ENERGY STORAGE SYSTEMS

for Accelerating Solar Project Deployment

Stakeholder Consultation Workshop – Africa (Burkina Faso, Mauritius, Namibia and Uganda)

Date: 27th March 2025, 10:30 AM – 12:00 PM (Burkina Faso Time), 02:30 PM – 04:00 PM (Mauritius Time), 12:30 PM – 02:00 PM (Namibia Time), 01:30 PM – 3:00 PM (Uganda Time), 04:00 PM – 05:30 PM (India Time)

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 Burkina Faso, Mauritius, Namibia and Uganda 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	Keynote address - Burkina Faso	5	**Dr. Alidou KOUTOU** (Director General of Energy, Ministry of Energy Mines and Quarries, Burkina Faso)
3	Keynote address - Mauritius	5	**Mr. Doumeraj Jahajeeah** (Director Technical Services, Ministry of Energy and Public Utilities, Mauritius)
4	Keynote address - Namibia	5	**Mr. Nico Snyders** (Deputy Director of Energy: Renewable Energy, Ministry of Mines and Energy, Namibia)
5	Keynote address - Uganda	5	**Mr. Ochieng Julius** (Energy officer, Ministry of Energy and Mineral development, Uganda)
6	Presentation on ISA Programme on Storage	5	**Dr. Mridula Bharadwaj** (Programme Lead – Storage, Solar e-mobility and Green Hydrogen, ISA)
7	Presentation - Energy Storage Systems for Accelerating Solar Project Deployment in African Countries	40	**ISA Project team (KPMG in India)**
8	Stakeholders' feedback, Q/A and discussion	15	Q/A and discussions
9	Closing remarks	3	**Mr. Ramesh Kumar Kuruppath** (Chief of Unit, PPIC, ISA)
10	Vote of Thanks	2	**Dr. Barakat Ahmed** (Regional Head, Africa, ISA)
	Total Time	**90**	

Why Attend?

- Obtain insights and have discussions on the energy storage landscape in Burkina Faso, Mauritius, Namibia and Uganda.
- 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, Panama