

High Level Dialogue- One Sun, One World, One Grid (OSOWOG)

21st July, 2023 (16:00 to 1715 hrs IST), Grand Hyatt Hotel (Ballroom-1)

Concept Note

Session Title	OSOWOG – High Level Dialogue
Organising Team	PPIC,ISA - Mr. Remesh Kumar / Mr. Pankaj Khurana
Context	<p>The One Sun, One World, One Grid (OSOWOG) initiative is rooted in the vision put forth by the Hon’ble Prime Minister of India Narendra Modi at the First Assembly of the ISA in October 2018. Driven by the mantra “The Sun Never Sets”, the OSOWOG initiative envisages the interconnection of all forms of renewable energy (solar, wind, hydro, and green hydrogen) generators, storage, and loads across continents with a trans-continental power transmission grid - One Grid for One Sun in One World.</p> <p>Ever since the announcement of One Sun One World One Grid (OSOWOG), considerable progress has been made not only in India, but also in different parts around the world. This initiative aims to connect different regional grids through a common grid that would be used to transmit renewable energy power and is further anticipated to realize the potential of renewable energy sources, mainly solar, followed by wind. Furthermore, the OSOWOG initiative has been considered as a potential solution to overcome the challenges presented by the intermittent nature of renewable energy and their high-cost energy storage facilities.</p> <p>In line with this objective, the OSOWOG would help in establishing common international electricity networks of interconnected solar power grids, formed by the combination of broad-scale solar power stations, wind parks, and other solar rooftop projects. Currently, the effort is being headed by the governments of potential countries in collaboration with financial institutions, associations, etc. The partnership would help in ensuring a reliable, resilient, and affordable supply of clean energy in whole across the globe. To achieve this, coordinated actions between the technical and financial institutions, governments, power system operators, legislators, and other key stakeholders are required.</p>

	<p>Enabling such an ambitious OSOWOG would create a global ecosystem of interconnected renewables, benefiting the aim of achieving global sustainability. In parallel, the effort would fuel the momentum of investments necessary for low-carbon technologies like innovative solar projects and thus also help generate millions of green jobs.</p> <p>MI's Green Powered Future Mission (GPFI) will be supporting OSOWOG with its aim to demonstrate that by 2030, power systems in different geographies and climates can effectively integrate up to 100 % variable renewable energies and maintain a cost-efficient, secure and resilient system. As a first step, five continental demonstrators will be implemented to share knowledge, expertise, and progress of innovative solutions in different system conditions.</p> <p>To propel the OSOWOG efforts, CEM and MI governments can help build an effective clean energy transition pathway shifting away from fossil fuels. This can be realized by encouraging the involvement of leading technical and financial institutions worldwide, escalating research and knowledge-sharing activities among nations, etc. Along with this, bringing together technology leaders and power generators, governments need to work together to reassess the opportunities for cross-border regional power interconnection and smart grids to support the transition to clean power systems, including opportunities previously considered but not taken forward. This high-level dialogue will help identify such opportunities for collaboration and draw in the experience of regional efforts underway around the world in realising the common goal of interconnected grids to increase the uptake of variable renewable energy sources.</p>
<p>Session objectives/ Potential Outcomes</p>	<p>The purpose of this discussion will be to share and initiate inter-governmental discussions to identify potential paths for countries and regions around the world as well as other stakeholders to come together to ensure the successful implementation of the OSOWOG initiative. Furthermore, the discussion will encourage collaboration and idea-sharing among countries and other stakeholders (public and private sectors) to work together on building an interconnected and resilient electricity grid.</p>
<p>Agenda</p>	<p>Included in the Annexure</p>
<p>Date and Location</p>	<p>21st July,2023 (1600 to 1715 hrs Local Time)</p>
<p>Medium of participation</p>	<p>In-person</p>



Annexure (Event timings: 16:00 hrs to 17:15 hrs)

Agenda Item	Speakers
Welcome Remarks and Keynote address (3 minutes)	Dr. Ajay Mathur, DG, ISA
Address by Chair (3 minutes)	Shri R K Singh, Hon'ble Minister of Power and New & Renewable Energy, India
Address by Co-Chair (3 minutes)	H.E. Mr. Grant Shapps, Hon'ble Secretary of State for Energy Security and Net Zero, Government of United Kingdom
Presentation (5 minutes)	Dr. Subir Sen – Executive Director (POWERGRID), Head of Task Force (OSOWOG)
Key Interventions (3 -4 min each speaker) Moderator (DG,ISA)	<ol style="list-style-type: none"> 1. H.E.Mr. Suhail Mohammed Faraj Al Mazroui Minister of Energy, UAE 2. H.E. Gao Hongshan, Hon'ble Minister Chancellor at Chinese Embassy, Government of China 3. Mr. Demetrios Papathanasiou, Global Director-Energy, World bank 4. Mr. Sanjiv Nandan Sahai, Director General, Power Foundation of India 5. Mr. K.Sreekant, CMD-POWERGRID 6. Mr. S.R.Narasimhan,CMD-Grid India 7. Mr. Ghanshyam Prasad, Chairperson-CEA 8. Mr. Claudio Facchin, CEO- Hitachi Energy 9. Mr.Luciano Martini, Chairman- ISGAN 10. Mr. Dilip Nigam, Advisor, Scientist 'G',MNRE. 11. Mr. Rob Cooke, Senior Policy Advisor,GGI 12. Mr. Richard Sedano, Chief Executive Officer, Regulatory Assistance Project 13. Mr. Ben Backwell, Chief Executive Officer, Global Wind Energy Council 14. Mr. Bruce Douglas, Chief Executive Officer, Global Renewables Alliance
QA Session (5 minutes)	Audience
Closing remarks & Vote of Thanks (2 minutes)	Dr. Ajay Mathur, DG, ISA

