



ROUNDTABLE ON

DECARBONIZATION OF THERMAL POWER PLANTS IN INDIA

June 30th, 2025

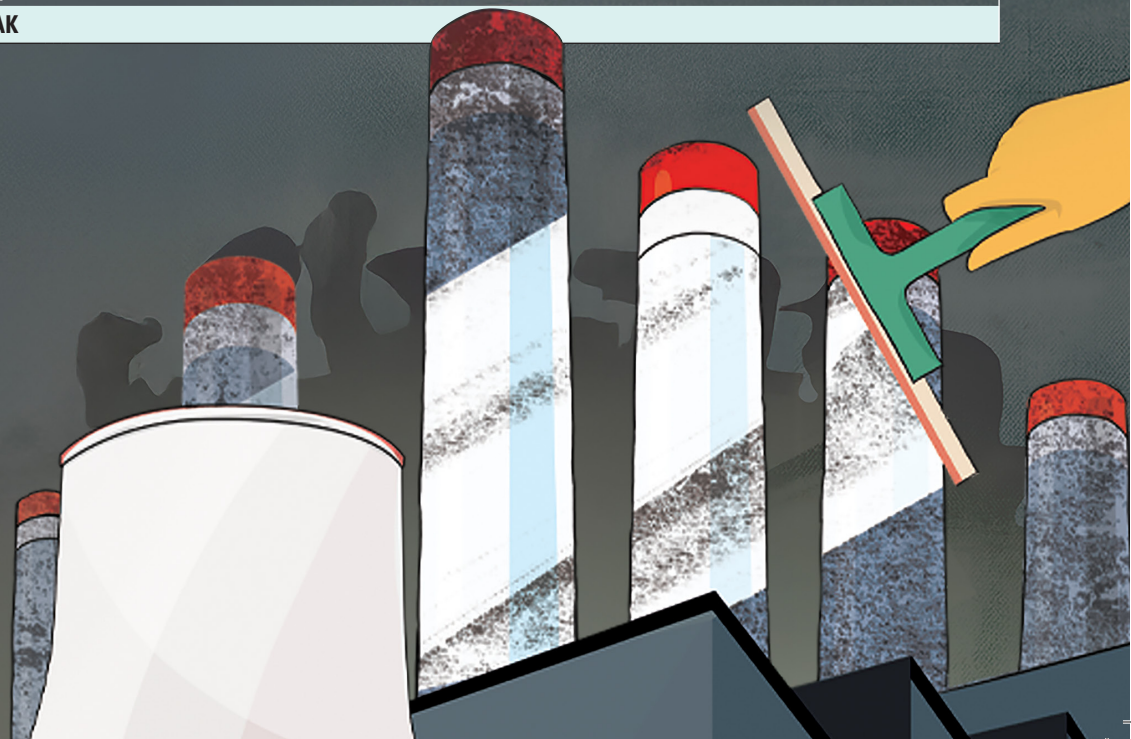
Tamarind Hall, India Habitat Centre, New Delhi

AGENDA

TIMING	TOPIC
9:30 - 10:00	Welcome & Registration
INAUGURAL SESSION	
10:00 - 11:30	Opening address: Sunita Narain, Director General, CSE Presentation of CSE's study on Decarbonizing the Coal based Thermal Power Sector in India <ul style="list-style-type: none">• Parth Kumar, Programme Manager, CSE• Kushagra Goyal, Senior Research Associate, CSE Address by Keynote speakers: <ul style="list-style-type: none">• Ramesh B Veeravalli, Member (Technical), Central Electricity Regulatory Commission (CERC)• Rajiv Kumar Porwal, Director (System Operations), GRID India• Gurdeep Singh, Chairman and Managing Director, National Thermal Power Corporation (NTPC)• Ghanshyam Prasad, Chairperson, Central Electricity Authority (CEA)• Ashok Lavasa, Ex. Secretary, Union Ministry of Finance and Union Ministry of Environment, Forestry & Climate Change (MoEFCC) CSE's Report Launch and Q&A
11:30 - 11:45	TEA BREAK



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AGENDA

TIMING	TOPIC
Roundtable Theme 1: Pathways for Reducing Emissions: Efficiency Improvement and Biomass Co-firing	
	Discussion Agenda 1: Efficiency Improvement in Coal Power Plants
	Themes: Efficiency measures; Renovation & Modernization (R&M), Age; Plant Load Factor (PLF); Fuel quality; Emerging technologies; Grid support
	Chair: Talluri Venkateswarlu, Chief Engineer (Thermal Engineering & Technology Development), CEA
11:45 – 12:20	Presentations by nominated invitees <ul style="list-style-type: none"> • Efficiency hallmarks: efficiently operating a subcritical unit - Vamsi Krishna, General Manager (EEMG), NTPC Ramagundam • Stable operations, cleaner outcomes: emissions benefits of efficiency - Saugata Basak, Head (MPD & MIS), Prayagraj TPP, TATA Power • Dispelling perception: operating an imported supercritical unit with Indian coal - Saurabh Patel, AGM (Policy Advocacy & Coal Planning), Nabha Power Ltd. (L&T Corp.), Rajpura • Transforming India's thermal power with technology shifts: lessons from ultra-supercritical units - Santosh Tiwari, General Manager, O&M, NTPC Kudgi
12:20 – 13:00	OPEN ROUNDTABLE DISCUSSION
	Discussion Agenda 2: Biomass Co-firing in Coal Power Plants
	Themes: Fuel supply and pricing, Boiler designs; Technical and Economic Limitations; CAPEX involved
	Chair: Arun Goyal, Ex. Member, CERC & Retd. IAS
13:00 – 13:30	Presentations by nominated invitees <ul style="list-style-type: none"> • Converting agri waste to fuel for decarbonization - R.M. Ananth, General Manager, Apraava Energy, New Delhi • Repurposing existing infrastructure and achieving benchmark biomass cofiring - Banish K Jha, AGM, NTPC Dadri, Gautambudhnagar • The opportunities and challenges of supplying biomass to thermal power plants - Sukhmeet Singh, Founder, A2P Energy, New Delhi
13:30 – 14:00	OPEN ROUNDTABLE DISCUSSION
14:00 -15:00	LUNCH BREAK
Roundtable Theme 2: The Enablers for Decarbonizing Coal Power Plants	
	Discussion Agenda 1: Reorient Mechanisms for Decarbonization
	Themes: Merit order dispatch (MOD); Forecasting & Efficiency; Supply side challenges; Generation Targets, lack of incentives; Power Purchase Agreements (PPAs)
	Chair: Vivek Pandey, Chief General Manager, NLDC, GRID India
15:00 – 15:30	Presentations by nominated invitees <ul style="list-style-type: none"> • Taming the demand: issues of demand forecasting & managing the National GRID - Sugata Bhattacharya, Deputy Manager, GRID India • Misplaced rewards: operational impact of cost-based MOD - Abhishek Chouhan, Senior Engineer, Harduaganj TPP, UPVUNL • The fine print of transition: regulatory dimensions of PPAs for RE & TPPs - Tanusmita Ghosal, Associate, AZB & Partners, New Delhi
15:30 – 16:00	OPEN ROUNDTABLE DISCUSSION
	Discussion Agenda 2: Transition Tools for TPPs: Flexibilization and CCUS
	Themes: Flexibilization; Control and Instrumentation (C&I) systems; CCUS
	Chair: Sanjoy Bhattacharya, General Manager (Performance Support Tool), BHEL
16:00 – 16:30	Presentations by nominated invitees <ul style="list-style-type: none"> • Capturing plume to clean up coal : CCUS in India's thermal sector - Sujoy Karmakar, GM, NTPC Energy Technology Research Alliance (NETRA), New Delhi • Flexibilizing conventional energy operations for a combined future of RE & Coal - Anjan Kumar Sinha, Technical Director, Intertek, New Delhi
16:30 – 16:50	OPEN ROUNDTABLE DISCUSSION
16:50 – 17:00	Conclusion and Vote of Thanks by Niviti Yadav, Programme Director, CSE
TEA AND SNACKS	



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