Ecosystem Readiness Assessment for Production and Utilisation of

GREEN HYDROGEN

Stakeholder Consultation Workshop (Africa: Tunisia and Ghana)

Date: 27th February 2025, 10:30 AM – 12:00 PM (Ghana Time); 11:30 AM – 1:00 PM (Tunisia Time); 4:00 PM – 5:30 PM (India Time)

Background:

Green Hydrogen (GH) is rapidly gaining global attention as a key enabler of a sustainable and low-carbon future. Recognising the pivotal role of GH in achieving global climate goals, the International Solar Alliance (ISA) launched a programme on **'Solar for Green Hydrogen'** in October 2021. This initiative aims to:

- Support policy development for GH implementation.
- Strengthen infrastructure for GH production and distribution.
- Enhance market development for large-scale GH deployment.

Under Phase 1 of this programme, the ISA in partnership with Asian Development Bank (ADB), developed a report on GH ecosystem readiness assessment across a few shortlisted ISA member countries. In this report – **'Blueprint for Ecosystem Readiness Assessment for Green Hydrogen'**, a subset of ISA member countries was considered. The report was launched at COP27 in November 2022 in Egypt.

Project Overview:

ISA is now conducting Phase 2 of this study. It comprises of three activities:

- Deep Dive into shortlisted 10 member countries across all geographies1
- Design, develop and launch GH tools
- Create commercial frameworks for the development of hydrogen hubs.

ISA is conducting an in-depth readiness assessment to evaluate the GH ecosystem in Tunisia and Ghana. The deep dive study aims to provide a readiness assessment for production/use of green hydrogen, encompassing national policies/strategies for production/end-use of green hydrogen, regulations, partnerships and cooperations, market development and sector attractiveness, such as:

- **Power Generation and Storage**
- **Transportation**
- **Fertilizers & Chemicals**
- **Steel & cement**

Expected Outcomes:

The workshop will provide key insights and recommendations to support GH ecosystem development in Tunisia and Ghana, including:

- **Country-level GH infrastructure assessment -** Identifying critical enablers for large-scale adoption.
- **Evaluation of policy and regulatory frameworks -** Analysing existing policies and potential areas for reform.
- **Infrastructure readiness and gap analysis -** Understanding the current capacity and future expansion needs.
- **Cost assessment of GH production -** Exploring the feasibility of GH generation using solar PV, wind, CSP, and other renewable sources.
- **Actionable stakeholder recommendations -** Gathering expert inputs to shape a robust GH 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 - Ghana	3	**Mr. Seth Mahu**, Director, Renewable Energy, Ministry of Energy and Green Transition, Ghana, Hon'ble NFP to ISA
3	Keynote address - Tunisia	3	**Ms. Balkis JRAD**, Public Services Advisor, General Directorate of Electricity and Energy Transition, Ministry of Industry, Mines and Energy, Tunisia, Hon'ble NFP to ISA
4	ISA Presentation - Solar for Green Hydrogen Programme	5	**Dr. Mridula Bharadwaj** (Programme Lead – Green Hydrogen, ISA)
5	Presentation - Readiness Assessment of Green Hydrogen in African Countries	40	**ISA Project team (KPMG)**
6	Stakeholders' feedback, Q/A and discussion	30	Q/A and discussions
7	Closing remarks	2	**Mr. Ramesh Kumar Kuruppath** (Chief of Unit, PPIC, ISA)
8	Vote of Thanks	2	**Dr. Barakat Ahmed** (Regional Head, Africa, ISA)
9	**Total Time**	**90**	

Why Attend?

- Insights and discussions on Tunisia and Ghana's GH potential.
- Identify challenges and opportunities for the countries.
- Engage with policymakers, industry leaders, and experts.

1 The ten countries are Nepal, Bhutan, Sri Lanka, Fiji, Papua New Guinea, Peru, Argentina, Trinidad and Tobago, Tunisia, and Ghana