



Workshop on Live line **Maintenance in Utilities**

KRISHNA MURTHY

General Manager Automation and Technology Innovation, BESCOM









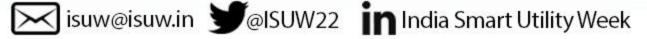
Introduction



- Maintenance techniques
- Conventional and option that we can change to
- Safety









Context



- Safety
- Improve operating efficiency
- Options to increase the business from the capacity created
- Need for higher availability of power
- Improved reliability











Relevance



- Achieve high uptime of the network
- Reduce interruption to services even if it is momentary
- Safe option to achieve both uptime and interruptions









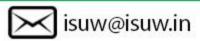
Presentation on the Topic



• Existing procedure in majority of the DISCOMs requires the line to be de-energized for maintenance











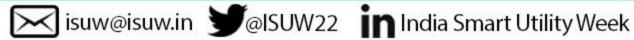
Presentation on the Topic



- Live line work helps in
 - Increased electrical insulation Hazards due to reverse feeding eliminated
 - Line workers are secured in buckets Avoids mechanical accidents
 - Working personnel are obligated to wear all safety equipment
 - Products are designed to adhere to high degree of safety standards
 - Working personnel is focused on the job with no pressure to restore the supply within a time frame





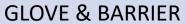




Presentation on the Topic









HOT STICK



BAREHAND





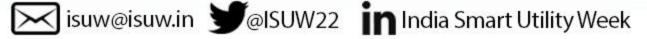
Use Case/Case Study



- Demonstration on a live network in Bengaluru
- Positive feedback from the powermen









Key Takeaways/ Recommendations



Key Takeaways/Recommendations: 5-6 Bullet Points (1 Min)

- Safety
- Live line maintenance for high availability
- Capacity building
- Enhances business
- Key driver for improving operational efficiency













Thank You

For discussions/suggestions/queries email: www.indiasmartgrid.org www.isgw.in Links/References (If any)

India Smart Grid Forum

CBIP Building, Malcha Marg, Chanakyapuri, Delhi-110021

Website: www.indiasmartgrid.org







