

Policy Dialogue: Enabling State Level Strategic Actions for India's NDC

Venue: Sovereign II Hall, Hotel Le Meridien, New Delhi
Date: 6th September 2022, Tuesday (10:00 - 17:30 IST)



Shri. R. K. Singh
Minister of Power and
New & Renewable Energy
Government of India



Shri. Bhupender Yadav
Minister of Environment, Forests
& Climate Change,
Government of India



Shri. Tarun Kapoor
Adviser,
Prime Minister's Office
Govt. of India



Ms. Leena Nandan
Secretary,
Ministry of EF & CC,
Govt. of India



Shri Manoj Ahuja,
Secretary,
Ministry of Agriculture,
Government of India



Shri Giridhar Aramane
Secretary, Ministry of
Road, Transport &
Highways, Govt of India



Dr. Kirit Parikh
Chairman,
IRADe



Dr. Jyoti Parikh
Executive Director,
IRADe



Shri Sanjiv Nandan Sahai
Director,
Nehru Memorial Museum
and Library



Shri Tanmay Kumar
Additional Secretary,
Ministry of EF & CC,
Government of India



Shri Arun Goel
Secretary,
Ministry of Heavy Industries,
Government of India

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10:00-10:30 IST	Registration	
10:30-11:10 IST	Session I – Inaugural Session	
	Welcome Address	Dr. Jyoti K Parikh , Executive Director, IRADe
	Special Address	Shri Tarun Kapoor , Adviser, Prime Minister's Office (PMO)
	Inaugural Address	Shri R.K. Singh Ji , Union Cabinet Minister of Power, New and Renewable Energy, Government of India
	Vote of Thanks	Dr. Kirit Parikh , Chairman, IRADe
11:10 -11:13 IST	Tea Break for 20 minutes	
11:30-13:00 IST	Session II- Achieving NDC Goal Targets	
	Presidential Address	Shri Bhupender Yadav Ji , Union Cabinet Minister of Environment, Forest and Climate Change, Government of India
	A Context Setting Presentation by Dr. Kirit Parikh , Chairman, IRADe	
	Session Chair: Shri Sanjiv Nandan Sahai , Director, Nehru Memorial Museum and Library and Former Power Secretary, Government of India	
	<ul style="list-style-type: none"> • Shri Jishnu Barua, Chairman, Assam DISCOM • Shri Niraj Verma, Principal Secretary, Power (Electricity) Department, Government of Assam • Shri Vijay Menghani, Chief Engineer(CE&ET) of Central Electricity Authority, • Ms. Mamta Verma, Principal Secretary, Energy & Petrochemicals Department, Govt of Gujarat • Mrs. Lipsa Das, Additional Secretary, Energy Department, Government of Odisha • Mr. Sambit Parija, FA- cum Additional Secretary, Energy Department, Government of Odisha • Shri Rajnath Ram, Adviser (Energy) – NITI Aayog 	
	Chair and Panelists remarks followed by open discussion	
13:00-14:00 IST	Lunch Break & Networking	
14:00-15:00 IST	Session III- Moderated discussion with State Representatives	
	A context setting presentation by IRADe Research team	
	Special Address: Ms. Leena Nandan , Secretary, Ministry of Environment, Forest and Climate Change, Government of India	
	Session Chair: Shri Tanmay Kumar , Additional Secretary Ministry of Environment, Forest and Climate Change, Government of India	
	<ul style="list-style-type: none"> • Shri. Nishchal Joshi, Director, Department of Forest & Environment, Govt of Gujarat • Mrs. Debjani Chakrabarti, Special Resident Commissioner, Government of Odisha 	

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	<ul style="list-style-type: none"> • Mr. Sukhbir S. Sandhu, Principal Resident Commissioner, , Government of Uttaranchal • Mr. Pankaj Batra, Project Director, SARI-EI/IRADe • Shri Anup Wadhawan, Ex Secretary, Commerce, Govt. of India • Prof Indira Rajaraman, Former RBI Chair Professor, National Institute of Public Finance & Policy <p style="text-align: center;">Chair and Panelists remarks followed by open discussion</p>
15:00 -16:00 IST	<p>Session IV - System of Power Supply and Finance for Solar Irrigation</p> <p>A context setting presentation by IRADe Research team</p> <p>Session Chair: Shri Manoj Ahuja, Secretary Agriculture, Government of India</p> <ul style="list-style-type: none"> • Shri S.J. Solanki, Director, Agriculture, Farmers Welfare & Co-operation Department, Govt. of Gujarat • Shri Sanjeev Kumar Chadha Special Secretary, Agriculture & Farmers' Empowerment, Department, Govt of Odisha, • Shri Nilanjan Ghose - Senior Advisor - GIZ India • Dr. Tushaar Shah, Emeritus Scientist, International Water Management Institute <p style="text-align: center;">Chair and Panelists remarks followed by an open discussion</p>
16.00-16:15 IST	Tea Break
16:15-17:15 IST	<p>Session V – Energy Efficient Transport System to Reduce Emission</p> <p>A context setting presentation by IRADe Research team</p> <p>Session Chair: Shri Giridhar Aramane, Secretary, Ministry of Road Transport and Highway, Government of India</p> <p>Special Address: Shri Arun Goel, Secretary, Ministry of Heavy Industries, Government of India</p> <ul style="list-style-type: none"> • Dr. Anshu Bhardwaj, CEO, Shakti Sustainable Energy Foundation • Shri Rahul Tongia- Senior Fellow with CSEP in New Delhi • Ms. Shwetal Shah, Climate Change Department, Govt. of Gujarat • Mr. Saurabh Didi – Director- Bureau of Energy Efficiency • Mr. Sudhendu J. Sinha- Adviser (Infrastructure Connectivity, Transport & Electric Mobility), NITI Aayog • Ms Ritu Mathur, Director and Senior Fellow, TERI • Mr. Gerald Paul Ollivier, Lead Transport Specialist, Transport Global Practice, The World Bank Group <p style="text-align: center;">Chair and Panelists remarks followed by an open discussion</p>
17:15-17:30 IST	<p>Session VI– Valedictory Session</p> <p>Report on Key Recommendations and Conclusions Emerging from the Discussion – by IRADe</p> <p>Closing Remarks and Way Forward : Dr. Kirit Parikh , Chairman , IRADe</p>

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About the Policy Dialogue

The Government of India (GoI) has conveyed its climate goals for the Paris Agreement, referred to as the Nationally Determined Contributions (NDC). Among them, the goal of NDC 4 is to increase its non-fossil energy share to 38% share, which India has already reached by 2020. But at Glasgow COP 26, this goal is increased to 50%. Moreover, the fact remains that the share of energy generated from this capacity and the CO₂ saved needs to increase. How does this goal translate into state-level goals for renewable energy and other actions? The conversation must start at the state level and blend into the National Policy Dialogue (NPD) to take concrete action at all levels. The views & suggestions of the state-level representatives would be heard along with national & international experts.

Session I – Inaugural Session

Session II- Adapting Power Sector to meet NDC's Target

To meet the NDC4 target, a rapid transition to renewable energy and non-fossil sources in the power sector will be necessary. To replace carbon-intensive sources, alongside improved efficiency in the generation and consumption of electricity. Promotion of usage of RE-generated power through RPO on Obligated Entities. Role of reliable grid-based power in eliminating polluting sources of energy. Given this background, this session aims to discuss and deliberate on:

- Increasing the share of Renewable (RE) in the generation mix by examining the current and immediate future energy mix up to 2030
- Discussion on potential and the need for reassessment
- Display various state-level indicators of potential current non-fossil shares and the basis for future expansion
- Analysis of RPO targets met/unmet by DISCOMs in the past
- Increasing reliability of the power system

Session III- Moderated discussion with State representatives

- What are your state priorities and steps states have taken or planning to achieve NDC Goal-4
- What are the drivers and barriers to reducing emissions from energy, irrigation, and transport sectors

Session IV - System of Power Supply and Finance for Solar Irrigation

The majority of water pumps used today are either grid-connected or run-on diesel. As an investment, costs for solar irrigation pumps (SIP) are coming down, and subsidy schemes for SPIP are being rolled out, solar technologies are becoming an available option for both large and small-scale farmers. SIP will make farmers independent of grid supply when needed and otherwise enable them to sell surplus solar power generated to DISCOM and get an extra income. The session aims to discuss and deliberate on:

- How to promote low carbon irrigation, which may assist in achieving India's NDC targets through the adoption of solar water pumps
- A viable state-level policy to incentivize both farmers and DISCOMs.
- A market-based solution that would facilitate effective implementation of irrigation.

Session V – Energy Efficient Transport System to Reduce Emission

Transport demand in India has been growing rapidly due to economic growth and higher ownership of vehicles per 1000 persons. To reduce emissions, especially from passenger vehicles.

- Promotion of the use of public transport or dis-incentivizing private transport.
- Policies to promote the adoption of EVs
- Fuel efficiency policies for the transport sector
- Designing of Scrappage policy
- Reducing the cost of EV through business models
- Battery swapping

Session VI– Valedictory Session Report on Key Recommendations and Conclusions Emerging from the Discussion

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About Integrated Research and Action for Development (IRADe)

Integrated Research and Action for Development (IRADe) is an independent advanced research institute which aims to conduct research and policy analysis to engage stakeholders such as government, non-governmental organizations, corporations, academic and financial institutions. Energy, climate change, urban development, poverty, gender equity, agriculture and food security are some of the challenges faced in the 21st century. Therefore, IRADe research covers these, as well as policies that affect them.

IRADe's focus is effective action through multi-disciplinary and multi-stakeholder research to arrive at implementable solutions for sustainable development and policy research that accounts for the effective governance of techno-economic and socio-cultural issues. Being Asia Center for Sustainable Development, we have been carrying out policy research and its implementation for enabling socio-economic growth and charting pathways for sustainable development in South-Asia.

IRADe was established under the Society's Act, in 2002 at New Delhi. It is certified as a Research and Development Organization by the Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology (MoST). It has also been selected as a Center of Excellence by the Ministry of Urban Development (MoUD) for urban development and climate change. In addition, it provides expertise to other ministries, national and international institutions and partners with other reputed organizations.

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