

TRANSFORMING REGIONAL ELECTRICITY GREEN GRIDS – SOUTH ASIA AND BEYOND

Co-organized with International Solar Alliance

Background

Integrated electricity grids have revolutionized how countries collaborate by connecting smaller power systems into regional grids. Globally, over twenty regional electrical grid interconnections are being developed, demonstrating the economic resilience and energy security benefits of these large power pools. South Asia, heavily reliant on fossil fuels and energy imports, stands to gain significantly from such an approach. The region's clean energy potential is vast, with approximately 350 GW of hydropower, over 1000 GW of solar, and 1289 GW of wind energy resources. However, only a fraction of this potential has been harnessed—around 20% of the hydropower capacity—highlighting the need for robust energy integration.

A robust Regional Electricity Green Grid, allowing for Cross Border Electricity Trade (CBET) and a unified electricity market, can drive the clean energy transition in the region. India's One Sun One World One Grid (OSOWOG) initiative, launched by Hon'ble Prime Minister Narendra Modi, aims to link regional grids and enable renewable energy sharing on a global scale, particularly focusing on solar energy. This session will explore how these developments can help secure a sustainable and prosperous energy future for South Asia.

DATE: OCTOBER 22, 2024
TIME: 11:30 - 13:00

Session Objectives

- Explore the role of Cross Border Electricity Trade (CBET) and Regional Energy Markets in addressing South Asia's clean energy transition and energy security challenges.
- Identify challenges and opportunities in designing and developing Cross Border Green Energy Corridors and Regional Electricity Green Grids (REGG)
- Highlight international best practices and strategies for regional planning and collaboration

Agenda

11:30 - 11:40	<p>Opening Remarks by Dinesh Kumar Ghimire, Ex-Secretary, Ministry of Energy, Water Resources and Irrigation (MOWERI), Government of Nepal</p>
11:40 - 11:55	<p>Session Theme Presentation: “Transforming Regional Electricity Green Grids for Enhanced Energy Security and Accelerating Clean Energy Transition – Integrating South Asia and Beyond” by Rajiv Ratna Panda, USAID’s SAREP</p>
11:55 - 12:45	<p>Panel Discussion</p> <p>Moderator: Monali Zeya Hazra, Senior Regional Energy Specialist and Mission Environment Officer, Indo Pacific Office, USAID/India</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Ramesh Kumar Kuruppath, Additional Director, International Solar Alliance (ISA), on ‘One Sun One World One Grid (OSOWOG)-Vision, Design and Progress’ • Dr. Nasser Al-Shahrani, Chief Operations Officer, Gulf Cooperation Council Interconnection Authority (GCCIA) on ‘Experience from Gulf on Regional Interconnection and Power Trade’ (Virtual) • Prakash Chand Garg, Chief Operating Officer, Central Transmission Utility of India Ltd on ‘Cross Border Electricity Grid Interconnections in South Asia Region and Experience of Green Energy Corridor’ • Bibek Chapagain, Development Specialist, RCM/Nepal, Millennium Challenge Corporation (MCC):-“MCC’s Nepal Experience on Advancing Cross Border Electricity Trade Transmission Infrastructure in Nepal” • Phuong Thanh Tung, Senior Program Officer, ASEAN Energy Centre on ‘ASEAN Experience on ASEAN Power Grid (APG) Design, Planning, Implementation and Trilateral/Multilateral Cross Border Electricity Trade’ (Virtual) • Rajiv Kumar Porwal, Director (System Operation), GRID-INDIA on ‘Key Ingredients and Requisites for Safe, Secure, and Reliable Operation Interconnected Electricity Grids and Regional Frameworks for Regional Grid Operation • V K Aggarwal, Senior Advisor, SAREP
12:45 - 12:55	<p>Q&A Session</p>
12:55 - 13:00	<p>Closing Remarks & Key Takeaways by Namrata Mukherjee, USAID’s SAREP</p>

