



Fourth Assembly of ISA

Why in News

Recently, the **fourth general assembly** of the International Solar Alliance (ISA) was held.

- A total of 108 countries participated in the assembly, including 74 member countries, 34 observer and prospective countries, 23 partner organisations and 33 special invitee organisations.

Key Points

▪ About the International Solar Alliance (ISA):

- The ISA is an **intergovernmental treaty-based organisation** with a global mandate to catalyse solar growth by helping to reduce the cost of financing and technology.
- ISA, **co-founded by India and France during the 2015 climate change conference in Paris** has assumed centre-stage for India's attempts at a global climate leadership role.
- ISA is the **nodal agency for implementing [One Sun One World One Grid \(OSOWOG\)](#)**, which seeks to transfer solar power generated in one region to feed the electricity demands of others.
- India has allotted **5 acres of land to the ISA** in **National Institute of Solar Energy (NISE)** campus, Gurugram and has released a sum of Rs. 160 crore for creating a corpus fund, building infrastructure and meeting day to day recurring expenditure of the ISA up to the year 2021-22.
 - NISE is an **autonomous institution** of the **Ministry of New and Renewable (MNRE)** and is the apex National R&D institution in the field of Solar Energy.

▪ Highlights of the Assembly:

◦ Solar Investments:

- A promise to **achieve USD 1 trillion global investments** in solar energy by 2030.
- A **Solar Investment Action Agenda** and a **Solar Investment Roadmap** will be **launched at [COP26 \(United Nations \(UN\) Climate Change Conference\)](#).**

◦ On One Sun One World One Grid (OSOWOG):

- **Gave a green light to** the "One Sun" political declaration for the launch of **Green Grids Initiative-[One Sun One World One Grid \(GGI-OSOWOG\)](#) at [COP26](#).**
 - **OSOWOG:** The concept of a **single global grid for solar** was first outlined at the **[First Assembly of the ISA](#)** in late 2018.
 - **COP 26 Green Grid Initiative:** The aim of this initiative is to help achieve the pace and scale of reforms to infrastructure and market structures needed to underpin the global energy transition.

◦ New ISA Programmes:

- New ISA programmes launched **on management of solar PV panels & battery**

usage waste and solar hydrogen programme.

- The **new Hydrogen initiative** is aimed at enabling the use of solar electricity to produce hydrogen at a more affordable rate than what is available currently (USD 5 per KG), by bringing it down to USD 2 per KG.

▪ **Some Solar Energy Initiatives of India:**

- **National Solar Mission** (a part of National Action Plan on Climate Change): To **establish India as a global leader in solar energy**, by creating the policy conditions for its diffusion across the country as quickly as possible.
- **INDC's target**: It targets installing 100 GW grid-connected solar power plants by the year 2022.
 - This is in line with **India's Intended Nationally Determined Contributions (INDCs)** target to achieve about 40% cumulative electric power installed capacity from non-fossil fuel based energy resources and to reduce the emission intensity of its GDP by 33 to 35% from 2005 level by 2030.
- **International Solar Alliance (ISA)** and **One Sun One World One Grid (OSOWOG)**:
- **Government Schemes**: Such as **Solar Park Scheme**, Canal bank & Canal top Scheme, Bundling Scheme, Grid Connected **Solar Rooftop Scheme** etc.
- **First Green Hydrogen Mobility project**: National Thermal Power Corporation Limited (NTPC) Renewable Energy Ltd (REL) signed a Memorandum of Understanding with the Union Territory of Ladakh to set up the country's first Green Hydrogen Mobility project. **Green hydrogen** is produced by electrolysis of water **using renewable energy (like Solar, Wind)** and has a lower carbon footprint.

Source: PIB

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