Review, Planning & Monitoring meeting

Integrated Power Development Scheme

13-Feb-2016, Bengaluru
Presentation Outline

• Review of IPDS Implementation
• Snapshot
  • Part A (IT) Go-Live
  • Part A (SCADA) Implementation
  • Part-B implementation
  • Capacity Building
• Go-Live Impact
• Power reliability through SAIFI /SAIDI
• Progressive Competitiveness
• NPP- Urban Distribution Monitoring System
• URJA- URban Jyoti App for India
• Issues being flagged
## IPDS: Implementation Issues

<table>
<thead>
<tr>
<th>Issue</th>
<th>Status</th>
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| Signing of Tripartite Agreement and Appointment of Project Management Agency              | • TPA yet to be executed – Delhi, Goa, Jhar, J&K, Ker, Kar (HESCOM), Mah, NE states (except Manipur), Odisha, Raj, TN, TSSPDCL, UP (Mv,Dv Ke), WB (DPL) (33/59 Discoms)  
  • PMA yet to be appointed – Delhi, Goa, Jhar, J&K, Ker, NE states, Odisha, Raj, TN, Telangana, WB (DPL) (30/59 Discoms) |
| Baseline AT&C Loss establishment                                                           | • Baseline AT&C yet to be established in 78 Towns (last month=10)  
  Bihar-24, Jhkhd-13, J&K-17, Odisha-12, Goa-4, Pudu-4, ArPr -2 & Mizo-2  
  • Ring fencing yet to be completed in J&K – 17 towns |
| Go-live of towns                                                                            | • 1164 towns Go-Live till Jan’16 (last month=33)  
  • 241 towns yet to be declared Go-Live  
  • 74 more towns targeted by Mar’16  
  TN-35,Kar-17,Mani-6,Assam-5,Mizo–3, J&K-2, Ar Pr-2, Jhkhd-2, Goa- 1 & Megh – 1 |
| Discoms to analyze reasons of non-reduction of AT&C loss in Go-Live Town & take corrective measures | • AT&C Loss reduction reported in 74% of 1049 towns  
  • States to  
  • analyze reasons and take continuous administrative measures for reduction  
  • Sanitize data and continuously focus on delta updates in GIS, Meter/modem updation |
## IPDS: Implementation Issues

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<tr>
<td>Discoms to provide Power reliability data in form of SAIFI/SAIDI Indices</td>
<td>• Feeder-wise SAIFI/SAIDI submitted by 26 Discoms in 15 states for 725 towns. <strong>Rest Discoms to submit</strong>&lt;br&gt;• States to monitor SAIFI/SAIDI and take continuous administrative measures for improvement of power reliability</td>
</tr>
<tr>
<td>Data for Urban Distribution Monitoring System under National Power Portal (NPP) being developed by NIC</td>
<td>• WB, Mah, AP, Guj, Uttarakhand, Chhattisgarh, Telangana completed&lt;br&gt;• Roll Out plan&lt;br&gt;  o Sikkim, MP, Assam, Tripura by Feb’16&lt;br&gt;  o All States targeted by Mar’16 <em>(States to share details of all feeders with NIC/PFC for UDMS)</em></td>
</tr>
<tr>
<td>Award of Part B projects</td>
<td>• Compliance [Award/Request for cancellation] awaited&lt;br&gt;  o UHBVN (Haryana) -18 Towns, DHBVN – 1 Town&lt;br&gt;  o Odisha-12 Towns&lt;br&gt;  o Jharkhand- 12 Towns</td>
</tr>
<tr>
<td>Completion of Part-B projects</td>
<td>• 399 towns completed till Jan’16 <em>(last month=39)</em>&lt;br&gt;• 50 more targeted by Mar’16&lt;br&gt;  TN-29, Punjab-10, Karnataka-9, Kerala-5, Rajn-5, WB-6, AP-4, Guj-4, HP-3</td>
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</table>
Snapshot of Part A (IT) Go-Live (31st Jan 2016)

Total coverage - 1405 towns
Go-Live - 1164 towns
Progress since last RPM - 33 towns

States with all towns Go-Live
States with partial towns Go-Live but progressing
States showing no progress since last RPM

To Monitor Go-Live parameters
To expedite completion
To expedite work
Snapshot of Part A (SCADA) Implementation
(31st Jan 2016)

Total sanctioned – 72 towns

Control Centers (CC) commissioned - 25
Addl CC commissioning targeted - 24

- Tamil Nadu: 7
- MP: 5
- Rajasthan: 5
- Assam: 1
- Bihar: 1
- Maharashtra: 6
- AP: 4
- Gujarat: 6
- Kerala: 3
- Punjab: 3
- Telangana: 2
- Uttarakhand: 1
- West Bengal: 3

CC Commissioned
To be commissioned by Mar'16
Snapshot of award of Part B (31st Jan 2016)

Total sanctioned – 1241 towns  Work awarded in – 1196 towns

Awarded, 1196, 97%

Not yet awarded, 43, 3%

Jharkhand
- Towns awarded: 12
- Towns yet to be awarded: 0%

Haryana
- Towns awarded: 19
- Towns yet to be awarded: 10%

Odisha
- Towns awarded: 12
- Towns yet to be awarded: 20%

Towns awarded  Towns yet to be awarded
Snapshot of implementation of Part B (31st Jan 2016)

Total awarded – 1196 towns
Work completed in – 399 towns

Progressive states – Chhattisgarh, Gujarat, Karnataka, MP, Telangana, WB
Laggard states – Bihar, J&K, Kerala, Punjab, TN, UP, Uttarakand, NE states
Capacity Building of Discoms on Post Go-Live themes undertaken
Training of Trainers imparted: approx. **500 mandays** in FY 15-16

- Trained people from Discoms to further enhance capacity of other personnel
- All Discoms are requested to take benefit of Capacity Building programs
## Go-Live Impact (pan–India)

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Impact</th>
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<tbody>
<tr>
<td><strong>TOWN WISE AT &amp; C LOSS MONITORING</strong></td>
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</tbody>
</table>
| Towns’ AT&C Loss vis-à-vis Baseline AT & C losses                         | Improvement in 779 Towns (74%)  
Not improved (270 Towns)  
No improvement mostly in UP-73, TN-39, Assam-28, Maha-21                 |
| **MONITORING OF HIGH LOSS FEEDERS**                                       |                                                                                                                                          |
| Top 10% high loss feeders                                                 | Feeders with AT&C Losses > 50% : 882/1554                                                                                              |
| **CONSUMER EMPOWERMENT AND DELIVERY OF E-SERVICES**                       |                                                                                                                                          |
| New connections released                                                   | 17%                                                                                                                                     |
| Connections released as per SERC norm                                      | 72%                                                                                                                                     |
| (out of connection released)                                               |                                                                                                                                          |
| E-Payment Reported                                                        | 0.02 - 21 %                                                                                                                             |
| **COMPLAINT REDRESSAL MECHANISM**                                         |                                                                                                                                          |
| Complaints redressed                                                      | 47%                                                                                                                                     |
| Redressal within SERC timelines                                           | 70%                                                                                                                                     |
| (out of complaints redressed)                                             |                                                                                                                                          |
| **POWER RELIABILITY**                                                     |                                                                                                                                          |
| Town wise Reliability using SAIFI/SAIDI (monthly)                         | SAIFI : 135 towns > 30 interruptions  
SAIDI : 129 towns > 30 hr                                                 |
Power Reliability – SAIFI
System Average Interruption Frequency Index

SAIFI Dec report  SAIFI Jan Report

SAIFI data submitted by
Dec report – 20 Discoms – 496 towns
Jan report – 26 Discoms – 725 towns

Ranking of states

Monthly Frequency of system interruptions (numbers)
Power Reliability – SAIDI
System Average Interruption Duration Index

SAIDI data submitted by
Dec report – 20 Discoms – 496 towns
Jan report – 26 Discoms – 725 towns

Ranking of states

Monthly Duration of interruptions (hr)

<table>
<thead>
<tr>
<th>Discom</th>
<th>SAIDI Dec report</th>
<th>SAIDI Jan report</th>
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<tbody>
<tr>
<td>APSPDCL</td>
<td>2.01</td>
<td>4.23</td>
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<tr>
<td>APEPDCL</td>
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<td>6.24</td>
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<td>DGVCL</td>
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<td>3.30</td>
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<td>UGVCL</td>
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<td>PoVVNL</td>
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<tr>
<td>UPCL</td>
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<td></td>
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<tr>
<td>WBSEDCL</td>
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SAIDI Dec report – 20 Discoms
SAIDI Jan report – 26 Discoms
Progressive Competitiveness - Ranking based on Post Go-Live Reports

% OF GO-LIVE TOWNS WHERE AT&C LOSSES REDUCED

- AP, GUJARAT: 99%
- WB: 98%
- MP: 96%

% OF NEW CONNECTIONS RELEASED (out of pending connections)

- GUJARAT: 81%
- AP: 79%
- TELANGANA: 74%

E-PAYMENT (% of consumers using E-Payment facility)

- MGVCL: 21%
- PaVVNL: 16.83%
- PSPCL, TANGEDCO: 15.1%

% OF CONSUMER GRIEVANCES REDRESSED (out of total complaints received)

- PUNJAB: 100%
- AP, TELANGANA, CG: 99%
- GUJARAT: 98%

Detailed rankings
Being developed as part of National Power Portal (NPP)
Data for 6395 feeders of 11 Discoms already captured –

Different reports developed
- AT & C loss vis-à-vis Baseline loss
- Consumer complaint redressal
- New connection reports
- Feeder Monitoring Billing, Collection Efficiency, AT&C
- Power Reliability Indices

Other Discoms are also requested to share the requisite data
- Sikkim, MP, Assam, Tripura by Feb’16
- All States targeted by Mar’16
Objective -

- **CONSUMER CONNECT** - Transparent Interface for consumer/common man on power related services such as average grievance redressal time, new connections release time and outage schedule etc.

- **PROGRESSIVE COMPETITIVENESS** - Information on Inter-state and Intra-state ranking on consumer services related parameter information, Discom AT & C data, SAIFI-SAIDI

- **PROJECT MONITORING** - Online monitoring of urban distribution projects
Preview of URJA
– URban Jyoti App for India

- Select State
- Select Discom

Utility basic Info.

No. of Towns: 14
No. of Consumers: 22,00,000
AT&C Loss: 12% (last quarter sep-15)
Power Reliability: SAIDI-4.20 hrs (jan 2016)
No. of DISCOM: 1
Customer Care No.: 1800-1808060
Website: www.hpseb.com
Preview of URJA – URban Jyoti App for India

- Select Reports to View:
  - D1: Town wise AT&C Loss Report
  - D2: New Service Connection Report
  - D3: Consumer Complaints Redressal
  - D4: Feeder wise highest AT&C loss
  - D5: Power Reliability
  - Power Outage Schedule
  - Settings

- Hindi Language support
Preview of URJA – URban Jyoti App for India

- Detailed Analytics
- View Town wise Info.
- Options for sorting on various parameters
Preview of URJA – URban Jyoti App for India

- **New Service Connection Report**

- **Consumer Grievance Redressal**
Preview of URJA – URban Jyoti App for India

- **SAIFI SAIDI Report**
- **Power outages schedule**
Preview of URJA – URban Jyoti App for India

- **Other features proposed to be added:**
  - Information on Inter-state and Intra-state ranking
  - Project Monitoring – IPDS
Issues being Flagged

States to

• Expedite signing of TPA and appointment of PMA (particularly for NE States, immediately)
• Expedite Go-Live of balance towns / establish Baseline AT&C losses in balance towns by Mar’16
• Expedite Part B and SCADA implementation
• Award all balance projects (Part A [IT] / SCADA/ Part B) by end Feb’16 – else PFC shall be constrained to recommend cancellation
• Nominate officials for Capacity Building programs and give suggestions
• Monitor Power reliability of all towns – SAIFI/SAIDI
• Focus on improved customer care and implement short code for Complaints on Electricity - 1912
धन्यवाद।