



Brainstorming Workshop: **Unlocking the Potential of Demand-Side Management for Doubling Energy Efficiency improvements by 2030**

📅 14 May 2024
New Delhi, India

missionefficiency.org

ELEVATE. SUPPORT. INVEST.



Mission Efficiency is a global collective of actions, commitments and goals on energy efficiency by a coalition of governments, organizations and initiatives. We seek to drive progress on energy efficiency, in particular:



Elevate energy efficiency

in personal, organizational and global agendas – a clear narrative, convening partners, matching solution offers and advocating for energy efficiency.



- **Energy Efficient LiFE**, people-focused communication & engagement strategies.
- **Mission Efficiency Call to Action & Pledge**, endorsed by 30+ organizations, 4 countries.



Support energy efficiency

with strategic and technical assistance by partners for progress in countries on key issues in high impact sectors, across multiple sectors or economy wide.



- **Federal- and State-level Action**, in line with doubling the global rate of energy efficiency improvement by 2030.
- **Demand flexibility** technical assistance and programs.



Invest in energy efficiency

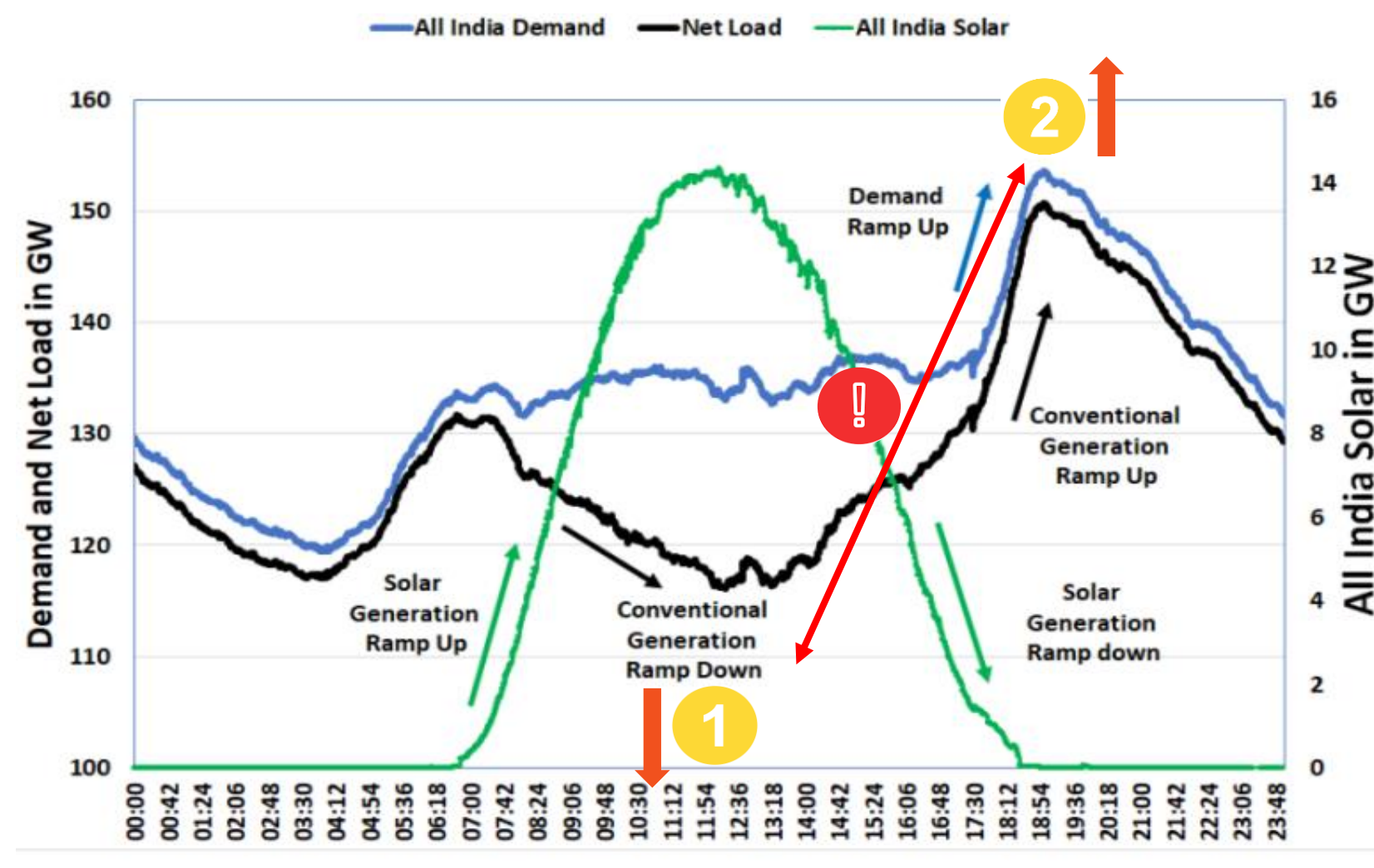
with coordinated and actionable project funding through loans, grants and incentives for infrastructure and projects by countries, funds and financial institutions.



- **Mission Efficiency Marketplace**, connecting energy efficiency projects with de-risking instruments and funding opportunities.

UNLOCKING THE POTENTIAL OF DEMAND-SIDE MANAGEMENT

Demand-side management and demand flexibility are crucial to simultaneously achieve India's renewable energy and energy efficiency targets and decarbonize both energy supply and end-use sectors.



The impact of solar power on net demand in India⁶

1 Increasing share of renewable energy in the grid mix in India

- 500 GW of renewable energy (RE) target¹ by 2030 (current RE capacity including hydro is 173 GW²)
- Improve energy security, mitigate climate change

2 Increasing peak demand in India

- Electrification of end-use sectors (more than 75% EV penetration by 2035⁴)
- Rising cooling demand (AC stock increase by more than 20 times by 2040⁵)

3 Meeting growing energy demand growth through efficiency

- Tapping into commercial & residential flexible assets (smart appliances & cooling, storage, EVs)
- Increasing supply-side efficiency



AGENDA

- 9:10–9:40** **Keynote:** Shri Milind Deore, Secretary, Bureau of Energy Efficiency, Ministry of Power, Govt. of India
Special Opening Remarks:
- Shri S. C. Saxena, Executive Director & Head, National Load Despatch Center, Grid-India
 - Shri Abhishek Gupta, Head of International, Solar, Strategy & Appliance, EESL
 - Shri Satyendra R. Pandey, Member, Gujarat Electricity Regulatory Commission
- 9:40–10:30** **Deep Dive: Demand-side management and demand flexibility (part 1)**
- *Integrated supply and demand modelling, regulations and policy* (MP Ensystems)
 - Open discussion: reflections and experiences (RMI, others)
- 10:30–11:00** **Tea Break and Networking**
- 11:00–11:50** **Deep Dive: Demand-side management and demand flexibility (part 2)**
- Presentation: *End-use modelling for potential estimation, players in the market* (AEEE)
 - Open discussion: reflections and experiences
- 11:50–12:30** **DSM and Demand Flexibility Initiatives**
- Ms. Meenu Mishra, General manager, BSES Yamuna Power Ltd (BYPL)
 - Mr. Syed Hasan Imam, Head of Group -Energy-as-a-Service, Tata Power Delhi Distribution Limited (TPDDL)
 - Mr. Gopal Nariya, BSES Rajdhani Power Limited (BRPL)
- 12:30–13:30** **LUNCH**
- 13:30–15:20** **Breakout group activities**
Market potential, modelling and regulation for demand flexibility opportunities
- 15:20–15:35** **Break**
- 15:35–16:30** **Way Forward and closing**
- Groups report back, followed by discussion
 - Closing Remarks (BEE, SEforALL)
- 16:30–18:00** **Networking social**



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BREAKOUT GROUPS



Step 1 (30 min): Policy and regulatory imperatives in support of demand flexibility

Pick 2–3 preferred questions and discuss:

- a. What changes would one need to see in the existing DSM regulatory framework to launch DSM 2.0?
- b. Should there be a rethink of state-specific DSM policies or should it be driven from a centralised policy-setting?
- c. Do we need any changes to the existing E Act or EC Act structures to promote DSM implementations?
- d. How do we integrate and mainstream DSM policy support within the larger opportunities such as the resource adequacy?

Step 2 (30 min): Programme designs to hasten implementation

Pick 2–3 preferred questions and discuss:

- d. What worked and what failed in the DSM implementation in India so far?
- e. What are the types of DSM implementation portfolios that the states should look for?
- f. Is there a role for carving out a specific budget for DSM / DF implementation through the tariff process? Or should all the programs be exposed to their independent tariff impact processes?
- g. What are the key sectors that are important for programmatic interventions?

Step 3 (30 min): Key recommendations

- Based on the discussion, what are the top 5 recommendations for further national programs on demand flexibility?



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