

Ecosystem Readiness Assessment for Production and Utilisation of

GREEN HYDROGEN

Stakeholder Consultation Workshop (Pacific: Fiji and Papua New Guinea)



Date: 27th February 2025, 2:30 PM – 4:00 PM (Fiji Standard Time); 12:30 PM - 2:00 PM (PNG Time); 8:00 AM - 9:30 AM (Indian Standard 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 Fiji and Papua New Guinea. 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 Fiji and Papua New Guinea, 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	Welcome address	5	Mr. Emanuele Bianco , Energy Specialist, Asian Development Bank
3	Keynote address - Fiji	3	Mr. Mikaele Belena , Director Energy, Department of Energy, Fiji (Ministry of Public Works, Meteorological Services and Transport), Hon'ble NFP to ISA
4	Keynote address - Papua New Guinea	3	Mr. Ronald Meketa , Managing Director, National Energy Authority, Papua New Guinea, Hon'ble NFP to ISA
5	ISA Presentation - Solar for Green Hydrogen Programme	5	Dr. Mridula Bharadwaj (Programme Lead – Green Hydrogen, ISA – ADB TA)
6	Presentation - Readiness Assessment of Green Hydrogen in Pacific Countries	40	ISA Project team (KPMG)
7	Stakeholders' feedback, Q/A and discussion	25	Q/A and discussions
8	Closing remarks	2	Mr. Ramesh Kumar Kuruppath (Chief of Unit, PPIC, ISA)
9	Vote of Thanks	2	Ms. Sandeep K. Singh (Regional Head, Pacific Islands, ISA)
10	Total Time	90	

Why Attend?

- Insights and discussions on Fiji and Papua New Guinea's GH potential.
- Identify challenges and opportunities for the countries.
- Engage with policymakers, industry leaders, and experts.
- Contribute to shaping policy recommendations and roadmaps.

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