

**Webinar on
Net Zero Strategies for
India's Power Sector**

Thursday, 21st October, (16:00 - 18:00 IST)



Shri. Amitabh Kant
CEO, NITI Aayog,
Government of India



Prof. Nicholas Stern
London School of
Economics



Ms. Gauri Singh
Deputy Director
General, IRENA



Shri Nitin Desai
Former Under Secretary
General, United Nations



Dr Anil Kakodkar
Former Chairman, Atomic
Energy Commission



Dr. Winfried Damm
Director
Indo-German Energy
program,



Dr Peter Zeniewski
Energy Analyst,
International Energy
Agency



Dr. Anshu Bharadwaj
CEO
Shakti Sustainable Energy
Foundation



Dr. Kirit Parikh
Chairman, IRADe



Dr. Jyoti Parikh
Executive Director, IRADe



Dr. Anjana Das
Senior Consultant, IRADe

[Click for Registration](#)

About the Webinar

Target year for net zero emissions goals and strategies needed to reach those goals have been debated recently by many to enhance ambition in the international negotiations following the Paris agreement commitments. In the forthcoming COP26 as a common global goal, it is likely to be the main concern. China has announced that it will reach Net Zero by 2060. There will be significant pressure on India to announce potential dates for Net Zero. Defining net zero is not easy. Policies are to be framed & strengthened to overcome the obstacles and to adopt new technologies, retire old ones, and change behavior, so that transition becomes smooth. These will involve costs and would impact the economy and society in a variety of ways. For India to consider potential dates for reaching the net-zero, these implications need to be understood, required policies are to be widely discussed. In this context, starting point is power sector, the largest contributor (50% of the national CO₂ emissions in 2016) to the national emissions. Power sector's emissions share is expected to increase substantially if status quo continues as growth potentials of electricity demand is very high. Additionally, electrification of end-use sectors to substitute fossil fuels will further add to the electricity demand and its share in total emissions. Reaching net zero for the power sector needs addressing different kind of technologies, policies and measures. In this regard, Integrated Research and Action for Development (IRADe) has undertaken a study that has modelled Indian power system in optimization framework to analyze the technological and economic implications of various peaking and net zero years in its future development.

Questions asked include:

- What technologies need to be deployed and which technology/technologies will play dominant roles in decarbonizing power system?
- What would cost India for reaching Net Zero by different dates?
 - Investment
 - Cost of electricity supply
- What potentials for different renewable sources will be required as potentials are not yet assessed accurately?
- What would be the role of CCS and nuclear?

Outputs of this study would be useful to formulate technology policies (assessment of resource/technology potentials, import, R&D, technology transfer, market development, etc.), climate finance negotiations, and so on.

We invite others who have worked on this so that we can compare our assumptions on population, economic growth, elasticity, demand and potentials, physical resources and costs of technologies. This way we can understand each other and speak with one voice.

Further, to understand perspectives of various stakeholders towards net-zero strategies for India's power sector, IRADe is organizing a **Policy/Technical session on "Net Zero Strategies for India's Power Sector"** on **Thursday, October 21st 2021 from 16:00 to 18:00 IST** to share assumptions and draft results for review and comments in the policy and technical session that has been planned. Your opinions and contributions would help in effectively improving/shaping our study in way forward.

Agenda

Schedule	Topic of discussion and Speakers
WELCOME AND OPENING REMARKS	
16:00-16:05	Dr. Jyoti K Parikh , Executive Director, IRADe
POLICY IMPLICATIONS OF IRADE STUDY	
16:05-16:15	Dr. Kirit Parikh , Chairman, IRADe
POLICY SESSION- KEY NOTE ADDRESSES/COMMENTS	
16:15-17:00	<p>Session Chair/Moderator- Dr. Kirit Parikh, Chairman, IRADe</p> <ul style="list-style-type: none"> • Mr. Amitabh Kant, CEO, NITI Aayog, GoI • Ms. Gauri Singh, Deputy Director General, International Renewable Energy Agency • Prof. Nicholas Stern, London School of Economics
TECHNICAL SESSION	
17:00-17:15	<p>Technological options and costs for Net Zero</p> <p>Dr. Anjana Das, Senior Consultant, IRADe</p>
PANEL DISCUSSION	
17:15-17:50	<p>Session Chair/Moderator – Shri Nitin Desai, Former Under Secretary General, United Nations</p> <ul style="list-style-type: none"> • Mr. Anil Kakodkar, Former Chairman, Atomic Energy Commission • Dr. Winfried Damm, Director- Indo-German Energy program, GIZ • Dr Peter Zeniewski, Energy Analyst, World Energy Outlooks, International Energy Agency • Dr. Anshu Bharadwaj, CEO, Shakti Sustainable Energy Foundation (SSEF)
CONCLUDING REMARKS	
17:50-18:00	Dr. Jyoti K Parikh , Executive Director, IRADe