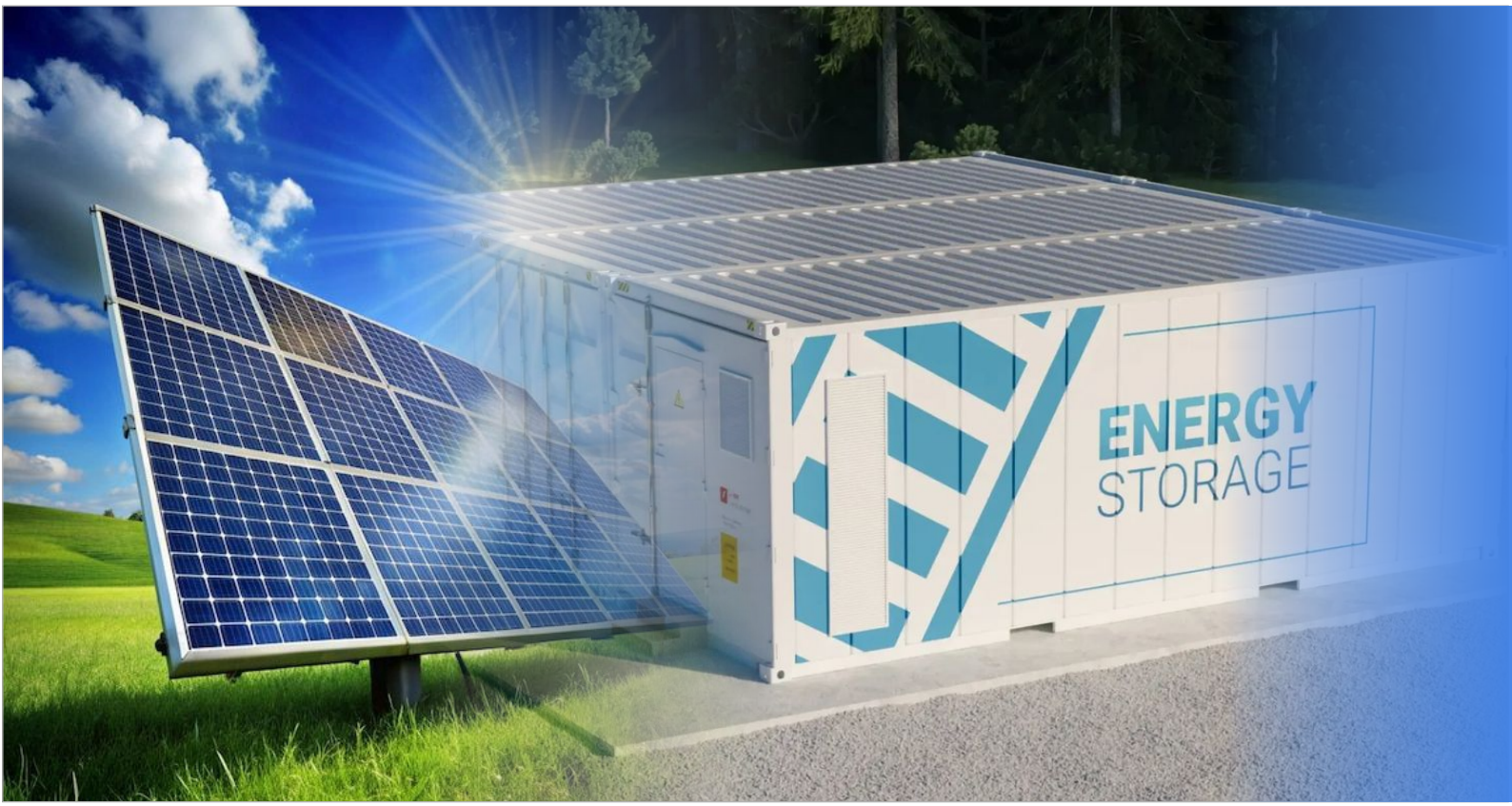


WORKSHOP ON

FINANCING BESS

Innovative Strategies

30 September 2025 | PHD House, New Delhi

Unlocking India's Energy Storage Potential: Policies, Projects, and Financing Pathways

FOR REGISTRATION

SCAN ME

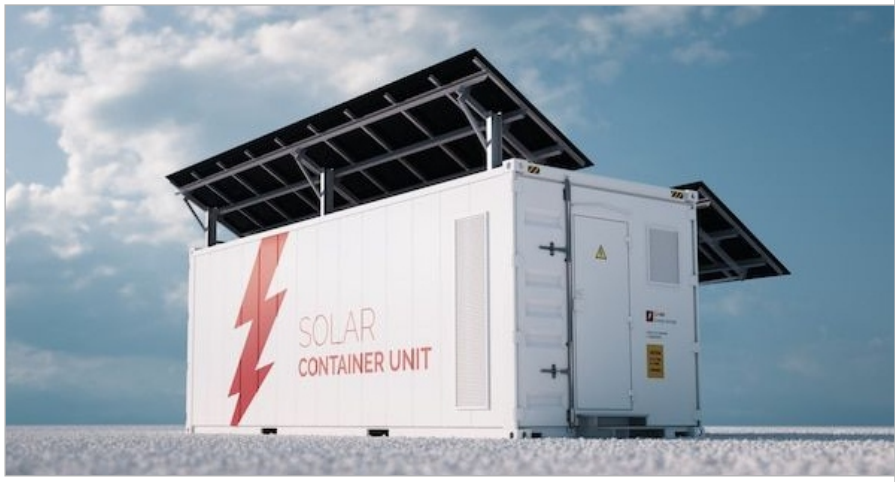
INTRODUCTION

India's renewable energy transition has entered a decisive phase. With ambitious targets of achieving 500 GW of non-fossil fuel energy capacity by 2030 and the Net Zero Carbon target by 2070, ensuring a robust, reliable, and financially sustainable renewable ecosystem is critical.

Among the enablers of this green transformation, Battery Energy Storage Systems (BESS) and Large-Scale Energy Storage (LS/BESS) solutions stand out as the backbone for integrating renewable sources like solar and wind into the national grid. Financing such infrastructure is not just a technological or policy challenge—it is a strategic economic priority to secure uninterrupted, clean, and affordable energy for all.

MISSION

To deliberate on financing frameworks, business models, and policy mechanisms that can accelerate BESS adoption in India and ensure 24x7 clean energy access, thereby strengthening India's energy security and global climate leadership



KEY OBJECTIVES

A. Promote LS/BESS Establishments

- Scale up deployment of grid-scale and distributed battery storage projects.
- Attract domestic and international investments into the energy storage sector.
- Enable cost competitiveness through innovative financing models.

B. Integrate Renewable Energy Sources (Solar & Wind) into the Grid

- Address intermittency challenges by balancing supply-demand mismatches.
- Enhance reliability and stability of the national grid.
- Support hybrid projects (solar-wind-storage) as scalable solutions.

C. Ensure 24/7 Clean Energy Supply to India

- Transition towards round-the-clock renewable energy delivery models.
- Facilitate green energy for households, industries, and EV infrastructure.
- Reduce reliance on fossil fuels in peak demand scenarios.

D. Support India's Net Zero & Decarbonization Targets

- Enable pathways to significantly cut emissions from the power sector.
- Align financing strategies with India's global climate commitments.
- Promote sustainability-linked financing and green bonds.

E. Enhance Transmission and Grid Capacity

- Strengthen India's transmission backbone for high renewable integration.
- Deploy advanced grid management systems with storage integration.
- Explore public-private partnerships for transmission-linked storage projects.

KEY FOCUS AREAS FOR DISCUSSION:

A. BESS: Introduction & Criticals

- The role of BESS in enabling renewable energy integration.
- Technical and economic imperatives for large-scale adoption.
- The urgency of scaling up storage to meet India's 24/7 green energy needs.

B. Status of Pipeline Projects – Update Till Date

- Current pipeline of utility-scale BESS projects in India.
- Recent tenders and awarded capacities by SECI, NTPC, and NVVNL.
- Emerging trends in private sector and SME-led storage initiatives.

C. Government Processes & Policies

- Overview of national energy storage roadmap and draft guidelines.
- Tariff structures, policy incentives, and regulatory frameworks.
- Updates on Transmission-linked BESS and hybrid project policies.

D. Small, Medium & Large BESS Projects

- Distributed storage for residential, commercial, and SME segments.
- Medium-scale projects for industrial clusters and DISCOMs.
- Utility-scale projects (100 MWh and above) for grid balancing and peak demand.

E. Financing Challenges in Projects

- High capital costs and risk perceptions for investors.
- Need for long-term financing instruments and green bonds.
- Case for concessional finance, blended models, and multilateral support.
- Innovative Credit Risk Mitigation Strategies and Wish List.
- Other Equity-Related Challenges Options and Solutions
-

F. Showcasing Select Projects

- SME Projects: Innovative, small-scale storage solutions.
- NVVNL Projects: Trading and market-driven storage initiatives.
- SECI Projects: Flagship tenders for RTC (Round-the-Clock) renewable energy.

G. BSES & DISCOM Projects: Pilot models for urban power reliability.

EXPECTED OUTCOMES

- A strategic roadmap for financing BESS and scaling investments.
- Insights on business models for round-the-clock renewable energy.
- Policy recommendations for accelerating storage adoption.
- Strengthening India's pathway to energy independence and net zero.

CONCLUSION

Battery Energy Storage is no longer a futuristic vision—it is the present necessity. As India marches towards a clean energy future, financing frameworks will determine the pace and scale of adoption. This interactive session aims to bring together policymakers, financial institutions, industry leaders, and technology experts to chart a collective roadmap for Financing BESS: The Future of Renewable Energy.

About PHDCCI

PHDCCI has been working as a catalyst for the promotion of Indian industry, trade and entrepreneurship for the past 120 years. It is a forward looking, proactive and dynamic PAN-India apex organization. As a partner in progress with industry and government, PHDCCI works at the grass roots level with strong national and international linkages for propelling progress, harmony and integrated development of the Indian economy.

PHDCCI, acting as the "Voice of Industry & Trade" reaching out to more than 1,50,000 large, medium and small industries, has forged ahead leveraging its legacy with the industry knowledge across multiple sectors to take Indian Economy to the next level.

At the global level, we have been working with the Embassies and High Commissions in India and overseas to bring in the International Best Practices and Business Opportunities.

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