

Concept Paper		
Video Conference to Disseminate Study on "Assessment of Wind and Solar Power Forecasting Techniques in SAARC Countries"		
Video Conference	PRG-213/2021/PROMO	SEC

Background:

Solar and wind power is beyond one’s control, however it can be predicted well enough to provide stable grid operation by use of contemporary forecasting techniques. SAARC countries have ambitious plans for the integration of wind and solar power into their electricity mix. The intermittent nature inherent to the wind and solar power generation, dependent on the availability of sunshine and wind at any given moment, invariably result in peculiar electricity planning and dispatch related problems to regulators, dispatch companies and utilities. Innovative research endeavors have resulted in solutions down to minutes ahead predictions of power available, aiding the energy traders, utilities, grid operators, and plant owners and operators in varying capacity. To assess the current state of the art in wind and solar power forecasting, SEC conducted a study on *“Assessment of Wind and Solar Power Forecasting Techniques in SAARC Countries”* in FY 2020.

Introduction:

To disseminate the findings of the study, to get feedback from Member States for value addition, and to build awareness among Member States, SEC is organizing a Video Conference to disseminate the Study Report *“Assessment of Wind and Solar Power Forecasting Techniques in SAARC Countries”*. During the video conference, the study authors will share their experiences with the audiences and inform them about findings of the study.

Objectives:

Following are the objectives of this event:

1. Dissemination of the Study and its findings/recommendations
2. Value addition and further improvement of the Study based on feedback and comments
3. Assessment of the current wind and solar power forecasting techniques in SAARC countries and the concomitant losses in lost revenue and capacity
4. Create awareness among the stakeholders including decision makers, regulators, project developers, private sectors, etc. on the technology options
5. Provide recommendations to policy makers, regulators, private sector and industry

through best practices for wind and solar power forecasting techniques in SAARC countries

6. Recommend improvements in technology, human resource and other requirements pertaining to the application of the latest techniques for wind and solar forecasting

Major Aspects /Topics to be covered:

The event will cover, but is not limited to the following aspects of assessment of wind and solar power forecasting techniques:

1. Latest improvements in wind and solar forecasting techniques around the world and in SAARC Member States
2. Existing technical and financial challenges in implementation of wind and solar power forecasting techniques
3. Suitable power forecasting techniques for each Member State along with the challenges associated.
4. Success stories from other regions and countries about role of forecasting techniques in adoption of renewable energy technologies
5. Short and long-term implications of forecasting techniques
6. Conclusion and Recommendations

Venue of the Event:

The event shall be broadcasted from office of the SAARC Energy Centre on Tuesday 6th April, 2021 at 1000 – 1130 Hours Pakistan Standard Time (PST).