



**Session (Virtual) on Development of Ground mounted/Floating Solar PV Projects  
in ISA Member Countries under ISA Program-06  
October 21<sup>st</sup> 2021 (1530 HRS – 1630 HRS IST)**

ISA, an inter-governmental treaty-based international organization with a global mandate to promote solar, is catalyzing the global solar growth by helping to reduce the cost of financing and technology for solar. In fulfilling this mandate, the ISA is committed to establishing solar as a shared solution that simultaneously addresses climate, energy, and economic priorities across geographies, facilitating Energy Transition at a global level, Energy Security at national levels, while also ensuring Energy Access at the local level.

Globally, the need for Renewable energy driven energy transition for a sustainable economic growth has been under discussion for quite some time. The recent IPCC report has brought out the necessity for accelerating the renewable energy at a much faster pace to contain the perils of climate change and this transition could be driven by Solar which is a resource available to all countries.

While various solar applications like Mini grids, Grid connected Rooftop etc. are very important, installation of large ground mounted solar projects assumes special significance for achieving energy transition at a faster pace. Realizing the importance of this, ISA had launched a separate Programme in April'2020 for assisting development of Large-Scale Solar Power Projects in ISA Member countries.

The Programme envisages a flexible model of implementation of Grid connected Solar Projects both ground mounted as well as Floating solar projects. Floating solar is gaining popularity among countries especially for countries where land and transmission systems are major constraints. Setting up of floating solar in reservoir based hydro projects gives very distinct advantages by combined operation. Solar Parks/Projects could also be developed based on cluster-based approach among various countries of a Regional/Common Power Pool can result in shared various Operational, Economic, and Environmental benefits.

The Implementation Model under this programme envisages the Projects/Parks to be set up on Build Own Operate (BOO) or Build Own Operate and Transfer (BOOT) model by Independent Power Producers (IPPs). The Sovereign Governments of the member countries are not required to make any upfront investments in the Projects and only need to ensure signing of the Power Purchase Agreements (PPA) with the selected IPPs.

ISA Secretariat has been assisting the interested member countries for finalizing the solar Projects/Parks after making country level assessment and prepare pre-feasibility reports for identification of projects. ISA Secretariat has selected NTPC Limited through a competitive process for giving Project Management services (PMC) to the member countries who will assist the countries right from identification of projects, project structuring, preparation of commercial documents, selection of IPP, signing of PPA etc., till project commissioning.

Ten countries have already joined this programme and many more countries are in the process of joining. ISA Secretariat has been preparing the country assessment reports progressively to cover all the countries.

This session would bring out the experiences of ISA Secretariat and NTPC so far, in implementing this programme. NTPC will also showcase a floating solar project being implemented in the state of Telangana in India to get a real time experience for member countries. The opportunities and challenges related to on ground execution would also be shared by some of the EPC player and well as Project developers.

This gives an opportunity to all the countries associated with ISA to take the assistance of ISA for development of ground mounted/ Floating solar Projects in most efficient and economical manner for rapid scaling of their solar portfolio in their countries.



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## **Agenda**

**Session Moderator:** Mr. Remesh Kumar, Additional Director (Programmes & Projects), ISA

<b>Time (IST)</b>	<b>Agenda</b>	<b>Speaker details</b>
15:30-15:35	Opening Remarks	H.E. Dr Ajay Mathur, Director General, ISA
15:35-15:40	Special Address	H.E. Ms. Grace Akello, Hon'ble High Commissioner of Republic of Uganda, New Delhi
15:40-15:41	Launch of ISA E-Book for Development of Large-Scale Solar Projects/Park	
15:41-15:50	Development of Ground mounted/Floating Solar PV Projects under ISA Program-06	Mr. Mohit Jain, Joint Director (Solar Parks), ISA
15:50-16:05	Implementation of Ground mounted/Floating Solar PV Projects experience in India and other Countries	Brief Opening Remarks by Sh. U. K. Bhattacharya, Director (Projects) NTPC Ltd followed up by a Presentation from Sh. N. M. Gupta, Head (International Business Development), NTPC Ltd (PMC partner of ISA)
16:05-16:15	Execution experience of 50 MW Blitta Solar Project in Togo	Sh. Raghav Gupta, Vice President (Solar EPC), M/s. Jakson Engg, India
16:15-16:25	Challenges and opportunities in Project implementation in Mali	Dr. Ibrahim Togola, M/s. Access SA, Mali
16:25-16:30	Concluding Remarks and session closing	Sh. Amit Kaushik, Chief of Unit (Programmes & Projects Cluster), ISA