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FEEDER MANAGER WORKSHOP

20-Jan-2018



Analysis of Feeder Data



- Total Feeders: ~32000
- Total Feeders linked to NPP: 31075
- Data available on NPP: 27520
- % Feeders communicating: 89%
- Constraints (Reasons):
 - Meter Defective
 - DCUs/Modems Defective
 - Communication link failure
- Feeders with AT&C loss > 50%: 1001
- Feeders with AT&C loss > 90%: 224
- Feeders with SAIDI > 30: 794
- Feeders with SAIFI > 30: 1140



Benefit of Feeder Monitoring



- Data availability at multiple points: IPDS Portal, Discom's Website, NPP, Urja App.
- Transparency of Information for MoP, State Govts., Discoms & People as large.
- Identification of loss pockets facilitating micro management towards better administrative measure for loss reduction
- Better consumer connect with availability of:
 - Outage Information: SAIDI/SAIFI
 - Consumer complaint redressal status
 - New service connection status



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Monitoring check points & best practices



- High DT and Feeder Loss
 - Checking consumer mapping of the DT
 - Checking mismatch in Period of consumer meter reading Vs period of DT meter reading.
 - Checking consumer meters & its M.F.
 - MRI data investigation for any abnormal log.
 - Theft of energy through direct hooking, meter by-pass etc.
- Consumers exists in billing data base but not on GIS database
 - “Ghost” consumers
 - Consumers wrongly mapped from nearby DT
- Found in GIS database but not on billing database
 - Illegal connection
 - Consumers should be mapped/ included in billing database



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Monitoring check points & best practices



- **Administrative** actions taken up -
 - ✓ Regular identification of loss pockets
 - ✓ Strict vigilance/ raids in theft prone area – CCTVs installation
 - ✓ Disconnection & dismantling
 - ✓ Connection regularisation/ Mass scale connection drive
 - ✓ Collection drive
- **Technical intervention** towards loss reduction taken up by Discoms -
 - ✓ Shifting load from overloaded DT, DT augmentation etc.
 - ✓ New feeder / feeder bifurcation / Re-conductoring,
 - ✓ Load checking & load enhancement, if required.
 - ✓ Phase load balancing
 - ✓ Arial Bunch Cable
 - ✓ Identification and rectification/ replacement of faulty meters
 - ✓ Pillar boxes – relocating meters outside



Benefits accrued from R-APDRP – as per Feeder managers



- **Discom level -**

- Central database creation
- Common billing system – Urban + rural for some states
- Reduction of AT&C losses
- Easy Availability of MIS
- Better transparency
- Improvement in work culture of staff

- **Consumer level –**

- Quality of supply has improved – blowing of fuses have come down
- Bill accuracy has improved
- Additional payment gateways available
- Service connections online
- 24*7 Call Centre with 1912



New Initiatives by Discoms



- Mobiles Apps for meter reading, payment of bills, recharge of prepaid meters, lodging complaints – **myBijulee, E-Suvidha, DAKSHATA**
- GIS updation on regular basis
- Service connection online
- Mandatory E-Payment for all employees
- Event reporting through SMS

Way forward & expectations

- Capacity building of employees
- HR investment requirement by Discoms / number of consumers in area



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धन्यवाद ।