



GOVERNMENT OF INDIA
MINISTRY OF POWER



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



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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



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

IPDS Compliances



Delhi, Goa, Jhar, J&K, Mah (BEST), TN, TSNPDCL, WB (DPL), Ar P, Naga, Megh, Mizo (18/59 Discoms)

States to expedite IPDS Compliances

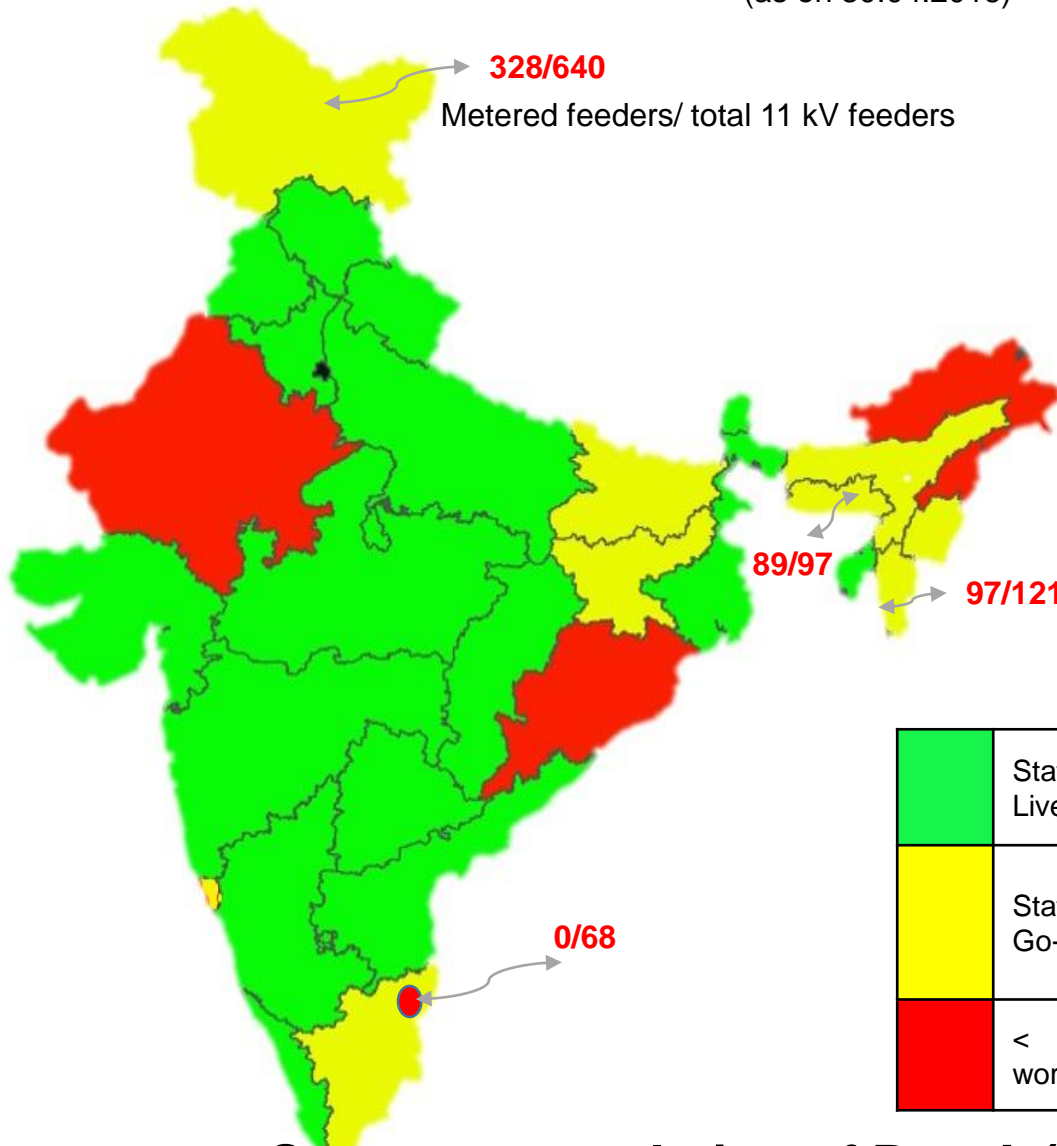


Part A (IT) status and 11 Kv feeder metering

(as on 30.04.2016)



Total eligible - **1405 towns**
Go-live - **1222 towns**



	States with all towns Go-Live	To focus on Post Go-live data, linking to NPP
	States with partial towns Go-Live but progressing	J & K, Bihar, Jharkhand, TN, Assam, Manipur, Meghalaya, Mizoram, Goa
	< 10% towns Go-Live/ work not awarded	Rajasthan, Odisha, Pudu, Arunachal, Nagaland

States to completion of Part A (IT) projects

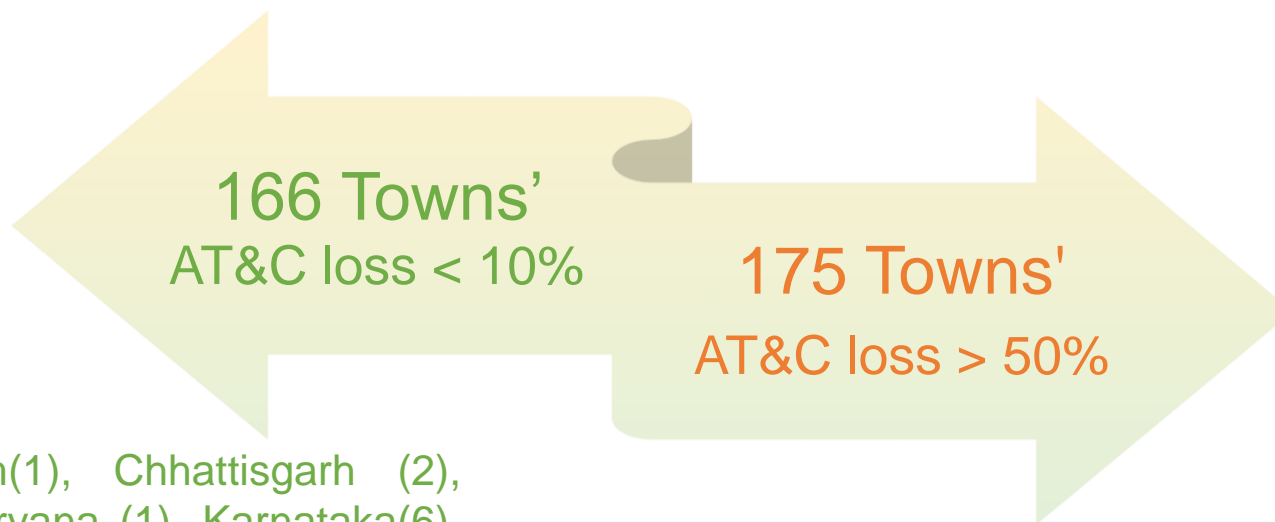


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Go-live Impact



- 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)



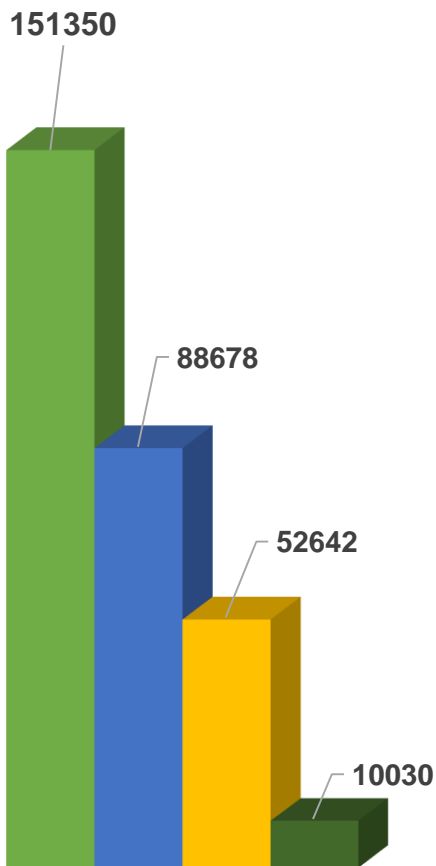
AP(67), Assam(1), Chhattisgarh (2), Gujarat(36), Haryana (1), Karnataka(6), MP(8), Maharashtra (17), Meghalaya (2), Punjab(3), Raj(1), TN(3), Telangana (13), Tripura(6)

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%

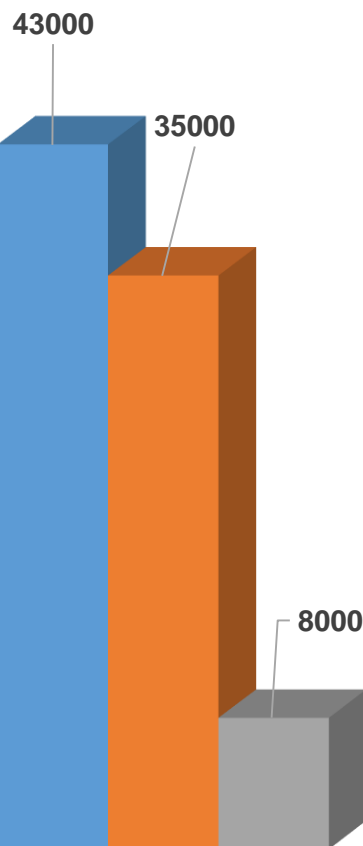


Status of 11 kV Feeders across India



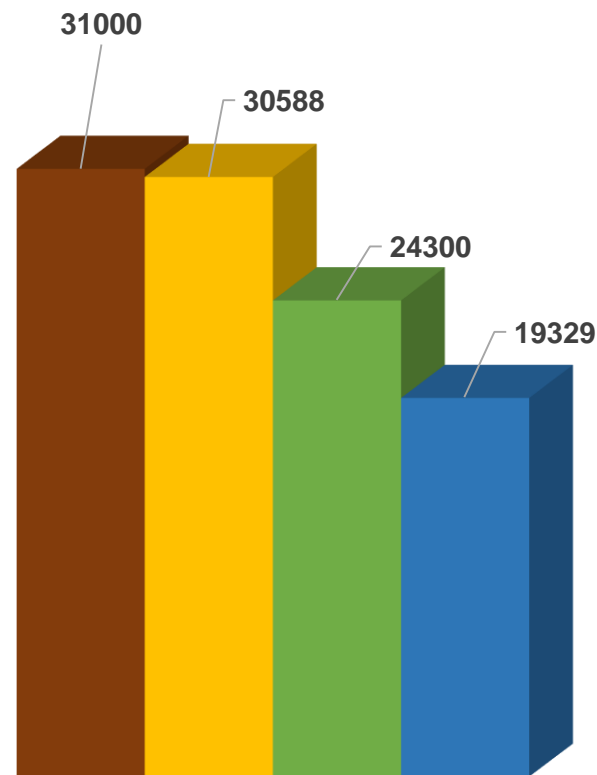
All India (As per CEA)

■ Total ■ Rural ■ Urban ■ Mixed



All Urban Area

■ Total ■ Metered ■ Balance



R-APDRP Towns

■ Total ■ Metered ■ Go-live ■ Reported on Web
1222 1097



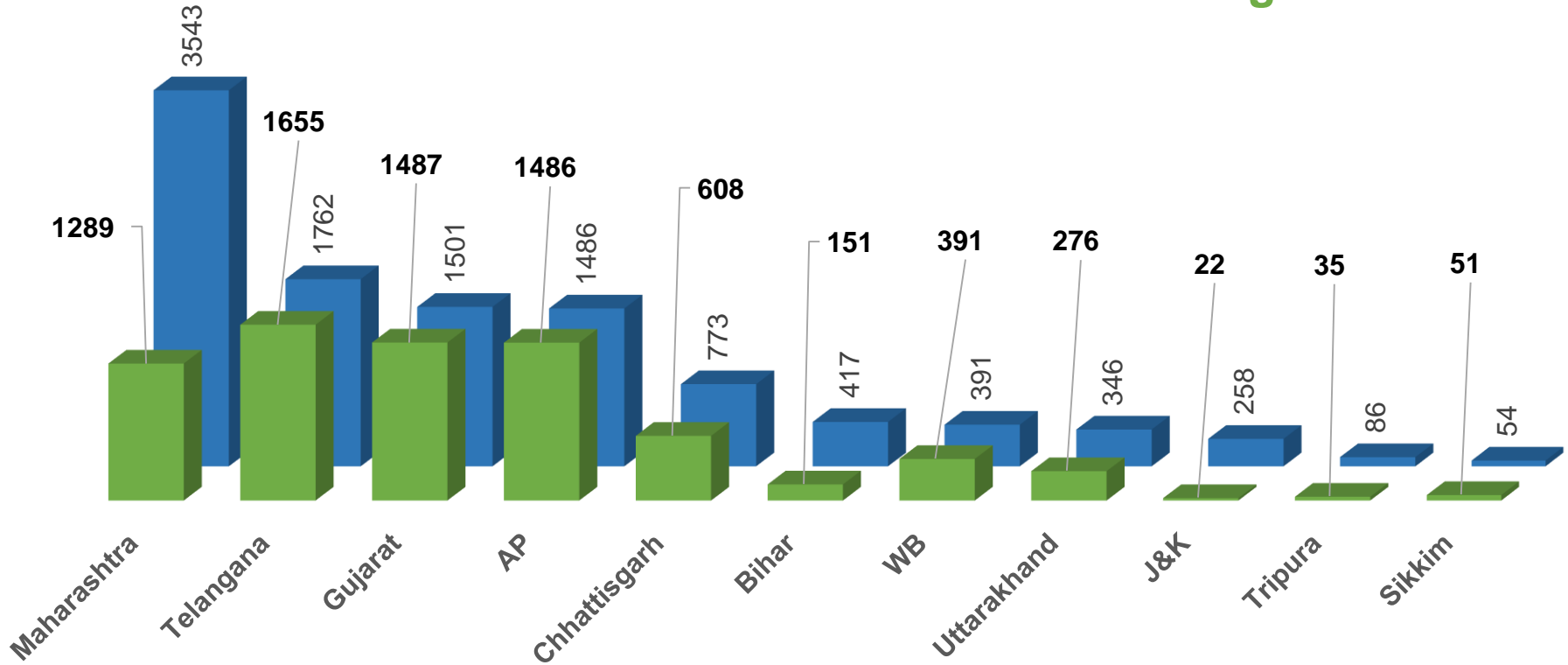
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Feeder Data on NPP



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**

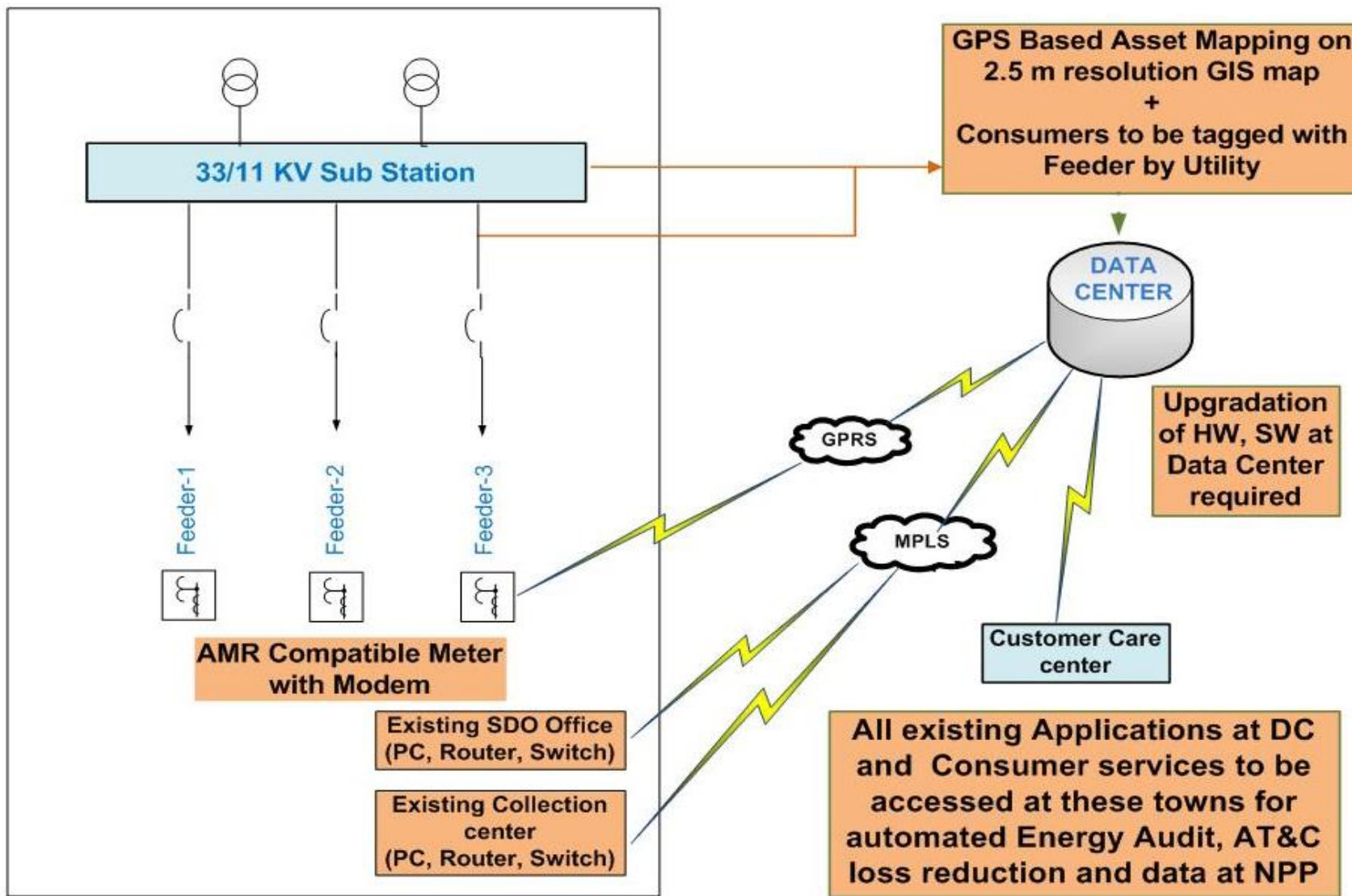


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IT Enablement – Phase II

Approved in-principle for balance 2600 urban towns



TYPICAL LINE DIAGRAM OF IT ENABLEMENT OF IPDS TOWN



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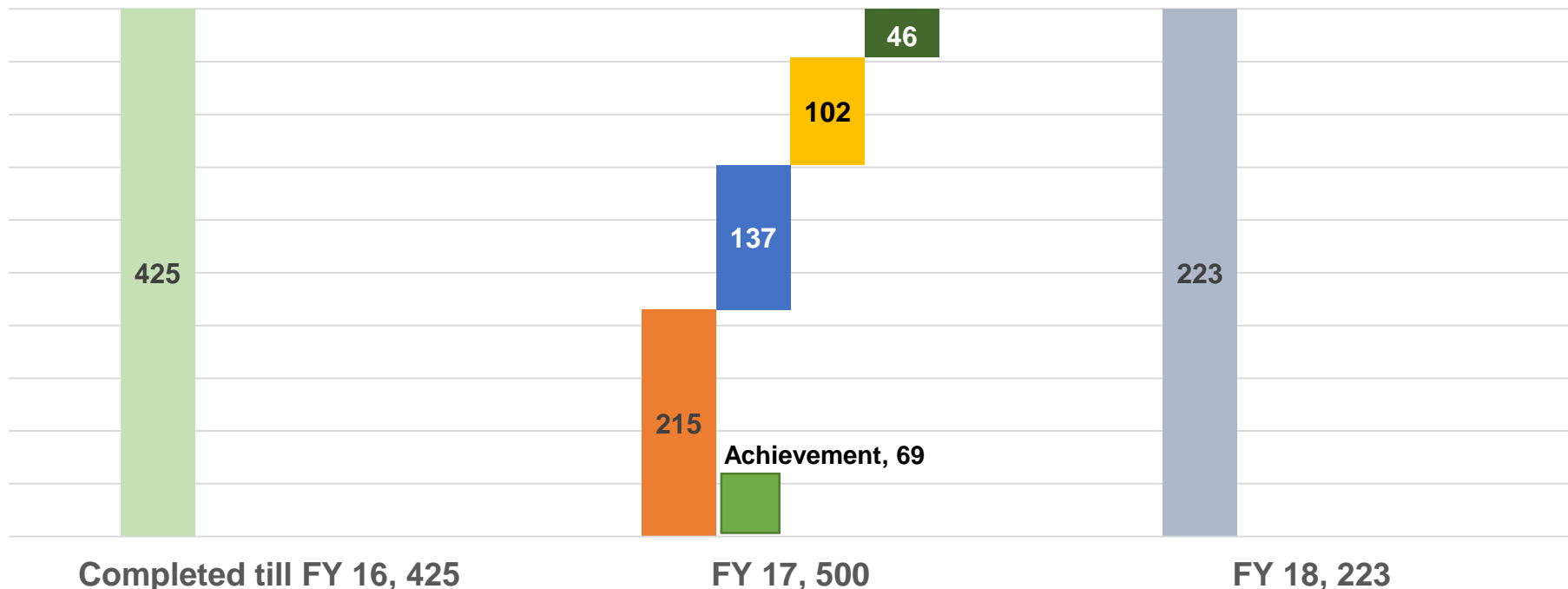
Snapshot of implementation of Part B



Total towns – 1221

Total awarded – 1217 towns[^] Work in progress – 723 towns

Completion schedule



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

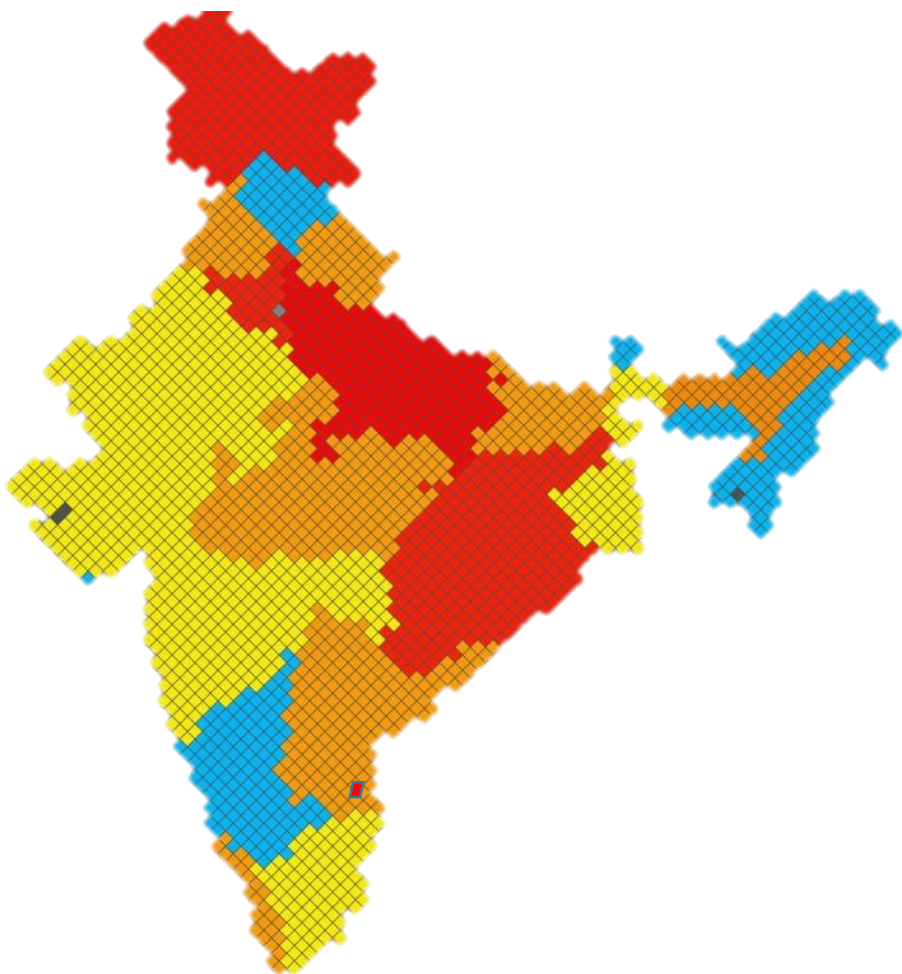
More focus required by – Bihar, J&K, Kerala, Punjab, TN,UP, NE states

States to expedite completion of Part B projects

[^] except 3 towns of Jharkhand and 1 town of Haryana



Snapshot of envisaged implementation for SCADA



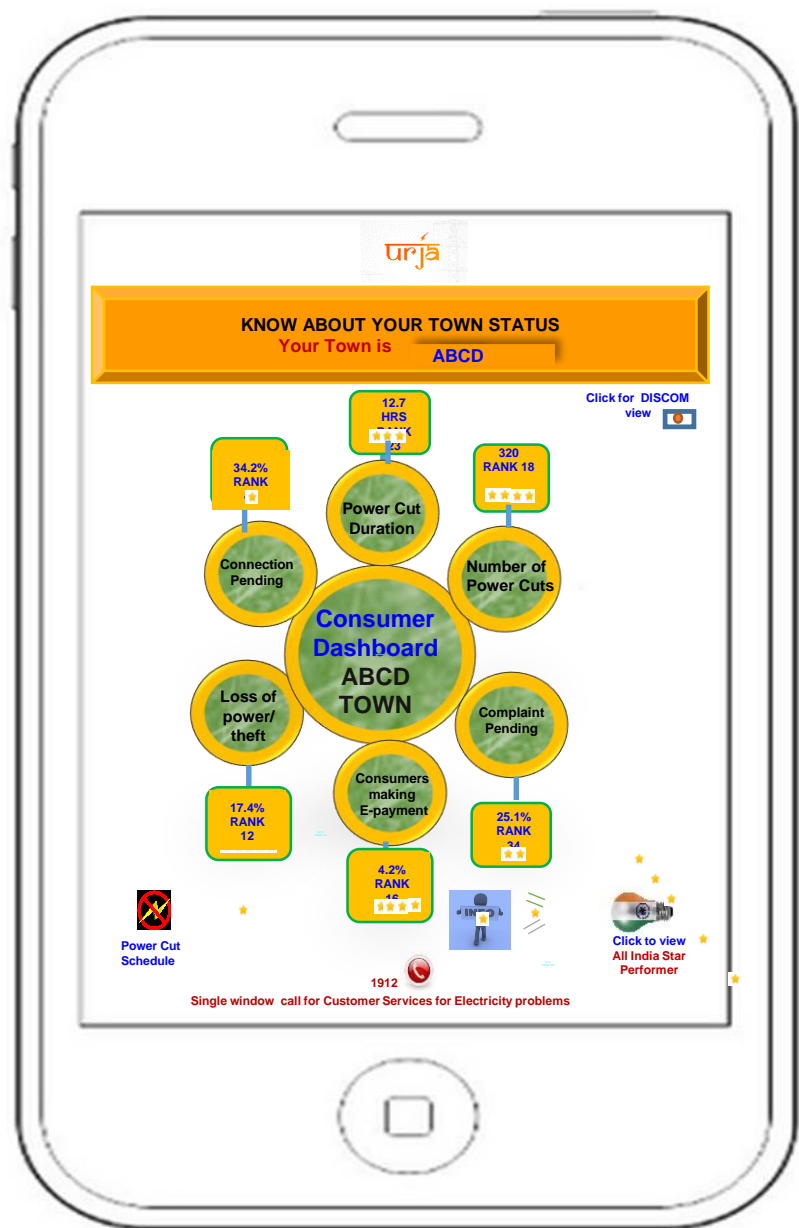
States targeted for complete SCADA roll out	Rajasthan, Gujarat, Maharashtra, TN, West Bengal (29 towns)
Next set of States targeted for complete SCADA roll out	Punjab, UK, MP, Bihar, AP, Telangana, Kerala, Assam (20 towns)
Slow states progress	J&K , Haryana, UP, Chhattisgarh, Jharkhand, Odisha, Puducherry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



URJA (Urjan Jyoti Abhiyan) App – to be launched soon



urja
KNOW ABOUT YOUR TOWN STATUS
Your Town is **ABCD**



1912
Single window call for Customer Services for Electricity problems



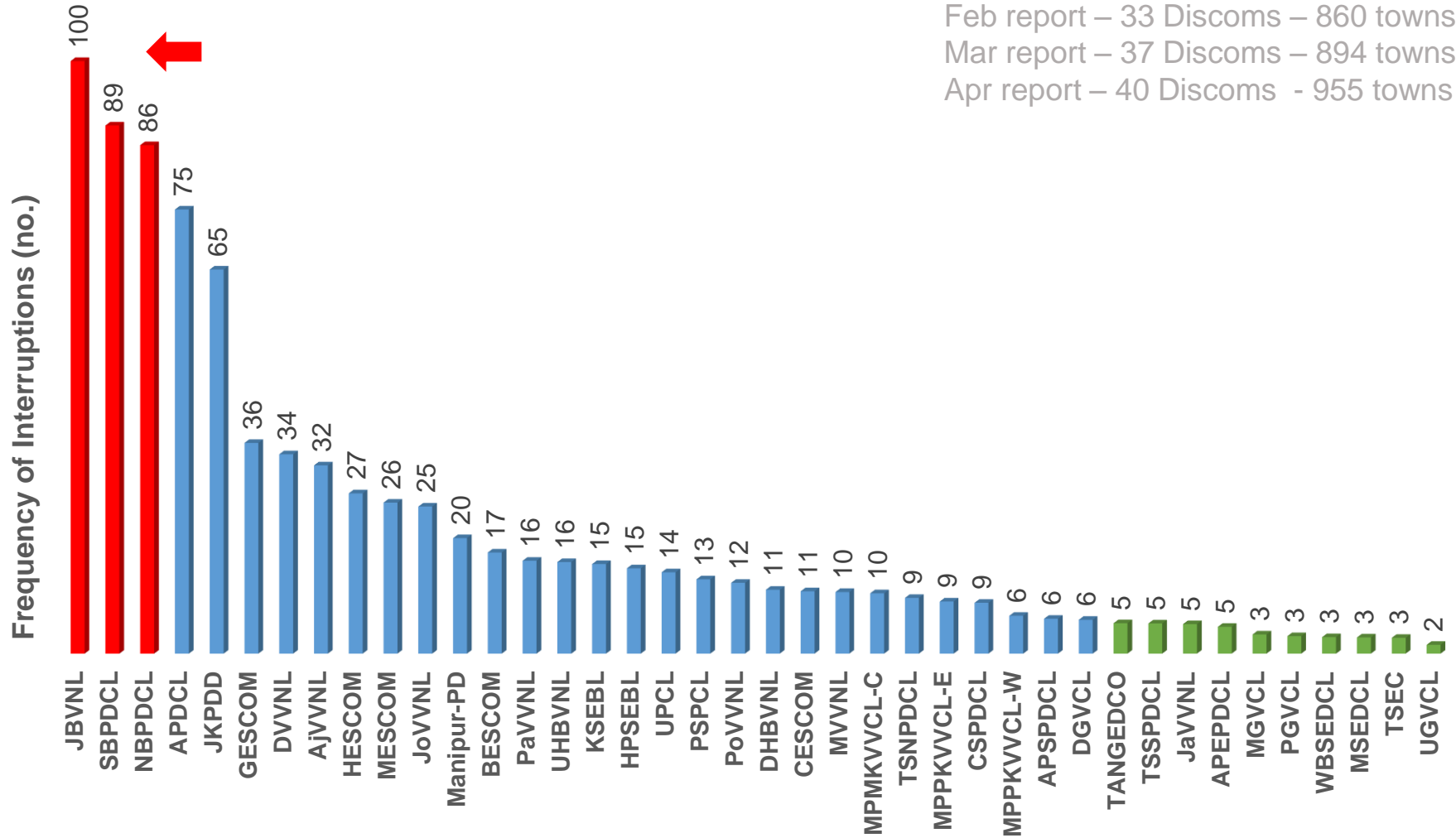
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Expectation from the States for URJA App



- 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

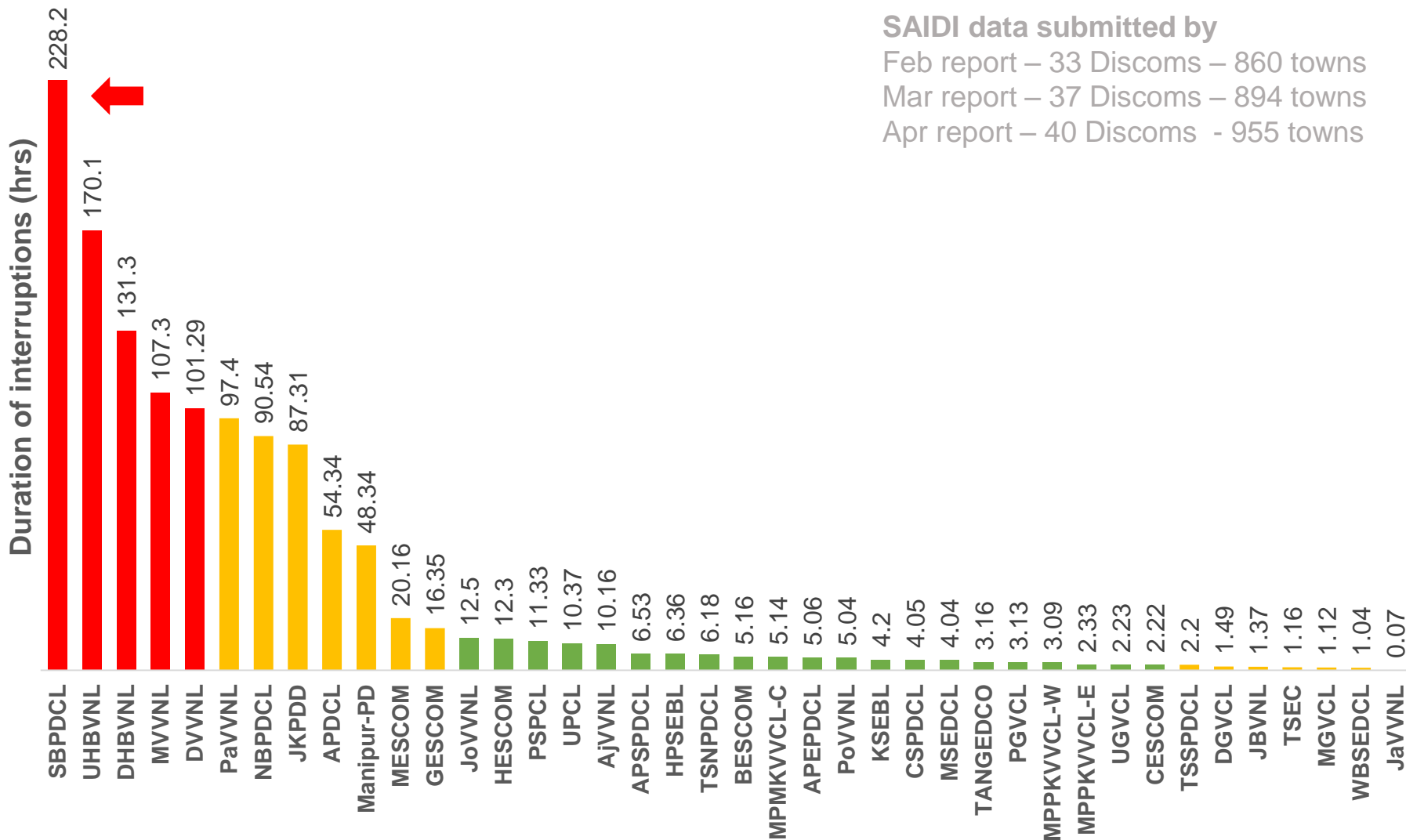
Apr report – 40 Discoms - 955 towns

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



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Power Reliability Indices - SAIDI



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



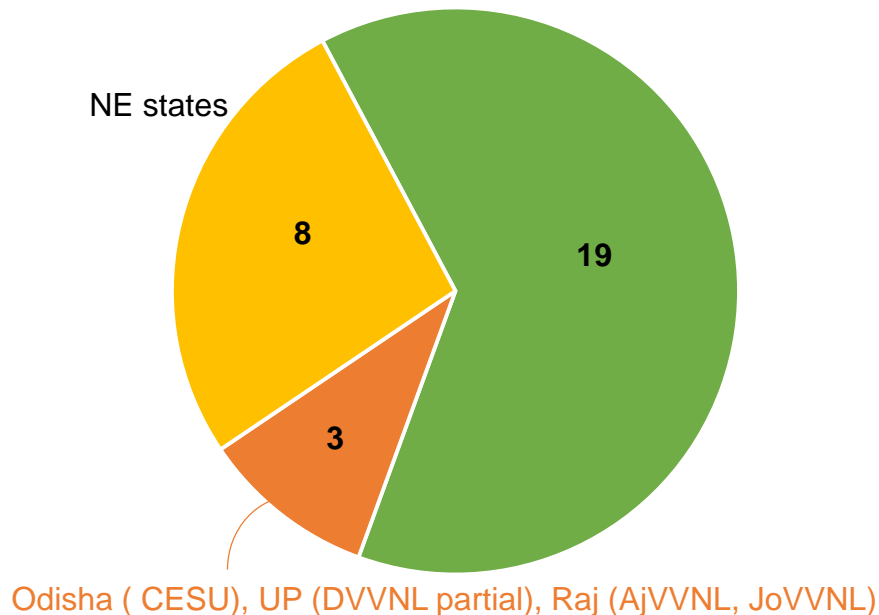
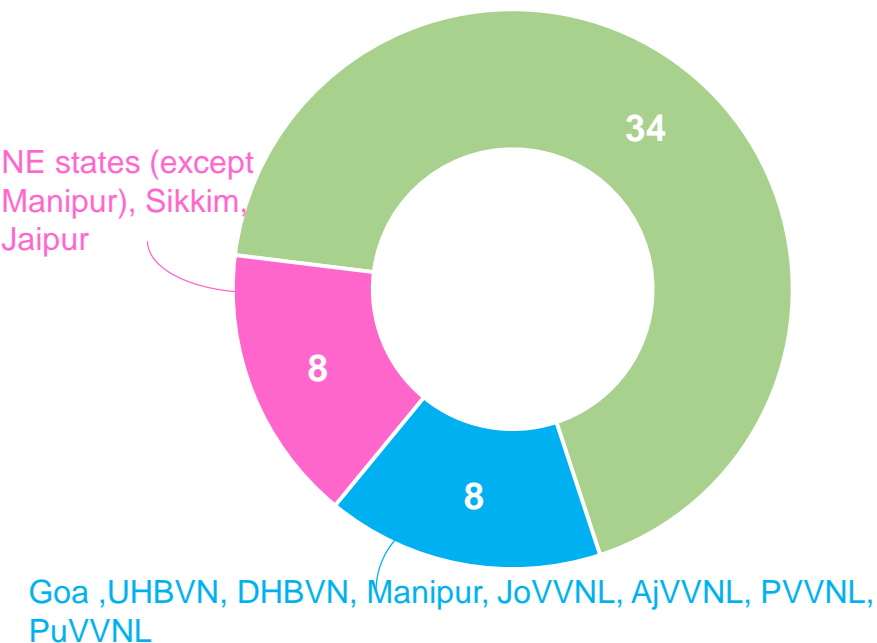
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Consumer Connect through 1912



Implementation of 1912 by Discoms - Service provider wise

Implementation of 1912 by states-coverage area wise



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

- 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



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Proposed Outage schedule format



Name of Discom

Scheduled Outage Information

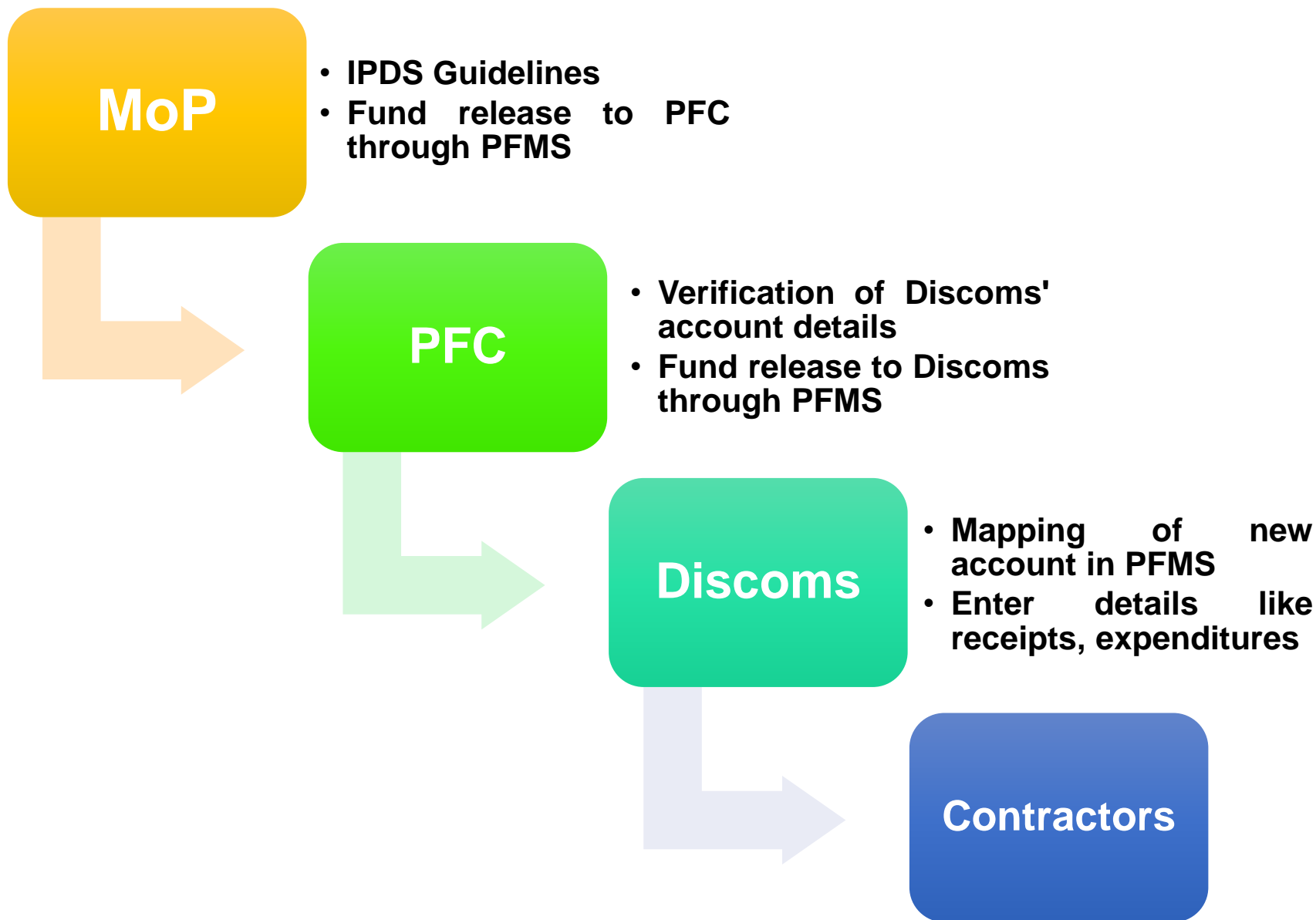
Details of Power Shut Down due to maintenance of Distribution System from DDMMYY to DDMMYY

Sr. No.	Date of outage	Name of Town	Name of Substation	Name of Feeder	Area Affected	From (HH:MM)	To (HH:MM)
1	DDMMYY						
2							
3							
4							
5							
6							
7							
8							
9							
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Public Fund Management System

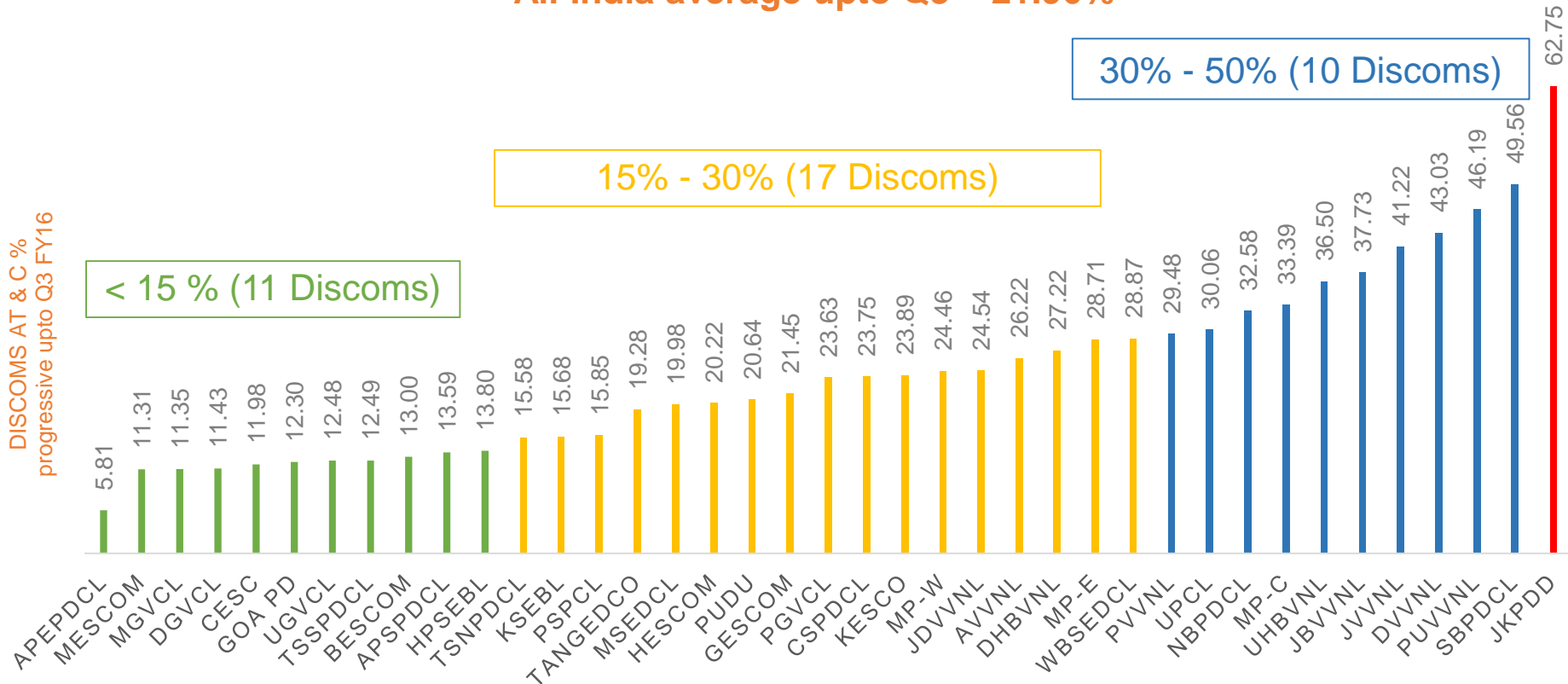




Status of Discoms AT & C loss – Progressive Quarterly (upto Q3 FY16[^])



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



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धन्यवाद।



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Feeder Master format



Feeder Code	Feeder Name	Feeder Category	Feeder Detail Type	Feeder Metered	Feeder AMR	State Code	Circle Code	District Code	Town Code	Discom	Substation Name
10011311 00000016	11 kV O/G Papersali	11 KV	U	YES	YES	5	CIR-RK	64	800326	1000525	33/11 kV Laxmeshwar S/s
10011311 00000018	11 kV O/G Tilakpur	11 KV	U	YES	YES	5	CIR-RK	64	800326	1000525	33/11 kV Laxmeshwar S/s
10011311 00000020	11 kV O/G Adams	11 KV	U	YES	YES	5	CIR-RK	64	800326	1000525	33/11 kV Laxmeshwar S/s
10011311 00000022	11 kV O/G Patal Devi	11 KV	U	YES	YES	5	CIR-RK	64	800326	1000525	33/11 kV Laxmeshwar S/s

