



## **INTERNATIONAL SOLAR ALLIANCE**

### **World Solar Technology Summit, 2020**

September 08, 2020 | 04:30 – 09:30 PM IST

The International Solar Alliance (ISA) is a treaty-based international intergovernmental organisation. ISA 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, at Paris on November 30, 2015 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.

#### **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 World Solar Technology Summit, 2020**

It is proposed to organise World Solar Technology Summit (WSTS) on September 08, 2020. The Hon'ble Prime Minister of India Shri Narendra Modi shall grace the Inaugural Ceremony. The Summit aims to bring together key stakeholders - leading academic scientists, technology developers, researchers and innovators to present and discuss the recent highlights of solar technologies, cost-wise; technology-wise, technology transfers, challenges and concerns in the field. The main objective of WSTS is to showcase to member countries the state of the art and next-generation solar technologies worldwide and to give an opportunity to decision-makers and stakeholders to meet, and discuss their own priorities and strategic agenda towards a larger integration.

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WORLD SOLAR TECHNOLOGY SUMMIT**

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**PROVISIONAL AGENDA**

<b>Medium: Virtual</b>	
<b>OPENING PLENARY SESSION</b> <b>16:30 – 18:00 Hrs</b>	
16:30 Hrs.	<b>Arrival (Virtual) of the VVIP</b>
16:30 – 16:31 Hrs	Silent prayer for the departed souls that battled Covid-19
16:31 – 16:36 Hrs. <b>Welcome Address</b>	<b>Shri R.K. Singh,</b> Hon’ble Minister of Power, New and Renewable Energy and Skill Development, Govt. of India and President of the ISA Assembly.
16 :36 -16 :39 Hrs <b>Special Address</b>	<b>Prof. K. VijayRaghavan * (TBC)</b> Principal Scientific Advisor to Government of India
16:39 – 16:44 Hrs. <b>Keynote Address</b>	<b>Ms Barbara Pompili, * (TBC)</b> Hon’ble Minister of Ecological Transition, Govt. of France and Co-President of the ISA Assembly.
16:44 -16:49 Hrs <b>Special Address</b>	<b>Mr. Bertrand Piccard</b> Chairman, Solar Impulse Foundation
16:49 – 16:52 Hrs <b>Special Address</b>	<b>Dr. Dharendra Yogi Goswami</b> Distinguished University Professor in Chemical Engineering, Director of the Clean Research Centre, University of South Florida, USA
16:52 – 17:02 Hrs <b>Keynote Address</b>	<b>Nobel laureate Dr M. Stanley Whittingham</b> Director and Professor of Chemistry, Institute for Materials Research and the Materials Science and Engineering Program Binghamton University, State University of New York.
17:02 – 17:05 Hrs <b>Special Address</b>	<b>Dr. Sangita Reddy</b> President of FICCI. ISA’s Industry Partner for World Solar Technology Summit
17:05 – 17:08 Hrs <b>Action Agenda</b>	<b>Mr. Uday Kotak</b> President of CII. To hand over the Corporate partnership letters to Hon’ble Prime Minister.
17:08 -17:13 Hrs <b>Keynote Address</b>	<b>Ms. Ursula Von der Leyen * (TBC)</b> Hon’ble President, European Commission, Belgium
17:13 – 17:56 Hrs. <b>Inaugural Address</b>	<b>Shri Narendra Modi</b> Hon’ble Prime Minister of India

17:56– 18:00 Hrs. <b>Vote of Thanks</b>	<b>Mr. Upendra Tripathy,</b> Director General, International Solar Alliance Secretariat
18:00 Hrs	<b>Departure of VVIP</b>
<b><i>SESSIONS TO FOLLOW</i></b>	
<b>Session: 2</b>	<b>GLOBAL CEO'S SESSION</b> <b>18:00 – 19:00 Hrs</b>
<b>Discussion Points</b>	Moderated panel discussion among the CEOs of some of the world's largest corporations that contribute greatly towards the promotion of solar energy integration with other renewables and storage for sustainable energy solutions. The discussions would be linked around the creation of an innovative ecosystem that could promote the expansion of the solar energy landscape globally.
<b>Opening Remarks</b>	
<b>Panellists</b> (*To be confirmed)	<b>Mr. Masayoshi Son*</b> , Chairman & CEO, SoftBank <b>Mr. Jean-Pascal Tricoire</b> , Chairman & CEO, Schneider Electric <b>Mr. Eric Rondolat</b> , Chief Executive Officer, Signify <b>Mr. Natarajan Chandrasekaran*</b> , Chairman, TATA Group <b>Mr. Shawn Qu*</b> , Chairman & CEO, Canadian Solar <b>Mr. Ratan N. Tata</b> , Chairman, Tata Trust, Chairman Emeritus, Tata Sons <b>Mr. Gautam Adani</b> , Chairman and Founder, Adani Group <b>Mr Jean-Pierre Clamadieu*</b> , Chairman of the Board of Directors, ENGIE <b>Mr Kumar Mangalam Birla*</b> , Chairman, Aditya Birla Group <b>Mr Kazuhiro Tsuga*</b> , Chief Executive Officer, Panasonic <b>Mr. Anand G Mahindra</b> , Chairman & Managing Director, Mahindra & Mahindra Ltd
<b>Technical Session:</b> <b>3.1</b>	<b>VISION 2030 AND BEYOND</b> <b>19:00 – 19:50 Hrs</b>
<b>Discussion Points</b>	This session will describe the current solar PV situation (technologies, markets, manufacturing capacities) and its future prospect up to 2050, explaining how the solar sector will revolutionize allied sectors such as the transportation sector and agricultural sector among others.
19:00 – 19:05 Hrs <b>Vice-Presidential Remarks</b>	<b>Session Chair: H.E. Mr. Poasi MattaeleTei* (TBC)</b> Hon'ble Minister for Meteorology, Energy, Information Management, Environment, Climate Change & Communications of Tonga & Vice President, ISA Assembly (Asia Pacific).

19:05 – 19:25 Hrs <b>Keynote Address</b>	<b>Prof. Christian Breyer,</b> Lappeenranta University of Technology, Finland (LUT)
19:25-19:35 Hrs <b>Presentation</b>	<b>Mr. Gianni Chianetta,</b> Chairman, Global Solar Council, Italy
19:35 – 19:45 Hrs <b>Presentation</b>	<b>Dr. Jutta Trube*</b> Director Photovoltaic Equipment bei VDMA, International Technology Roadmap for Photovoltaic (ITRPV), Germany
19:45 – 19:50 Hrs <b>Open House</b>	<b>Q &amp; A</b> (Limited questions as per time availability)
<b>Technical Session: 3.2</b>	<b>TOWARDS GRID DECARBONISATION</b> <b>19:00 – 19:50 Hrs</b>
<b>Discussion Points</b>	Solar parks are vital for providing low-cost electricity. This session will focus on understanding how best to achieve such low-cost electricity, and answer questions regarding the impacts of optimization on a larger scale: socio-economic and environmental impacts, services to the grid system, etc.
19:00–19:05 Hrs <i>Vice-Presidential Remarks</i>	<b>Session Chair: The Rt Hon Alok Sharma MP* (TBC)</b> Secretary of State for Business, Energy and Industrial Strategy, Government of UK and Vice President, ISA Assembly (Europe Region).
19:05 – 19:15 Hrs <b>Presentation</b>	<b>Mr. Patrick Charignon</b> Director Asia, EDF ENR
19:15-19:25 Hrs <b>Presentation</b>	<b>Mr. Mahindra Jain,</b> Addl. Chief Secretary, (Power), Government of Karnataka, India
19:25 – 19:35 Hrs <b>Presentation</b>	<b>Mr. J N Swain,</b> Chairman & Managing Director (Solar Energy Corporation of India
19:35-19:45Hrs <b>Presentation</b>	<b>Mr. Nikit Abhyankar,</b> Lawrence Berkeley National Laboratory, USA
19:45 – 19:50 Hrs	<b>Q &amp; A</b> (Limited questions as per time availability)
<b>Session: 4.1</b>	<b>DISRUPTIVE SOLAR TECHNOLOGIES</b> <b>19:50 – 20:40 Hrs</b>
<b>Discussion Points</b>	Technological innovation has supported most of the improvements in terms of performance and costs over decades. This session will address some key innovations that are being rolled-out in to the market in the mid-or long-term.
19:50 – 19:55 Hrs <i>Vice-Presidential Remarks</i>	<b>Session Chair: H.E. Mr. Abla Bidamon Dederiwe* (TBC)</b> Minister of Mines and Energy, Togolese Republic &ISA Assembly Vice President (Africa region)

19:55 – 20:03 Hrs <b>Keynote Address</b>	<b>Prof. Eicke Weber</b> Chairman, European Solar Manufacturing Council, (ESMC)
20:03 -20:13 Hrs <b>Presentation</b>	<b>Mr. Gunter Erfurt</b> Chief Executive Officer, Meyer & Burger Technology Ltd., Germany
20:13 – 20:23 Hrs <b>Presentation</b>	<b>Mr. Stefan Reber</b> Chief Executive Officer, NexWafe
20:23–20:31 Hrs <b>Address</b>	<b>Dr. Chris Case* (TBC)</b> <b>Chief Technology Officer, Oxford PV</b>
<b>Presentation</b> 20:31 – 20:40 Hrs	<b>Prof. Martin Green*(TBC)</b> University of New South Wales (UNSW) Sydney, Australia.
<b>Session: 4.2</b>	<b>SOLAR BEYOND THE POWER SECTOR</b> <b>19.50 to 20.40 Hrs</b>
<b>Discussions Points</b>	Beyond large-scale solar parks, photovoltaics can be applied to a large number of applications, for instance in the transportation sector with solar mobility, or in the building sector with rooftops and BIPV among others.
19:50 – 19:55 Hrs <i>Vice-Presidential Remarks</i>	<b>Session Chair: H.E. Mr. Luis Miguel Incháustegui Zevallos</b> Minister of Energy and Mines, Republic of Peru and Vice President, ISA Assembly (LAC Region)
19 :55 – 20 :10 Hrs <b>Keynote Address</b>	<b>Bertrand Piccard FRSGS</b> Founder and chairman, Solar Impulse Foundation, Switzerland
20 :10 – 20 :20 Hrs <b>Presentation</b>	<b>Mr. Eric Scotto,</b> Chief Executive Officer & Co-founder, Akuo Energy
20:20 – 20:30 Hrs <b>Address</b>	<b>Mr. Arun Ramakrishnan,</b> Chief Technical Officer, Sono Motors, Germany
20:30 – 20:40 Hrs <b>Presentation</b>	<b>Mr. David Richard</b> Chief Executive Officer, Activskeen

<b>SESSION : 5</b>	<b>VALEDICTORY SESSION</b> <b>20 :40 – 21 :30 Hrs</b>
20 :40 – 20 :45 Hrs <b>Welcome Address</b>	<b>Mr. Upendra Tripathy</b> Director General, International Solar Alliance
20 :45 - 20 :50 Hrs <b>Setting the Context</b>	<b>H.E. Shri Indu Shekhar Chaturvedi*</b> (TBC) Secretary, Ministry of New and Renewable Energy, Govt. of India
20 :50 – 20 :55 Hrs <b>Address</b>	<b>H.E. Shri Sanjiv Nandan Sahai *</b> (TBC) Secretary, Ministry of Power, Government of India
20 55 – 21:00 Hrs <b>Keynote Address</b>	<b>H.E. Shri Suresh Prabhu</b> Prime Minister’s Sherpa to the G7 and G20
21:00 – 21:05 Hrs <b>Keynote Address</b>	<b>H.E. Shri Dharmendra Pradhan*</b> (TBC) Minister of Petroleum & NG and Steel, Government of India
21:05 – 21:10 Hrs <b>Keynote Address</b>	<b>H.E. Shri Piyush Goyal</b> Minister of Railways, Commerce & Industry, Govt of India
21:10 – 21:15 Hrs <b>Special Address</b>	<b>H.E. Smt. Nirmala Sitharaman*</b> (TBC) Minister of Finance; and Minister of Corporate Affairs
21:15 – 21:20 Hrs <b>Co-Valedictory Address</b>	<b>H.E. Mr. Jean-Yves Le Drian*</b> (TBC) Minister of Europe and Foreign Affairs, Republic of France
21:20 - 21:25 Hrs <b>Valedictory Address</b>	<b>H.E. Shri S. Jaishankar*</b> (TBC) Minister of External Affairs, Government of India
21:25 – 21:30 Hrs <b>Vote of Thanks</b>	<b>Dr. Philippe Mallbranche</b> Director (Programmes), International Solar Alliance Secretariat
<b>END OF SUMMIT</b>	