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Summary Analysis - November 2016

Electricity Supply Monitoring Initiative (ESMI) is a program being implemented by Prayas (Energy Group). It aims to improve transparency and provide evidence based feedback about the quality of electricity supply. Under ESMI, specially designed, mobile data enabled monitors are being deployed at each location and supply quality data is published daily at watchypurpower.org. ESMI was selected as a finalist for Google Impact Challenge, India 2013, given to NGOs using technology for social impact. It was launched in March 2015, and currently covers over 50 disteicts across India.

This report presents a summary analysis of supply quality data from 168 locations (45 Rural and 123 Urban) for November 2016. This analysis covers three main parameters of supply quality: i) no supply hours, ii) number of interruptions, and iii) evening hours of supply. The analysis is carried out for mega cities, other cities, and rural areas. See notes at the end for more details and explanation.

In November 2016



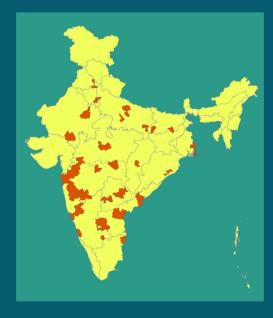
ESMI locations experienced outages for more than 15 hours



ESMI locations experienced more than 30 interruptions each greater than 15 min



ESMI locations esperienced average 30 min of outage during evening hours

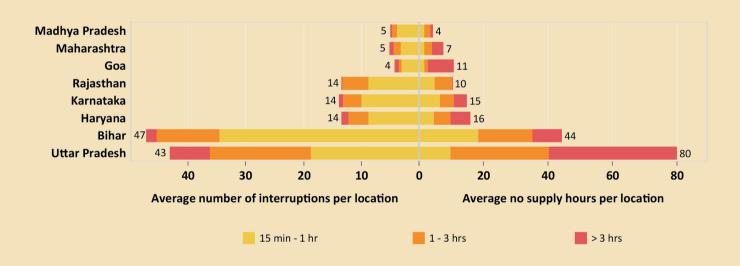


Map showing current ESMI expance at district level

Supply Quality in Mega Cities - November 2016

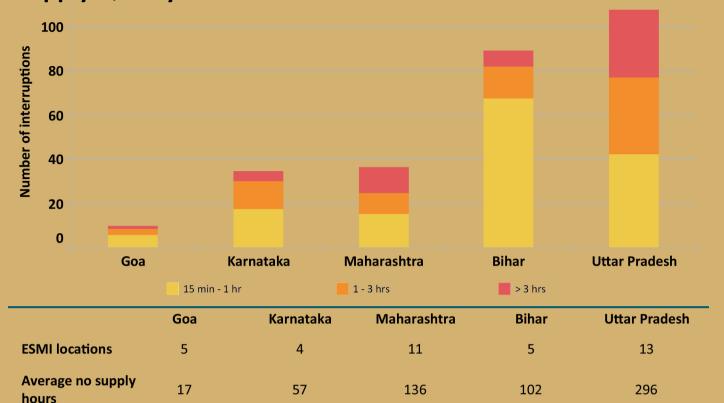
		Average number of interruptions per location				
Mega city	ESMI locations	Short 15 min - 1 hr	Long more than 1 hr	Average no supply hours per location		
Chandigarh	5	1	0	1		
Jaipur	6	1	1	2		
Delhi	5	1	1	3		
Kanpur	5	7	1	7		
Chennai	4	3	2	5		
Pune	7	2	1	4		
Hyderabad	10	7	2	11		
Bengaluru	7	5	4	10		

Supply Quality in Other Cities - November 2016



State	Cities covered	ESMI locations
Goa	3	4
Madhya Pradesh	2	4
Maharashtra	10	22
Haryana	2	4
Rajasthan	2	4
Karnataka	3	9
Uttar Pradesh	4	6
Bihar	3	6

Supply Quality in Rural Areas - November 2016



ESMI Locations Receiving Entire Six Hours of Evening Supply



85% Mega Cities

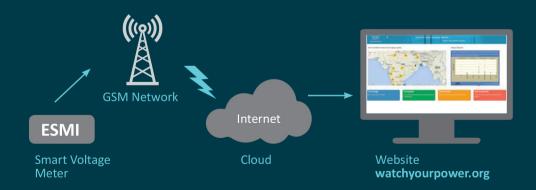


64% Other Cities



Rural Areas

Evening supply hours considered is between 5 pm to 11 pm and this analysis ignores upto 2 hours of total evening supply interruptions during the month



Notes:

- Analysis in this report covers locations with more than 90% data availability during the month
- Urban locations are State Capitals, District Headquarters and Other Municipal Areas.
- Mega Cities are urban locations as defined by Central Electricity Authority (typically with population more than 20 lakh)
- Other cities are urban locations that are not mega cities
- Rural areas are those governed by Gram Panchayats (village councils)
- Agricultural locations covered under ESMI are excluded from this analysis
- Analysis, except evening hours of supply, consider interruptions of more than 15 minutes.

Electricity Supply Monitoring Initiative

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