

Bhutan Power Corporation Ltd.

Launch of South Asia Distribution Utilities Network (DUN)

Sonam Tobjey, Chief Executive Officer

February 20, 2023

© 2021 RP



Presentation Outline

- 1. Overview
- 2. Challenges
- 3. Initiative taken/Flagship schemes
- 4. Expectations from South Asia DUN



Overview

Transmission Line Length = 1,743.79 km

Transmission Towers = 4,925

Transmission Substation Capacity = 1,910.5 MVA

Distribution Lines = 17,179 km

Dist. Transformer Capacity = 1,054.205 MVA

Number of customers: 232,465

Maximum peak load= 646.17 MW

Electricity coverage of 99.97%

Mission

To provide affordable, adequate, reliable and quality electricity services to customers.

Vision

To be innovative and efficient power utility driving the socio-economic transformation of Bhutan.

Strategic Themes

Customer Centric approach; Operational and Resource optimization; adoption of Innovation and advanced Technology and Business Growth solutions

© 2021 BPC



Challenges

- Difficult to reach electricity to settlements in far flung areas, construction challenges due to rugged terrain.
- 2. Provide reliable and quality power supply;
- Mountainous terrain and thick vegetation causing difficulty to maintain the power system;
- 4. Safety of employees and public;
- 5. Lack of common ducts for power distribution in cities;
- 6. Right of Way (RoW) issues in construction and shifting of lines and substations.





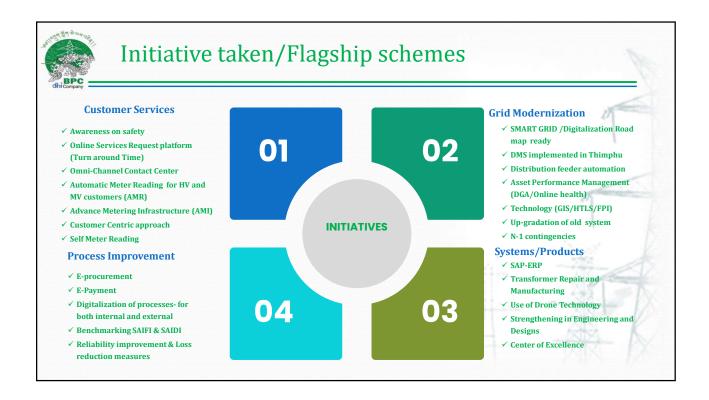














Expectations from South Asia DUN

- 1. DUN needs to be an active, solution-centric, informal platform for experience/best practices sharing amongst the DISOMS
- 2. Enable knowledge sharing among the utilities in the Region; and make possible Utility to Utility (U2U) connect
- 3. Technical assistance in areas like: system study and system improvement; Smart Grid solutions, Advanced metering solutions; Digitization of distribution systems- (Pilot DMS implemented by BPC)
- 4. Capacity Development in various aspects of distribution modernization like Smart Meters, Advanced Tariff Regime

