ENERGY STORAGE SYSTEMS

for Accelerating Solar Project Deployment

Stakeholder Consultation Workshop - Asia (Bahrain, Cambodia, Maldives, Nepal, Bhutan and Sri Lanka)

Date: 28th April 2025, 11:30 AM – 01:00 PM (Bahrain Time), 03:30 PM – 05:00 PM (Cambodia Time), 01:30 PM – 03:00 PM (Maldives Time), 02:15 PM – 03:45 PM (Nepal Time), 02:30 PM – 04:00 PM (Bhutan Time), 02:00 PM – 03:30 PM (Sri Lanka Time), 02:00 PM – 03:30 PM (India Time)

Registration Link https://us02web.zoom.us/webinar/register/WN_i1JGtstkSnSY4yK89ZauI

(The meeting link will be sent to the email address used during registration)

Background:

With the growing adoption of clean energy, energy storage systems are becoming crucial for ensuring reliable power supply. Recognising the pivotal role of energy storage systems in scaling renewable energy, the International Solar Alliance (ISA) launched a programme on **'Scaling Solar E-Mobility & Storage'**. This initiative aims to:

- Assess various energy storage technologies, including batteries, compressed air energy storage, gravity energy storage, and pumped hydro storage.
- Evaluate the compatibility of these technologies with solar energy under various use case scenarios.
- Support member countries in shaping policies and regulatory frameworks for faster energy storage adoption.
- Support pilot project implementation in member states.

Under this programme, ISA in partnership with the Asian Development Bank (ADB) prepared a report – **'Framework for Energy Storage Prioritization to boost Solar Deployment in LDCs and SIDS: a consultation draft'**. The report was launched at COP29 in November 2024 in Azerbaijan.

Project Overview:

ISA in partnership with ADB is currently conducting two comprehensive studies on Short, Medium and Long Duration Energy Storage as mentioned below:

- Developing prioritization framework for Energy Storage System (short to medium duration storage) for accelerating solar project deployment in Least Developed Countries (LDCs) and Small Island Developing States (SIDS)
- Scaling solar integrated Long Duration Energy Storage Technologies (LDES): developing implementation roadmap and identification of project pipelines in Developing Nations

These studies aim to develop a prioritization framework for energy storage deployment in ISA member countries[1] based on various factors, including existing energy sector portfolios, policies, and the need for energy storage solutions.

Expected Outcomes:

The workshop will provide key insights and recommendations to scale solar integrated energy storage in Bahrain, Cambodia, Maldives, Nepal, Bhutan and Sri Lanka including:

- **Country-level energy landscape and targets** - Identifying critical enablers for energy storage deployment.
- **Evaluation of policy and regulatory frameworks** - Analysing existing policies and potential areas for reform.
- **Opportunity assessment of deploying storage projects** - Exploring the key use cases and identifying opportunities to integrate storage.
- **Actionable stakeholder recommendations** - Consolidating expert inputs to help support a robust energy storage roadmap.

Agenda:

S. No.	Topic	Time (mins)	Presenters / Speakers
1	Opening Remarks	5	**Mr. Ramesh Kumar Kuruppath** (Chief of Unit, PPIC, ISA)
2	Welcome address	3	**Mr. Jiwan Sharma Acharya** (Principal Energy Specialist, ADB)
3	Keynote address	3	Representative from the Democratic Socialist Republic of Sri Lanka, Vice President of Asia and the Pacific Region of ISA and co-chair of RCM (TBC)
4	Presentation on ISA Programme on Scaling Solar E-Mobility and Storage	5	**Dr. Mridula Bharadwaj** (Programme Lead – Storage, Solar e-mobility and Green Hydrogen, ISA-ADB TA)
5	Presentation - Energy Storage Systems for Accelerating Solar Project Deployment in Asian Region	30	**ISA Project team (KPMG in India)**
6	Interaction with Countries	30	Discussion with the representatives of the countries and their feedback
7	Audience Feedback	10	Q/A session with the participants
8	Closing remarks	2	**Mr. Ramesh Kumar Kuruppath** (Chief of Unit, PPIC, ISA)
9	Vote of Thanks	2	**Mr. Nar Bahadur Khatiwora** (Regional Head, Asia, ISA)
	Total Time	**90**	

Why Attend?

- Obtain insights and have discussions on the energy storage landscape in Bahrain, Cambodia, Maldives, Nepal, Bhutan and Sri Lanka.
- Identify challenges and opportunities for the countries.
- Engage with policymakers, industry leaders, and experts.
- Contribute to shaping policy recommendations and roadmaps.

1 Countries under Short and Medium duration energy storage study: Bahrain, Cambodia, Maldives, Nepal, Solomon Islands, Vanuatu, Burkina Faso, Mauritius, Uganda, Dominican Republic
Countries under Long duration energy storage study: Bhutan, Nepal, Sri Lanka, Burkina Faso, Namibia, Barbados, Brazil, Chile, El Salvador and Panama