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Background

100%

Rural Electrification Target

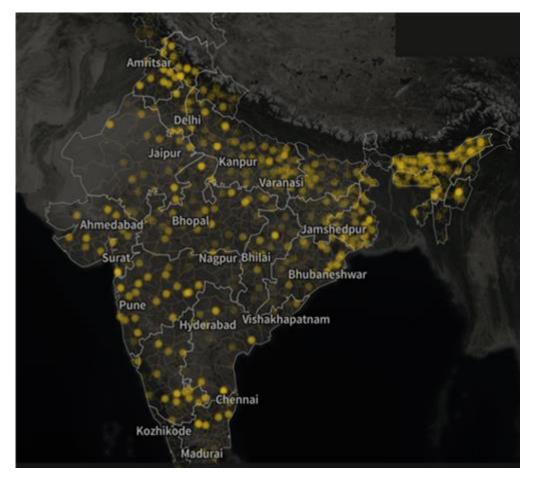
300,000,000

people without electricity access

20,000,000

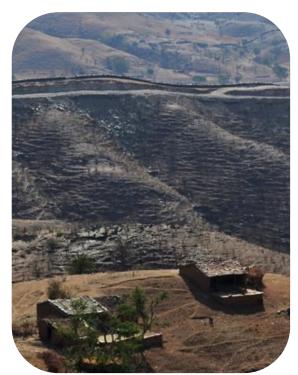
people with unreliable and inadequate supply

Power for All plans only consider supply gap and aggregate growth. Other dimensions of access have consistently been missing.



Source: nightlights.io; Photo credits: The Wire (2016)

Challenges in Current Planning



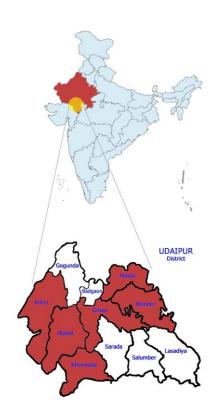


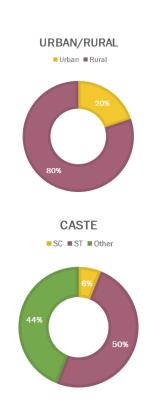


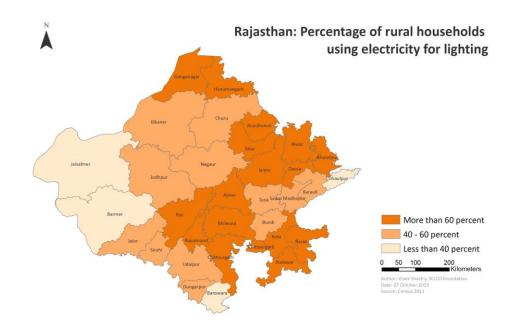
Access Re

Reliability Adequacy

Udaipur District, Rajasthan, India







Holistic Bottom-up Planning

Understanding demand better through:

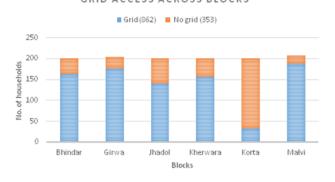
- Bottom-up demand assessment through household survey
- Correlating electricity supply level with income, health, education indicators through village-level focus group discussion
- Examining applications for new electricity connections
- Studying implementation of other rural development policies and schemes

Understanding supply better through:

- Deploying **ESMI** meters to monitor hours and quality of supply
- Collecting feeder-level supply data from the utility
- Evaluating penetration of DRE sources through household survey
- Assessing the broader ecosystem for non-grid supply options

Demand and Convergence









Assets and Aspirations
Access to services

Household

Health Education Banking Housing

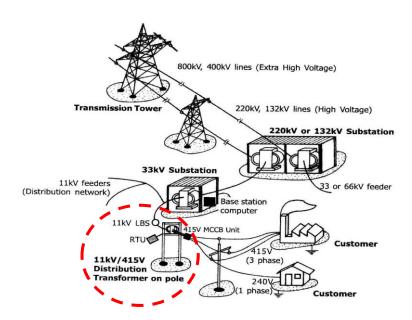
Community

Employment
Access to Electricity
Fuel Consumption
Value Addition

Livelihoods

Supply and Enabling Ecosystems

Feeder Meter Data Mapping SELCO Foundation



Electricity Supply Monitoring Initiative (ESMI) Prayas Energy Group



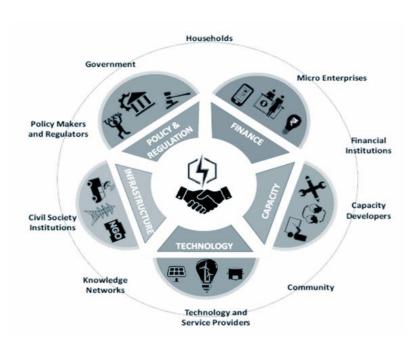
District level Inter-departmental Engagement: Energy as an Input in other Schemes



ANNUAL PLAN 2015-2016 RAJASTHAN DISTRICTWISE PLAN OUTLAY AND PHYSICAL TARGETS

Decision Making: Tools and Processes

Ecosystem Development Framework *SELCO Foundation*

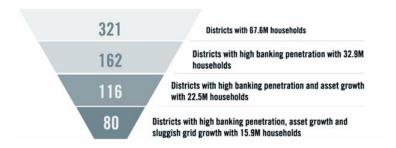


Long-range Energy Alternatives Planning

Stockholm Environmental Institute, World Resources Institute



Energy Access MapsNew Ventures, World Resources Institute





- Power for All: Transparent, Participatory Planning Eg: DRE as a complement to Grid supply
- 2 Cross-sectoral Energy Convergence for higher tiers of access

Ecosystem Development for Decentralized Renewable Energy



