

Convenor
Global Leadership Task Force of
Corporates on Innovation by ISA**Let us make the sun brighter**

INTERNATIONAL SOLAR ALLIANCE

FIRST World Solar Technology Summit

September 08, 2020 | 16:30 – 21:30 PM IST

The International Solar Alliance (ISA), a treaty-based international intergovernmental organisation, was launched by H.E. Narendra Modi, Hon'ble Prime Minister of India, and H.E. François Hollande, former President of France, in the presence of H.E. Ban Ki Moon, former Secretary-General of the United Nations, in Paris on November 30, 2015 and on the side lines of the Conference of Parties (COP) 21 of the United Nations Framework Convention on Climate Change. The Paris Declaration establishes ISA as an alliance dedicated to the promotion of solar energy among its Member Countries. The major objectives of the organization include deployment of 1000 GW of solar capacity and mobilisation of US\$ 1000 billion of investment in solar energy sector by 2030. As an action-oriented organisation, ISA intends to bring together member countries to aggregate demand and realise economies of scale, resulting in reduction of costs of solar applications, facilitating deployment of existing solar technologies at scale, and promoting collaborative solar R&D and capacity. As on June 26 2020, the ISA Framework Agreement has been signed by 86 countries, with 67 having also deposited instruments of ratification. The ISA is headquartered at Gurugram in Haryana, India. H.E. Mr. Upendra Tripathy is the Director General of International Solar Alliance.

Contextual Background

There is a gap at present in the application of solar technologies to the very large un-met demand for solar-powered technologies in most countries. There is an incidental shortage of solar energy manufacturing eco-system, acquisition, diffusion, indigenization & absorption of technologies. With increasing applications, import of solar technologies has also been increasing. These apart, absence of universal energy access, energy equity and affordability are issues common to many ISA member countries. Solar technologies have made significant progress and are now considered as a viable option for meeting energy needs in a sustainable manner. The Framework Agreement of ISA calls for adaptation of solar technologies in member countries to reduce cost of finance and cost of technology, so that its deployment can be scaled up. ISA is working with its member countries to formulate projects and programmes to accelerate development and deployment of existing clean solar projects, the potential for which largely remain untapped. ISA is also facilitating capacity building for promotion and adoption of solar technologies and R&D among member countries to bridge the gap.

About the First World Solar Technology Summit 2020

ISA is organising the First World Solar Technology Summit (WSTS) at a virtual platform on September 08, 2020. The Hon'ble Prime Minister of India Shri Narendra Modi will grace the Inaugural Ceremony at the Summit. The Summit aims to bring together key stakeholders – policymakers, leading scientists, technology developers, researchers and innovators to present and discuss the recent developments of solar technologies. The main objective of WSTS is to showcase to the member countries the state-of-the-art and next-generation solar technologies worldwide and to give an opportunity to key decision-makers and stakeholders to share their perspectives, priorities and strategic agenda towards a larger integration of solar energy.

Key Focus Areas

- to promote solar technologies, new business models and investment in the solar sector to enhance prosperity;
- to formulate projects and programmes to promote solar applications;
- to develop innovative financial mechanisms to reduce cost of capital;
- to build a common knowledge e-Portal; and
- to facilitate capacity building for promotion and absorption of solar technologies and R&D among member countries.

Scope and Format of Summit

The Summit's Agenda shall include:

- Opening Plenary Session to be addressed by Hon'ble Prime Minister of India, other high-level dignitaries, and Introductory speeches by Nobel Laureates

Global CEOs Session

Four technical sessions of 45 Minutes each in two sets of parallel sessions:

- a) Session -1: The overall context of PV technology development and its future, on its way towards becoming the first source of energy worldwide, with PV technologies supplying 70% of the world's electricity generation.
 - b) Session -2: The most recent advances (conversion efficiency improvements and declining costs) regarding key components such as PV modules and storage technologies.
 - c) Session -3: On-grid applications, whether ground-mounted, floating, or integrated in residential and commercial rooftops.
 - d) Session -4: Innovative applications where PV is used to move, heat, cool, and drive eco-friendly industrial processes and produce fuels as well as off-grid applications, to provide universal access to energy.
- Valedictory Session to be addressed by Ministers and high level dignitaries from ISA member countries

**Participant Profile:**

The event is open to all stakeholders. Participants to the event will include Ministers, High-Level Dignitaries, National Focal Points and senior government functionaries from ISA member countries, diplomatic missions, ISA Partners, business and industry, solar project developers, solar manufacturers, R&D institutions, academia and think tanks, civil society, international organizations and donors, representatives of non-governmental and community-based organizations, academics, research and training institutes, international media, multilateral and bilateral agencies. .