



TATA POWER-DDL

TATA POWER DELHI DISTRIBUTION LIMITED

A Tata Power and Delhi Government Joint Venture

“Debatable aspect of Smart Metering : What bring smartness – Smart Meter or Smart Analytics”

BY

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Smartness in SMART Meters

❖ DT meters are made smart

- ❖ Loading of transformers.
- ❖ Electrical Parameters Monitoring
- ❖ Special feature in meters i.e DI and DO

❖ Outage notification from the meter

- ❖ Prediction on outage notifications
- ❖ Correction in Indexing
- ❖ SAIFI and SAIDI calculations

❖ Safety concern addressed

- ❖ Operator can visualize LT circuit.
- ❖ Confirmation of shutdown from meter ping.

Smartness in SMART Meters Cont....

❖ Demand forecast

- ❖ Data Availability is issue.

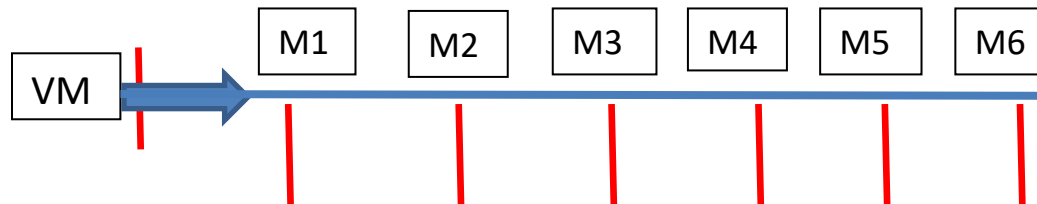
❖ Volt-var control

- ❖ Smart Meters working as sensors for network

❖ Network planning

- ❖ Loading of Transformers.
 - ❖ Quantum
 - ❖ Duration

❖ Virtual Metering



Smartness in SMART Meters Cont....

❖ **Asset Management**

- ❖ Mapping of all components
- ❖ Tracking of location

❖ **Load Management**

- ❖ Balancing on actual data.

❖ **Meter Reading and Billing**

❖ **Call Centre support for Operations**

❖ **Tamper Detection**

❖ **Energy Audit**

❖ **Starting and Settlement of meters**

❖ **Pre-Paid meters.**

❖ **Revenue Management**



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Thank You

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