

Unified Regulatory Management for Utilities in Smart City : Common Utility Alliance

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Introduction



DISCOMS Focus

- Low cost power to consumers along with ensuring reliability and quality of power supply.

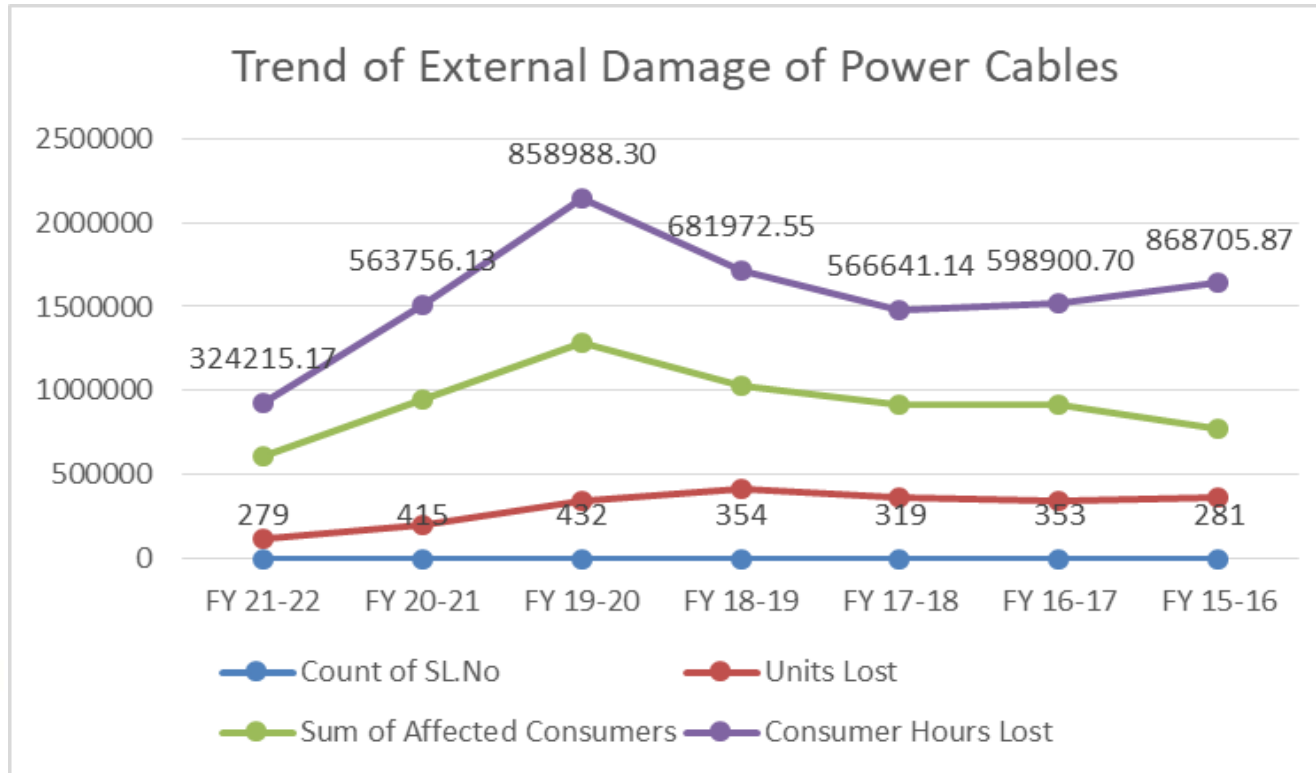
Unsynchronized Utilities

- Non Coordination between utilities impacts end services

Financial Impacts and Fragile assets

- Repeated damages due to unaligned execution increase project cost and reduces asset life

Damage to DISCOM Assets



85% of Utility High Voltage Network is Under Ground

300-400 external cable Damages are recorded every year

External Cable damage is a major impact on reliability accounting to 3.5 Lakh unit sale loss every year

Damage to DISCOM Assets



S/Stn. after CC Road Work



UG Cables during Cycle footpath work



S/Stn. blocked during road widening work

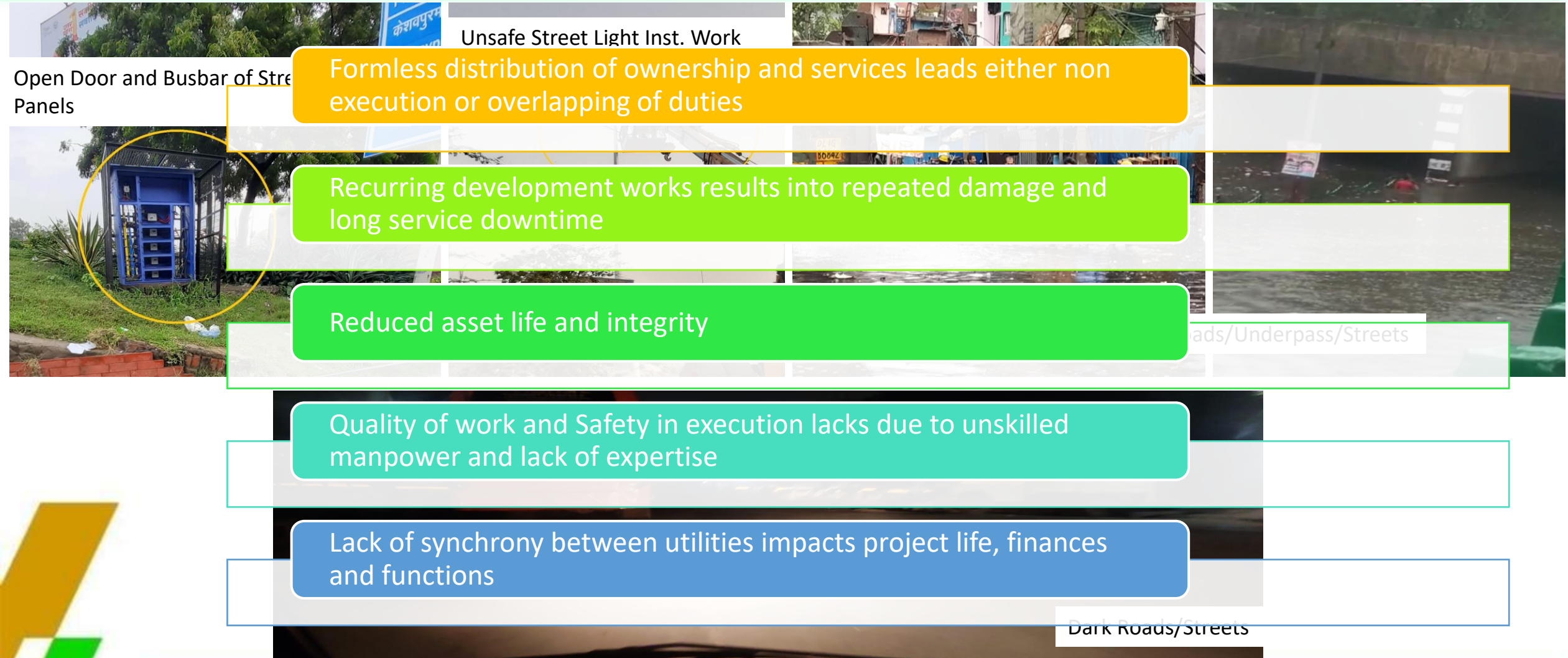


Water logging Inside S/Stn.

Unaligned Utilities in a Smart City

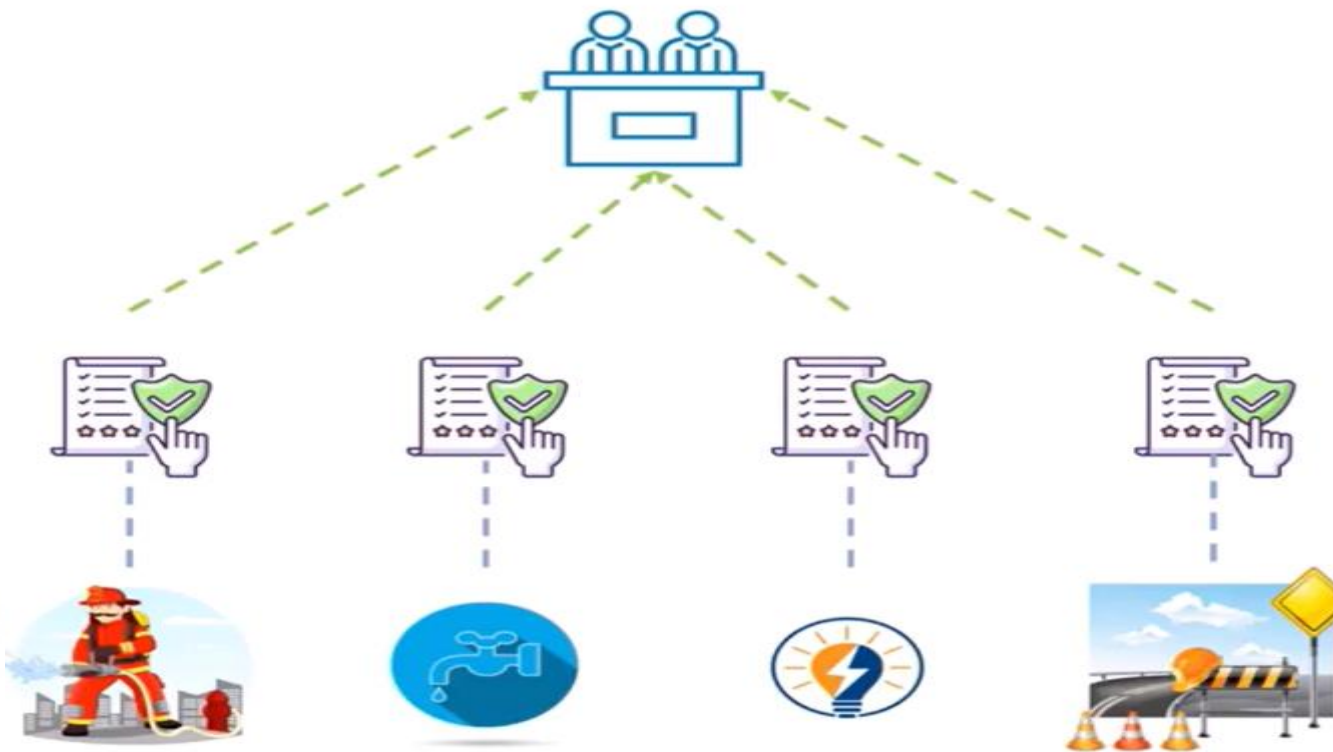


MULTIPLE OWNERSHIP A STUMBLING BLOCK IN CONSUMER SERVICE



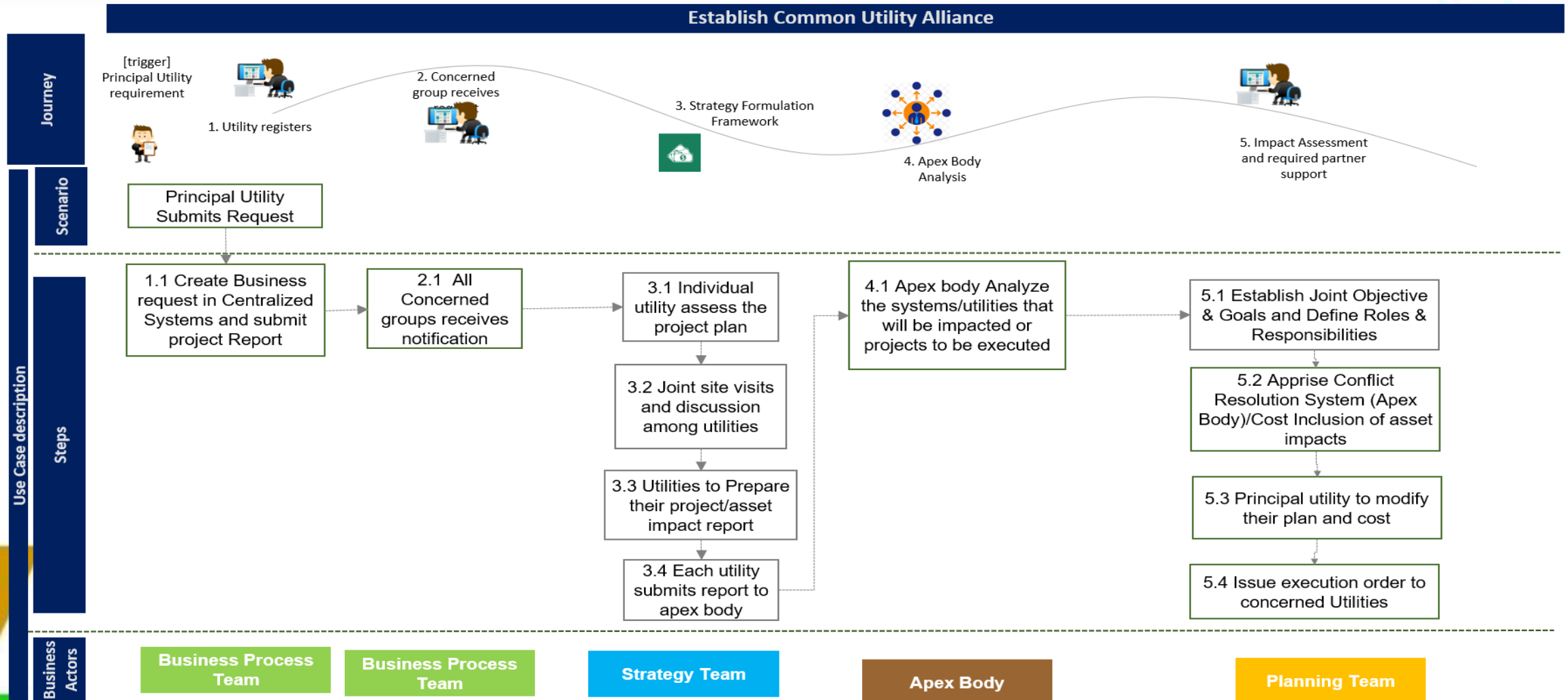
Invocation of Utilities

Single Regulatory Management of Utilities



- Regulate, Advise and govern all Utilities
- Reduce lead-time of Projects
- Improve cross organization coordination
- Reduced operational cost with improved ownership and services

Common Utility Alliance – Procedure



Common Utility/Alliance Solutions



All Utilities shall be governed by a Single Apex Body

Burari Pusta Road Widening Work

All utility meet at regular intervals shall be done

Projects at Planning Stage

Combined execution of development/Improvements works

Cost of network revamping of impacted utilities be included at planning stage

- Works related to electrical part such as street light pole

Within a City each service role must be defined to a single utility only

Services related to Core operations must be assigned to Principal Utility only

Thank You

*For discussions/suggestions/queries email: www.indiasmartgrid.org
www.isgw.in*

[Links/References \(If any\)](#)

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