

IMD & POSOCO jointly launch report on “use of weather information for secure, reliable and economic operation of Indian grid.”

New Delhi, January 14, 2022: India Meteorological Department (IMD) and National Grid Operator Power System Operation Corporation Limited (POSOCO) on Friday jointly launched a report titled “*Use of weather information for secure, reliable and economic operation of Indian grid.*” The report has listed out the advantages of prior weather information for reliable, secure and economic operation of Indian Power System.

Shri KVS Baba, Chairman and Managing Director (CMD), POSOCO in his message expressed that “The partnership forged between IMD and POSOCO has come a long way and cemented through various initiatives like workshops, development of weather portal providing variety of information on weather and publication of reference document. All these initiatives have proved useful for system operators and has enabled smoother power system operation.”

“As we are aware, Government of India has set a target of 500 GW of Non-fossil generation by 2030, as part of India’s contribution to clean climate. With high penetration of renewable energy resources, which are also highly dependent on weather, the challenges for system operators would further increase. Therefore, it is pertinent to mention that the availability of Weather information and development of new tools would be required to meet the challenges posed by the intermittent & variable generation,” he added.

Dr. Mrutyunjay Mohapatra, Director General of Meteorology, IMD, said, “In an initiative to support the power sector, IMD has partnered with POSOCO and equipped the System Operators across the country with accurate weather forecasts, real time weather information which enabled better power system operation of the country; and the two organisations will further expand the cooperation for emerging needs of this vital sector of National Economy.

On this occasion, Shri S R Narasimhan Director System Operation, POSOCO, congratulated IMD on its 147th Annual day. Over the last few years, IMD and POSOCO have collaborated on number of fronts which have been of great advantage to the system operators of the country.

“Over the last several years, the support provided by IMD has helped in handling several cyclones such as Nisarga, Amphan, Yaas, Tauktae etc. as well as solar eclipse events. Accurate weather forecast would help in minimising the renewable energy generation forecast error as well as demand forecast error. This would help to ensure better load generation balancing and optimally keep reserves in the system. With the target of 500 GW non-fossil fuel generation integration by 2030, the role of IMD becomes all the more important. More granular information as well as multiple updates in a day would be the key” he added.

The report was released by the Chief Guest, Hon’ble Union Minister of State (Independent Charge) Science & Tech; (Independent Charge) Earth Sciences; PMO, PP/DoPT, Atomic Energy and Space, Dr Jitendra Singh on Friday during 147th Foundation Day Function of IMD. The Honourable Minister emphasised role of meteorological information in efficient operations of Power Sector.

The report is available at following URLs:

<https://posoco.in/wp-content/uploads/2022/01/Use-of-weather-information-for-secure-reliable-and-economic-operation-of-Indian-grid.pdf>

https://mausam.imd.gov.in/imd_latest/contents/pdf/IMDposoco.pdf