

**CENTRE OF EXCELLENCE
FOR
POWER DISTRIBUTION SECTOR**

**A PATHWAY TO DIGITAL GRID
TO ACHIEVE 'NET ZERO'**

Concept of CoE

- To be established and implemented along with Power Discoms which consists of
 - Simulation
 - Training and Testing
 - Sand-boxing and R&D

Simulation Tools

- Various simulation tools are available in Markets from large reputed players. But these are Country specific or product specific tools
- KIGG customized tools : addressing the issues in Indian Power Utilities. E.g. 'Hardware In Loop' solutions, Deep learning tools

Testing and Training

- Need to encompass new technologies – BYoD (Bring Your Own Device), AI/ML in training and testing domain.
- KIGG has ‘Hands-On’ training along with simulation through creation of NABL labs
- Courses for
 - Fresh Engineers
 - Upskilling of Dicsom technical team
 - Field Technicians

Sand-boxing and R&D

- Viability of the new project :- Techno-commercial viability with Lifecycle assessment need to be carried out.
- Testing for newly developed Industrial products in real time environment in the digital platform provided by DISCOM
- Econometric Analysis



Focused Quality Solutions

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THANK YOU