEO & MD, Tata Steel



Ms Seema Arora, Deputy Director General, Confederation of Indian Industry

Energy Transition for Climate Action

Companies plan to migrate and adopt clean / renewable energy resources including solar by 2030. The drivers are affordable tariffs, availability of adequate supply, adequate capacity from future expansion perspective, choice and flexibility to sign on multiple producers. In light of the ongoing discussions on climate change, and sustainability, shift to clean energy is much needed. Both producers of clean energy and consumers play a vital role in this. The session focused on the role of government through policy landscape and implementation and role of producer companies on their work, new technologies being used, challenges and uptake by consumers for climate action.

Moderator

- Mr Nitin Prasad, Chairman, CII-Cleaner Air Better Life Initiative, Chairman, Shell India

Keynote Address

- Shri Rameshwar Prasad Gupta, Secretary, Ministry of Environment, Forest and Climate Change, Government of India
- Shri Indu Shekhar Chaturvedi, Secretary, Ministry of New and Renewable Energy, Government of India

Panellist

- Mr Vineet Mittal, Chairman, CII National CSR Committee and Chairman, Avaada Group
- Dr Praveer Sinha, CEO & Managing Director, The Tata Power Company Limited

Challenges

- The major bottlenecks for the development of RE have been identified as high capital costs, variable nature of resource and challenges with grid integration.
- Emphasise on the use of RE for manufacturing in all the aspects of industrial production
- Improve the transparency, accountability, and actionability of climate and energy data to drive faster greenhouse gas emissions reductions
- Technologies like wind, solar, and batteries have achieved dramatic cost reductions and crossed tipping points for wide adoption, but critical technology gaps exist in other areas, especially in industry and transport.
- There is an urgent need to accelerate emissions reductions in heavy industry, long-haul transportation, and aviation to set these sectors on decarbonization pathways comparable to those in electricity supply
- The R&D allocation on renewable energy by the government and Indian companies is very marginal.

Solutions

- Transition to clean energy is the key to mitigate climate change by building new low-carbon assets and withdrawing existing carbon-intensive assets retirement
- There should be a synchronisation of demand and the supply side to accelerate the transition to RE.
- The renewable energy sector continues to grow significantly and play a key role in India's and the world's ambition in tackling climate change. However, several

interventions are needed to continue the growth like battery storage solutions, off-shore wind turbines, and technology solutions to integrate an increasing share of renewables into the grid.

- Corporates should make choices amongst their suppliers where they procure products which have certain emissions level
- Electrify energy use in buildings, transportation, and parts of industry, where electricity brings an efficiency benefit
- Coordinated actions by industry and government through targeted research, development, and deployment in areas like hydrogen production, long-term energy storage, insulation materials, and industrial processes.
- Institutions involved in cleantech innovation could develop a better integrated systems-level commercialization ecosystem to address barriers to technology commercialization

Recording Link: <https://youtu.be/Vc45gVoW3VA>

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Energy Transition for Climate Action

27 September, 1200-1300 hrs

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|  Sri Rameshwar Prasad Gupta Secretary Ministry of Environment Forest and Climate Change Government of India |  Shri Indu Shekhar Chaturvedi Secretary, Ministry of New and Renewable Energy Government of India |  Mr Nitin Prasad Chairman, CII-Cleaner Air Better Life Initiative Chairman, Shell India |  Mr Vineet Mittal Chairman, CII National CSR Committee and Chairman, Avasa Group |  Dr Praveer Sinha CEO & Managing Director The Tata Power Company Limited |
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Conclave on Clean & Green Planet

27 September 2021

LIVE

Mr Nitin Prasad

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for Sustainable Development

Mr Nitin Prasad, Chairman, CII-Cleaner Air Better Life Initiative, Chairman, Shell India



Shri Rameshwar Prasad Gupta, Secretary, Ministry of Environment, Forest and Climate Change, Government of India



Shri Indu Shekhar Chaturvedi, Secretary, Ministry of New and Renewable Energy, Government of India



Dr Praveer Sinha, CEO & Managing Director, The Tata Power Company Limited



Mr Vineet Mittal, Chairman, CII National CSR Committee and Chairman, Avaada Group

CEOs talk on Clean and Green Planet

Sustainability is an increasingly important issue for people, especially in the business world. Climate change continues to affect our lives as well as the fate of all other species around the planet. Industry being one of the important stakeholders, have a significant role in moving towards a green planet. Aligning business strategies with goals for sustainable development, enables industry to achieve sustainability through investments, sustainable solutions, technological transformations, and responsible practices. The session will focus on such business leaders, who will speak about their journey and effort in building a resilient future of this planet.

Moderator

- Mr R. Mukundan, Chairman, CII National Committee on Environment and Managing Director & CEO, Tata Chemicals Limited

Panellist

- Mr Arun Misra, CEO, Hindustan Zinc Limited
- Mr Eisenhower Ike Swaminathan, Managing Director - Glass Solutions & Strategic Projects, Saint-Gobain India Limited
- Mr Venkatesh R, Managing Director & Director Energy Business, Wartsila, India

Challenges

- It imperative for renewable energy sector to adopt the newer technologies, frame policies and regulations. Currently, there is lack of a long-term strategy, beyond 2030, in place as Indian power generation transitions from fossil fuel to renewable energy-based generation.
- To achieve net zero, the biggest challenge we face is changing the mindsets
- Construction industry emits 40% green gas during construction
- Not only carbon net zero, but also water positivity & net zero in biodiversity is mandatory to achieve a Clean and Green Planet.

Solutions

- Government should adopt holistic approach by setting common standards and common mandated standards, for transition in a timely manner. Entire industry switches to sustainably competitive future.
- Close down thermal power plan & transit to renewable energy by 2030
- Sustainable construction should be adopted, it will help in saving natural, scarce, natural resources, like cement, steel, water etc.

Recording Link: <https://youtu.be/i0Rt6V8KIPw>



Confederation of Indian Industry

CEOs talk on Clean and Green Planet

27 September, 1300-1340 hrs



Mr R. Mukundan
Chairman
CII National Committee on
Environment and Managing
Director & CEO
Tata Chemicals Limited



Mr Eisenhower Ike Swaminathan
Managing Direct
Saint-Gobain India



Mr Arun Misra
CEO
Hindustan Zinc Limited



Mr Venkatesh R
Managing Director &
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Wartsila, India

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