



## Happy New Year 2023

### Message from

#### **Chairman and Managing Director-Grid Controller of India Ltd.**

2022 was a memorable year of great change. It was a year of big opportunities and equally big challenges. The world and India still grappled with implications of the COVID -19 pandemic and took tentative steps towards a new normal. Nonetheless, the year was filled with great hope and optimism, after 2 years of social distancing, lockdowns and hybrid work- 2022 gave us an opportunity to mingle and meet each other in person and re-establish old bonds of camaraderie. The restoration to normalcy and growth path of the economy was also evident from the spurt in demand for electricity during 2022.

The New Year allows us to re-focus on our goals, take a moment's pause to reflect. It is also the time to celebrate achievements, evaluate what could have been done better, explore new avenues of progress and embark on new projects. This time of the year bustles with energy and good cheer. It is our responsibility to extend ourselves and exceed what we have done in the past. We must set ambitious targets and meet expectations of all our stakeholders and continue our commitment towards service to the nation.

At the outset, I take this opportunity to applaud our frontline control room personnel, they are the backbone of this organization. The last three (3) years have been critical, and they have embodied resilience, - entrepreneurship and a critical solution finding approach. We kept the lights on!

There was a renewed focus on learning and development this year with resumption of in-person sessions, the focus was on developing our leadership pipeline, and create new learning formats which focused on micro-learning, experiential and immersive learning.

Several major developments took place in 2022, we established a new identity as Grid Controller of India Ltd. (GRID-INDIA), a progressive change aimed at to articulate future possibilities. It was heartening to see employees as well as key stakeholders welcoming and embracing this change.

At the close of 2022, we had 22.3 GW of wind and solar being scheduled by Grid-India and this number is only increasing at a rapid pace in line with the Government of India's ambitious targets. Even as we embrace this development, newer challenges in the form of behavior of these Inverter Based Resources (IBRs) have emerged along with accuracy of forecasts have come to the fore. New entities like Battery Energy Storage System (BESS) and green hydrogen electrolyzers would soon be part of the electricity grid. Grid-India would work closely with all the stakeholders in ensuring that the Technical Standards for Grid Connectivity keep pace with these developments and a robust Compliance Monitoring system is put in place. A shared vision among the stakeholders is important in the context of ensuring reliability.

Among other notable achievements, Automatic Generation Control (AGC) was launched in January, 2022, Security Constrained Economic Despatch (SCED) pilot was extended; as on 29.12.2022, 68 no. of plants with  $\approx 65$  GW capacity is operational under SCED. National Open Access Registry (NOAR) has been successfully running live from 1st May 2022, it has been facilitating automation of the administration of the open access in inter-state transmission system. Green Energy Open Access portal was launched in November 2022, the portal provides a transparent, simplified, uniform and streamlined procedure for granting open access to green energy that would be key to facilitating deepening of electricity markets and enabling integration of Renewable Energy (RE) resources into the grid. The Ancillary Services Regulations, 2022 have been notified by CERC and partly implemented with effect from 5th Dec 2022. The General Network Access (GNA) Regulations have come into effect partially during 2022. The Deviation Settlement Mechanism (DSM) Regulations 2022 have also come into effect from 5th Dec 2022 and had de-linked frequency from the DSM rate, a philosophy existing for two decades. The de-linking had led to insecure operating conditions for a few days necessitating the regulator to bring in the element of frequency linkage in a limited way with effect from 28th Dec 2022.

The Renewable Energy Certificate (REC) Regulations, 2022 has been notified by CERC on 9th May 2022 and the same has been operationalized w.e.f. 5th December 2022. A revamped REC Web portal has been launched by GRID-INDIA on 5th December 2022 to implement the new REC Mechanism framework. As the Energy Conservation Act has also been amended recently in Dec 2022, Grid-India looks forward to contributing in other instruments like the carbon market.

Cyber Security has emerged as an important area and 2022 saw many actions in creating a secure cyber security ecosystem and improving the posturing of all entities involved in grid operation. 2023 would involve a further consolidation of efforts in this area.

In 2022, GRID-INDIA employees wrote and published 23 technical papers in conferences and publications world-wide. Further, we collaborated and facilitated capacity building of several key national and international stakeholders, GRID-INDIA is fast emerging as a centre of excellence in its own right, a testament to the skill and knowledge of our Human Capital.

All these achievements were made possible because of the hard-work of all and as a result of a cohesive team effort. We can all take a moment to celebrate these achievements!

Coming year will be filled with greater opportunities- new Indian Electricity Grid Code (IEGC) is to be issued in 2023, regulations for flexibility, resource adequacy, financial markets, new products for the electricity markets are also on the anvil. Grid-India would play a key role in implementation of many of these changes which would necessitate large scale upgradation of our Information Technology (IT) systems and processes. The actions in respect of upgradation of our Energy Management System (EMS) at each control centre would also be under way in 2023 and the concept of Main-1 and Main-2 would need to be gradually introduced in some regions. In fact this was one of the greatest learning from the pandemic.

As in the past, the human capital will be the major driving force behind our successes, this will continue to be our competitive advantage! We have added several new members to GRID-INDIA family this year and we hope that these new entrants will introduce new vigour in the organization. With that, I wish you and your family a very happy, safe and Prosperous New Year 2023. I hope this year brings you and yours joy and peace. Let us keep a challenging spirit this year and keep going forward.

Best Wishes,

  
**(S.R. Narasimhan)**

Chairman and Managing Director  
Grid Controller of India Ltd.



happy new year  
2023