Review, Planning & Monitoring meeting

Integrated Power Development Scheme

10-May-2016, New Delhi
Presentation Outline

- IPDS Implementation
- IT Implementation
  - Go-live snapshot and Impact
  - Feeder data on NPP
  - IT enablement – Phase II
- Part-B Implementation
- SCADA Implementation
- URJA App and expectation from States
- Power Reliability status
- Consumer Connect through 1912
- Outage Schedule
  - advance information dissemination
  - Proposed Outage schedule format
- Public Fund Management System
- Quarterly AT & C loss data of Discoms
- Issues being flagged
IPDS compliances

Projects worth Rs.24838 cr approved
Firm Sanctions: Rs.23,432 crore for 3405 Towns
In-Principle Sanction: Rs 1,406 Cr for 81 Towns

- WB (2 Circles) - DEC
- Jharkhand - award of Part-B

States to expedite IPDS Compliances

Delhi, Goa, Jhar, J&K, BEST, Odisha, TN, UP, (Dv, Ke), Ar P, Naga, Megh, Mizo (23/59 Discoms)

Delhi, Goa, Jhar, J&K, Mah (BEST), TN, TSNPDCL, WB (DPL), Ar P, Naga, Megh, Mizo (18/59 Discoms)
Part A (IT) status and 11 K v feeder metering
(as on 30.04.2016)

States with all towns Go-Live

States with partial towns Go-Live but progressing

< 10% towns Go-Live/ work not awarded

To focus on Post Go-live data, linking to NPP

J & K, Bihar, Jharkhand, TN, Assam, Manipur, Meghalaya, Mizoram, Goa

Rajasthan, Odisha, Pudu, Arunachal, Nagaland

Total eligible - 1405 towns
Go-live - 1222 towns

States to completion of Part A (IT) projects
Go-live Impact

- Data reported on Web - 1097/1161 towns (Go-live till Jan 16)
- Not reported for Ker (21), Bihar (11), UP (8), Mani (7), Har (3), TN (2), Kar (2)

166 Towns’ AT&C loss < 10%
- AP(67), Assam(1), Chhattisgarh (2), Gujarat(36), Haryana (1), Karnataka(6), MP(8), Maharashtra (17), Meghalaya (2), Punjab(3), Raj(1), TN(3), Telangana (13), Tripura(6)

175 Towns' AT&C loss > 50%
- Assam(15), Bihar(30), Chhattisgarh (1), Haryana (10), HP(1), JK(5), Jharkhand (9), Karnataka (2), Kerala(8), MP(10), Maharashtra (12), Meghalaya (3), Punjab(7), Sikkim(1), UP(54), Uttarakhand (7)

- 1039 Feeders' AT&C loss > 50%
Status of 11 kV Feeders across India

All India (As per CEA)
- Total: 151350
- Rural: 88678
- Urban: 52642
- Mixed: 10030

All Urban Area
- Total: 43000
- Metered: 35000
- Go-live: 8000

R-APDRP Towns
- Total: 31000
- Metered: 30588
- Go-live: 24300
- Reported on Web: 19329

Legend:
- Total
- Metered
- Go-live
- Reported on Web
Feeder Data on NPP

Total feeders on NPP – 10617
Total Feeders communicating on NPP - 7451

States to ensure sanitization of Post Go-Live data and submission of data for NPP
Discoms’ Role in sharing Feeder Data

• Prepare Master Data in Excel and submit to PFC
  • Feeder Master, Feeder Manager Master, Circle Master - [format shared with Discoms](#)
  • Missing Town codes/District Codes may be informed to PFC
  • One time Data (any addition may be updated later)

• Submit 1st Batch of Monthly Transaction Data in JSON Format
  • Feeder Transaction, Customer Care Transaction Data
  • JSON Format shared with Discom
  • First batch of Data be sent through e-mail to PFC (for formative streamlining and handshake)
  • Acceptance in NPP after Iterative Validation

• Submit Two Public IP Address
  • Discom side server IP from which Data will be pushed
  • NIC side IP will be provided by NIC (PFC)
  • FTP Credential will be provide by NIC (PFC)

• Push Monthly Transaction (JSON) Data on a regular basis

• For any assistance contact PFC – separate meeting can also be arranged with NIC
IT Enablement – Phase II
Approved in-principle for balance 2600 urban towns
Snapshot of implementation of Part B

Total towns – 1221
Total awarded – 1217 towns^  Work in progress – 723 towns

Completion schedule

Completed till FY 16, 425
FY 17, 500
FY 18, 223

Part-B towns to be completed in FY17 increased from 358 to 500

More focus required by – Bihar, J&K, Kerala, Punjab, TN, UP, NE states

States to expedite completion of Part B projects

^ except 3 towns of Jharkhand and 1 town of Haryana
Snapshot of envisaged implementation for SCADA

| States targeted for complete SCADA roll out | Rajasthan, Gujarat, Maharashtra, TN, West Bengal (29 towns) |
| Next set of States targeted for complete SCADA roll out | Punjab, UK, MP, Bihar, AP, Telangana, Kerala, Assam (20 towns) |
| Slow progress states | J&K, Haryana, UP, Chhattisgarh, Jharkhand, Odisha, Puducherry (23 towns) |
| Ineligible | HP, Delhi, Karnataka, NE (except Assam) |

Control Centers commissioned in 45 towns, pending WB (1), Kerala (3) and all slow States

States to expedite SCADA implementation
KNOW ABOUT YOUR TOWN STATUS
Your Town is ABCD

- Power Cut Duration: 12.7 HRS
- Connection Pending: 34.2% RANK 12
- Loss of Power/Theft: 17.4% RANK 3
- Consumers Making E-payment: 4.2% RANK 7
- Number of Power Cuts: 10.7% RANK 98
- Complaint Pending: 25.1% RANK 34

Click for DISCOM view
Click to view All India Star Performer

Single window call for Customer Services for Electricity problems

URJA (Urjan Jyoti Abhiyan) App – to be launched soon
Expectation from the States for URJA App

- Availability of Outage schedule on daily basis
- Auto SMS services to inform consumers about planned and unplanned outages
- Feeder-wise SAIDI/SAIFI on daily basis with data accuracy to match with previous day’s power outages
- Operationalization of “1912” short code for Complaints on Electricity
- Daily town-wise number of feeder meter read information
Power Reliability Indices - SAIFI

SAIFI data submitted by
Feb report – 33 Discoms – 860 towns
Mar report – 37 Discoms – 894 towns
Apr report – 40 Discoms - 955 towns

States to monitor SAIFI/SAIDI and take continuous administrative measures for improvement of power reliability
Power Reliability Indices - SAIDI

SAIDI data submitted by
Feb report – 33 Discoms – 860 towns
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States to monitor SAIFI/SAIDI and take continuous administrative measures for improvement of power reliability
Consumer Connect through 1912

Implementation of 1912 by
Discoms - Service provider wise

- NE states (except Manipur), Sikkim, Jaipur
- Goa, UHBVN, DHBVN, Manipur, JoVVNL, AjVVNL, PVVNL, PuVVNL

- 1912 Implemented by All Service Providers
- 1912 Implemented by only BSNL
- yet to implement 1912

Implementation of 1912 by states-
coverage area wise

- NE states
- Odisha (CESU), UP (DVVN partial), Raj (AjVVNL, JoVVNL)
- 8
- 3
- 19

- States having full coverage of 1912
- States having partial coverage of 1912
- States who are yet to implement 1912

States to focus on improved customer care, implement short code for ‘Complaints on Electricity’ 1912
Outage Schedule – advance information dissemination

Daily Outage Schedule on website

- Gujarat, Punjab, J & K

Weekly Outage Schedule on website

- AP, Assam, Bihar, CG, Goa, HP, Kar, MP, Mah, Puducherry, Raj, Telangana, TN, UK

Discoms yet to upload outage schedule on website

- Har, Jharkhand, Kerala, Odisha, UP, WB, NE States
### Proposed Outage schedule format

#### Name of Discom

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Date of outage</th>
<th>Name of Town</th>
<th>Name of Substation</th>
<th>Name of Feeder</th>
<th>Area Affected</th>
<th>From (HH:MM)</th>
<th>To (HH:MM)</th>
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<tr>
<td>1</td>
<td>DDMMYY</td>
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Public Fund Management System

MoP
- IPDS Guidelines
- Fund release to PFC through PFMS

PFC
- Verification of Discoms' account details
- Fund release to Discoms through PFMS

Discoms
- Mapping of new account in PFMS
- Enter details like receipts, expenditures

Contractors
Status of Discoms AT & C loss – Progressive Quarterly (upto Q3 FY16^)

All India average upto Q3 – 21.96%

**Q2 data not submitted by** – Assam, Manipur, Mizoram, Tripura
**Q3 data not submitted by** – MVVNL, NE states (except Meghalaya)

**States to ensure submission of Quarterly AT & C losses**

^ based on provisional data submitted by Discoms
Issues being Flagged

States to

• Ensure continuous submission of feeder data for NPP
• Expedite submission of IPDS compliances viz. DEC, signing of TPA and appointment of PMA
• Expedite Part B and SCADA implementation
• Ensure following for URJA app-
  • Daily Feeder-wise SAIFI/SAIDI data
  • publish daily Outage schedule
  • daily town-wise no. of feeder meter read information
  • implement 1912
• Use of PFMS for fund release
• Submission of Quarterly AT & C loss data to PFC
धन्यवाद।
## Feeder Master format

<table>
<thead>
<tr>
<th>Feeder Code</th>
<th>Feeder Name</th>
<th>Feeder Category</th>
<th>Feeder Detail Type</th>
<th>Feeder Metered</th>
<th>Feeder AMR</th>
<th>State Code</th>
<th>Circle Code</th>
<th>District Code</th>
<th>Town Code</th>
<th>Discom</th>
<th>Substation Name</th>
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<td>11 kV O/G Papersali</td>
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<td>YES</td>
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