



# National Electric Power Regulatory Authority Islamic Republic of Pakistan

NEPRA Tower, Ataturk Avenue (East) G-5/1, Islamabad  
Ph: +92-51-2013200, Fax: +92-51-9210215, +92-51-2600050  
Web: [www.nepra.org.pk](http://www.nepra.org.pk), E-mail: [Office@nepra.org.pk](mailto:Office@nepra.org.pk)

Islamabad, June 07, 2023

## PRESS RELEASE

**Subject: Webinar on “Block chain in Energy Trade”**

NEPRA today hosted a webinar on “Blockchain in Energy Trade” with an aim to create awareness amongst the power sector stakeholders. The webinar was led and addressed by Chairman NEPRA, Mr. Tauseef H. Farooqi, followed by Dr. Shoab A. Khan, CEO CARE; Mr. Safi Ghauri, Lawyer, Esquire and Ms. Amna Munawar, President Copair. The same was also attended by a large number of Power Sector’s Professionals.

Chairman NEPRA, Mr. Tauseef H. Farooqi highlighted the importance of Blockchain in Peer-to-Peer Energy Trading, Energy Data Management and its role in Grid Balancing and Flexibility. He elaborated that the potential benefits of block chain in energy trade are significant, however, the main challenges are regulatory framework, scalability and interoperability with existing energy systems and that the public private pilot projects are best to explore the practical implementation of block chain in the energy sector.

Mr. Shoab A. Khan provided an overview of basics of blockchain technology, Smart Contracts and use of blockchain in electrical grids by explaining daily load curves and relating it with energy mix. Mr. Safi Ghauri highlighted the benefits of blockchain for energy providers, consumers and regulators. He also gave an overview of the blockchain energy markets apps and economic considerations to take in account while implementing the block chain technologies. Ms. Amna Munawar at the end highlighted the importance of block chain in micro grids, energy communities and electric vehicles charging and integration.

The workshop concluded after detailed Questions & Answers session of the participants with the Chairman and the Speakers.

**\*\*\*\* End \*\*\*\***