





LOSS REDUCTION JOURNEY TATA POWER DELHI DISTRIBUTION LTD.

Sanjay Banga
CEO – TATA Power Delhi Distribution Ltd.

ABOUT TATA POWER DELHI DISTRIBUTION LIMITED

"To be the most trusted and admired provider of reliable, competitive power and services, and be the company of choice for all stakeholders"







51:49 Joint Venture

of The Tata Power Company Limited
(Tata Power)
and
the Government of Delhi
Formed on 1st July 2002









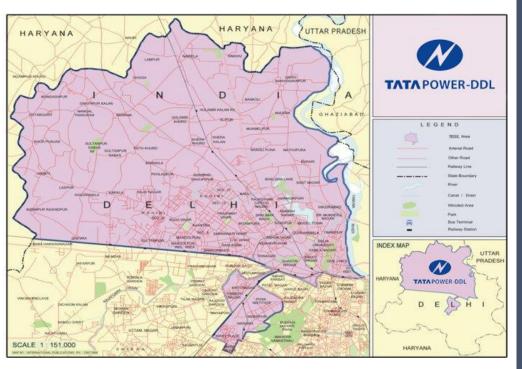




ABOUT TATA POWER DELHI DISTRIBUTION LIMITED

we believe in

MAKING A DIFFERENCE



One of the Most Successful Private Power Distribution Utility

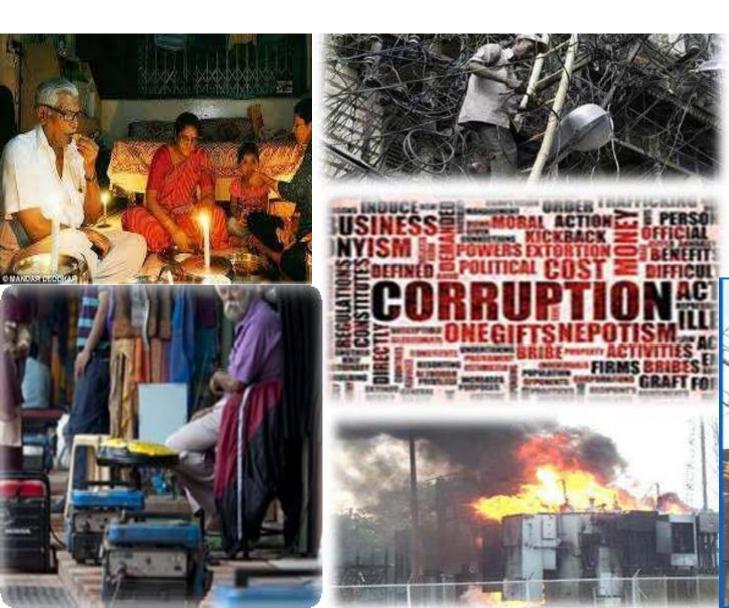
License Area: North and North West Delhi (510 sq. km)

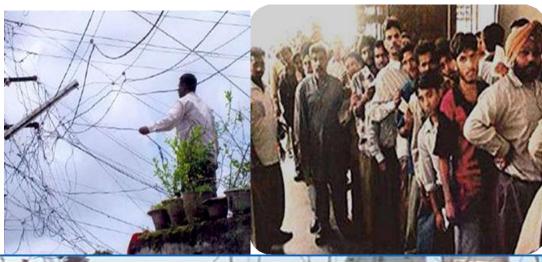
License Period: 25 years

Parameter	Unit	July '02	March'18	% change
OPERATIONAL PERFORMANCE				
AT&C Losses	%	53.1	8.40	85%
System Reliability – ASAI -Availability Index	%	70	99.67	42%
Transformer Failure Rate	%	11	0.71	95%
Peak Load	MW	930	1852	85%
Length of Network	Ckt. Km	6750	15378	128%
Street Light Functionality	%	40	99.41	150%
CONSUMER RELATED PERFORMANCE				
New Connection Energization Time	Days	51.8	2	96%
Meter Replacement Time	Days	25	2.09	92%
Provisional Billing	%	15	0.65	94%
Defective Bills	%	6	0.34	98%
Bill Complaint Resolution	Days	45	2	95%
Mean Time to Repair Faults	Hours	11	1.3	87%
Call Center Performance - Service Level	%	-	94	
Payment Collection Avenues	Nos.	20	6725	33525%
Consumer Satisfaction Index	%	-	91	
<u>OTHERS</u>				
Capex (Cumm)	Mn USD	187	1060	467%
Consumers	Count Mn	0.7	1.7	143%
Employees	Count	5600	3283	41%
			2	



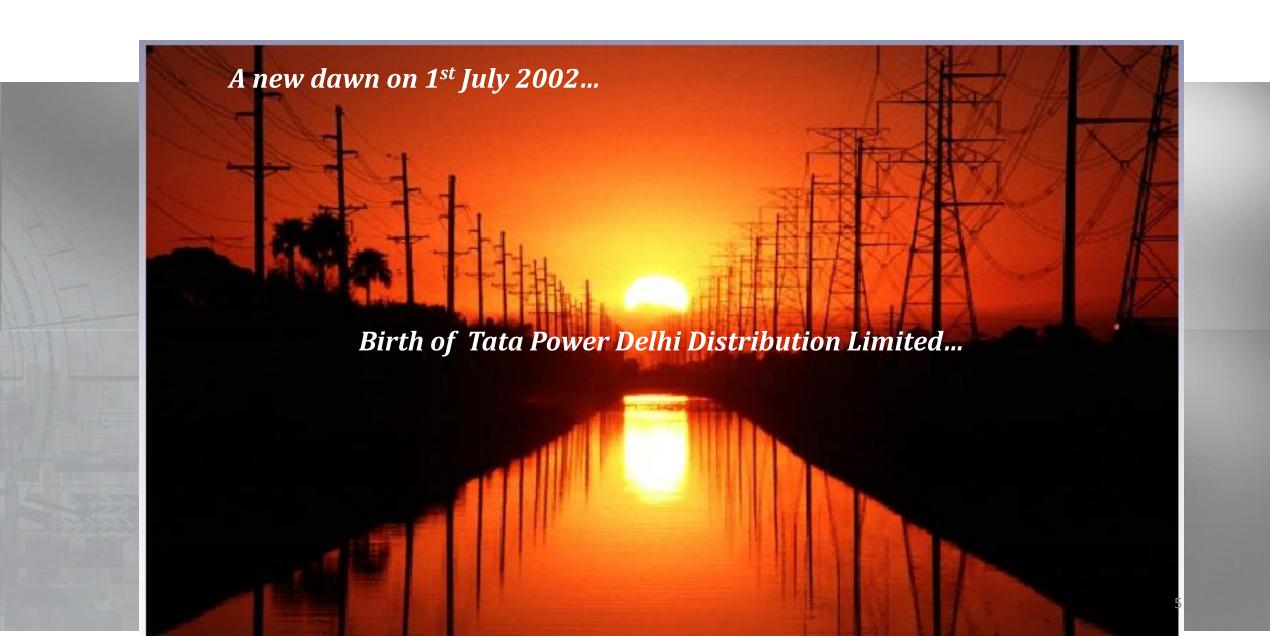
PRE-2002



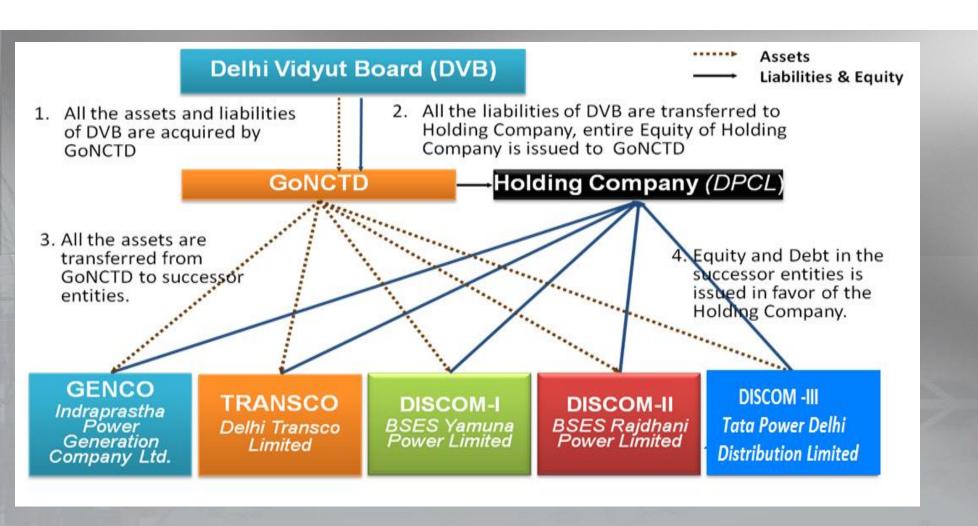




JOURNEY OF EXCELLENCE: Started on 1st July'2002



DELHI REFORM MODEL



- Asset valuation was done in Business ValuationMethod
- License-based Regulated business for 25 years.
- Guaranteed 16% RoE on meeting AT&C Targets.
- Tariff set by regulator on cost plus RoE basis.

REFORM STRATEGY



- -Run-Repair-Replace Options CAPEX Plan Preparation
- Roadmap for Network Reliability & N-1 Redundancy

State of Art IT Interface for enhanced Consumer Services and Revenue Protection - Automation & IT Roadmap

Understanding Customer Needs and Requirements

- Customer Satisfaction Survey
- Participation of Society / Meetings with Stakeholders

Commercial Process Reengineering – an industry first!

- 9 Module RCM
- Consumer Segmentation

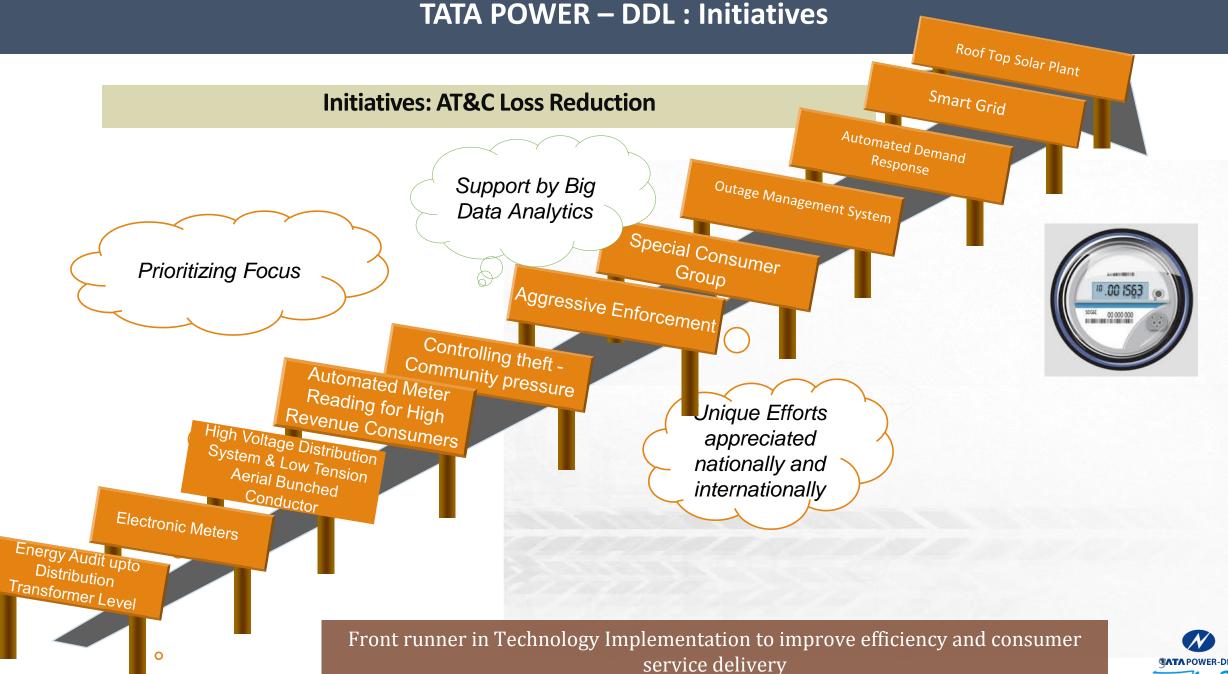
Performance Measurement and Management

Peer Competition through Monthly Score Cards

- Roles & Responsibilities through specific JDs & KRAs of individuals

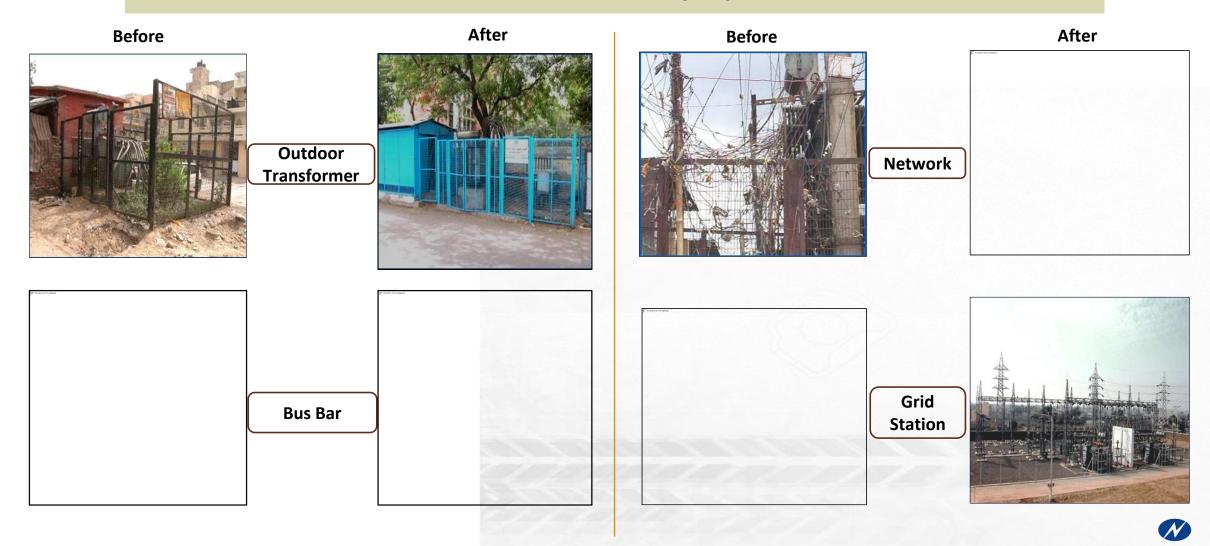
Establish TATA Brand Image

- Govern in the psyche of the Employees by Developing a Sense of Assurance
- Social Audit and Corporate Sustainability





Initiatives: Network Reliability Improvements



with you Non-Stop

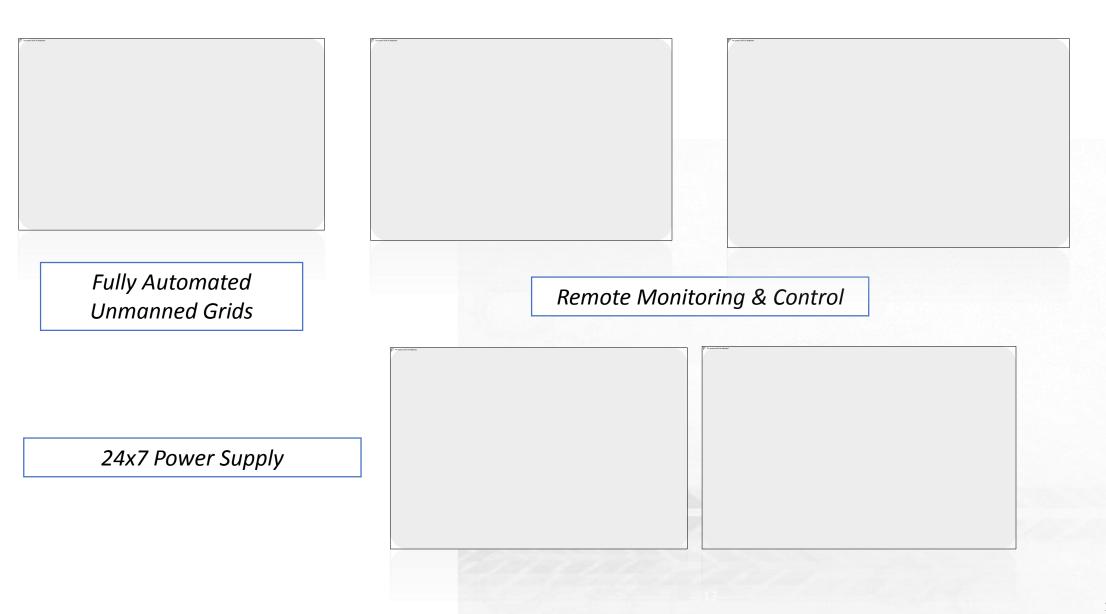
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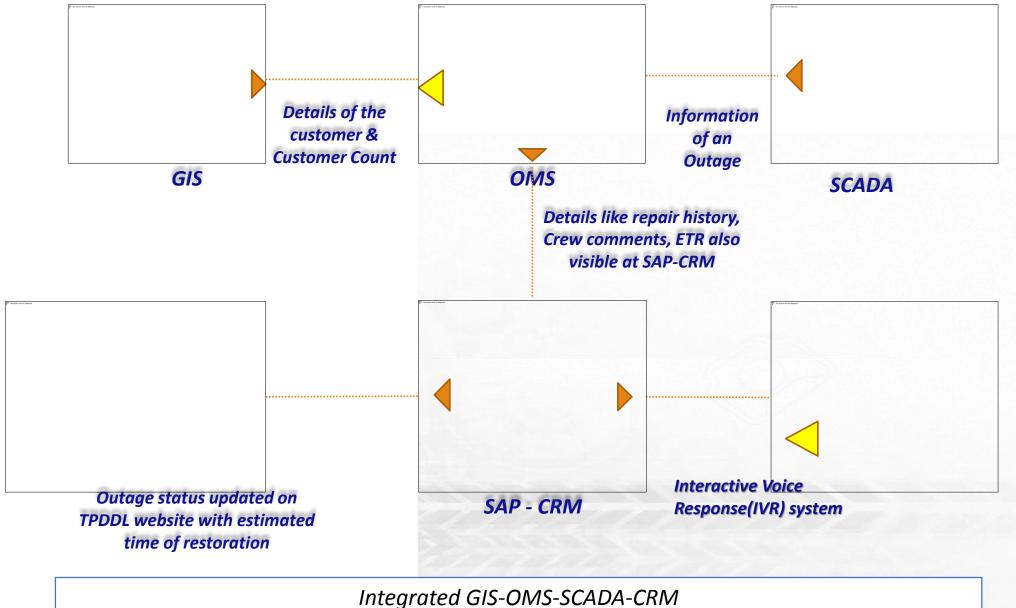
Legacy Infrastructures

Existing Infrastructures







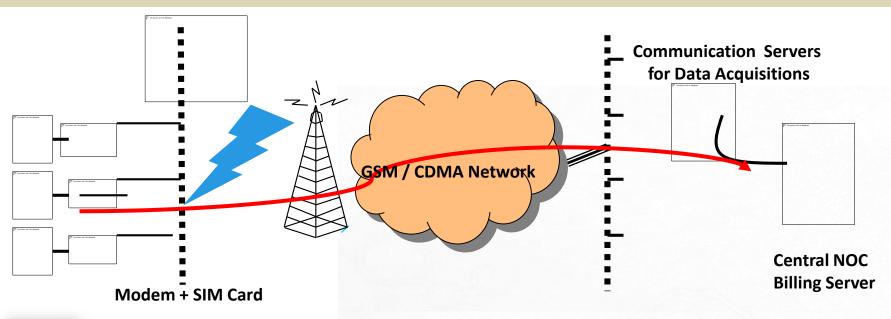




Pioneer In Utilizing Various Metering Technologies - Industry First **Automatic Meter Reading Split Metering Group Metering Pilot for SMART Meter Van Model Installation Pre-Paid Metering**



AMR Architecture @ TPDDL





First Indian utility to implement AMR for all connections above 11 KW

Approx. 55,000 LT-CT, HT and DT meters contributing 70% to TPDDL's revenue

Indigenously developed AMRDA carries out seamless reading and analysis

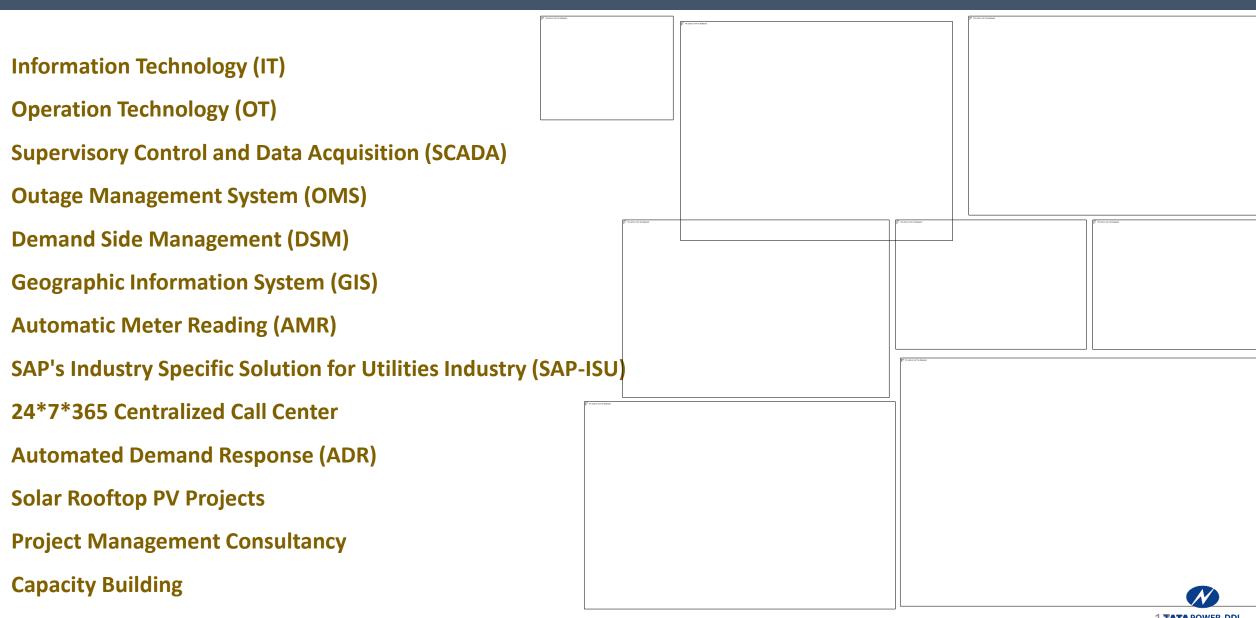
Success Rate: More than 98% per month

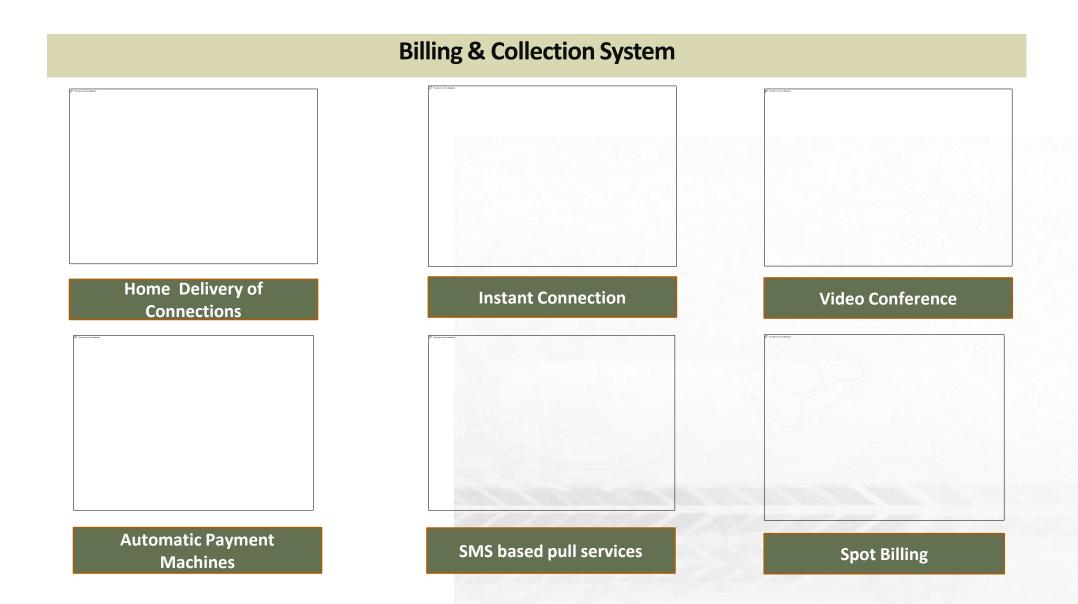


Geographical Information System Complete Geography mapped. Accurate Land base to the extent of 1 meter accuracy **Edison Award** 2008 for GIS Network at all voltage level Implementation mapped Grid and Substation Internal **Equipment Mapped** 1.5 Mn customers have been mapped on GIS

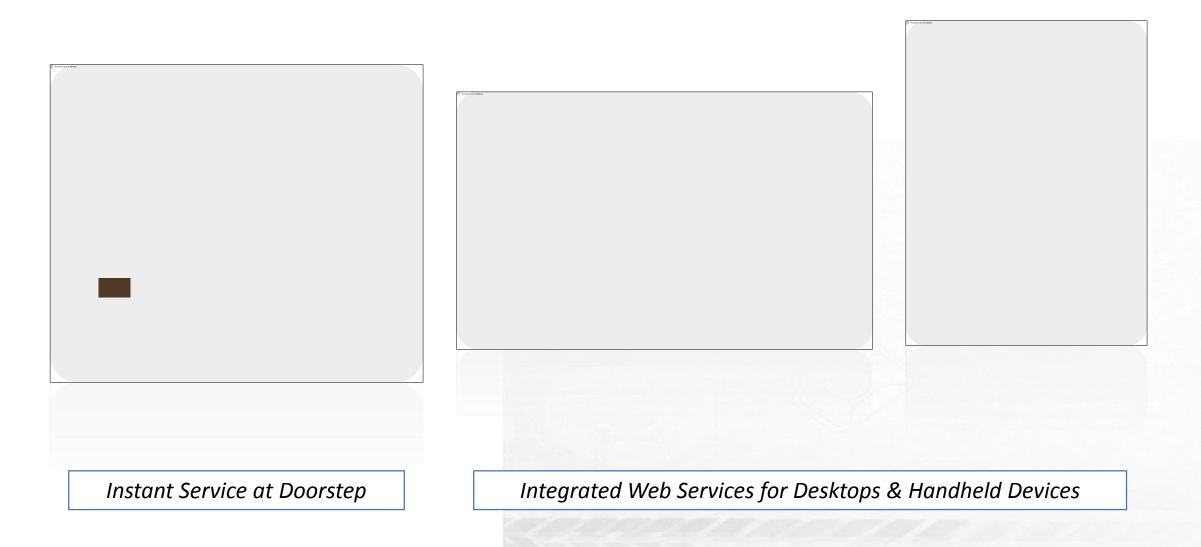


with you Non-Stop

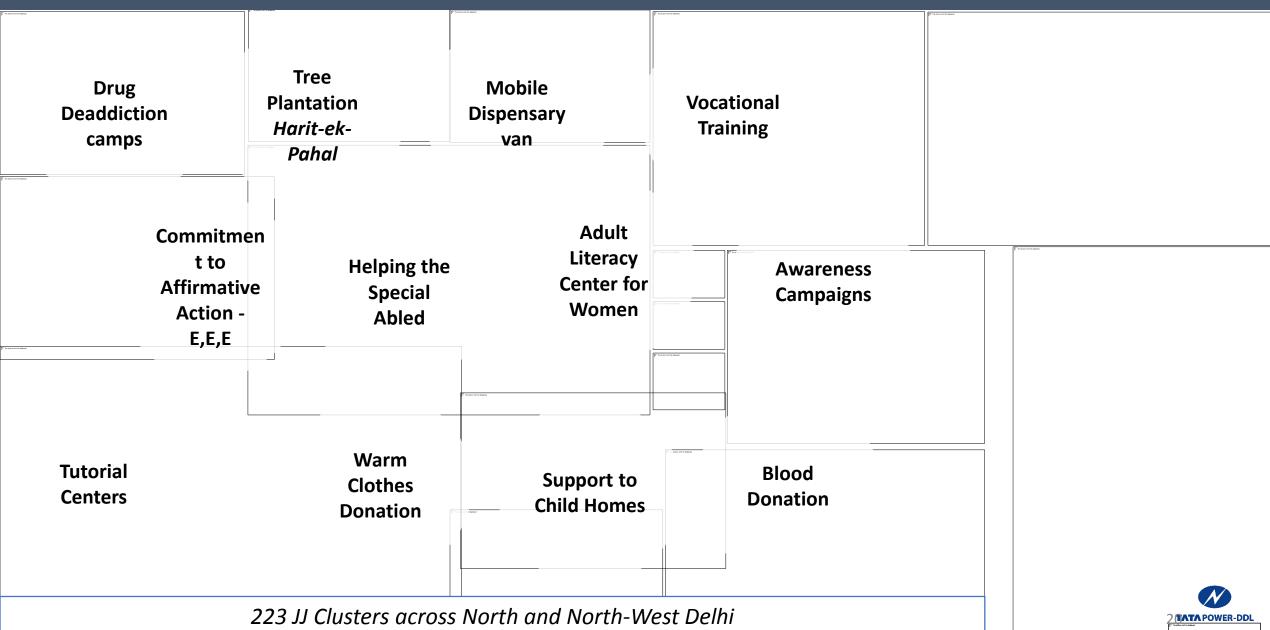




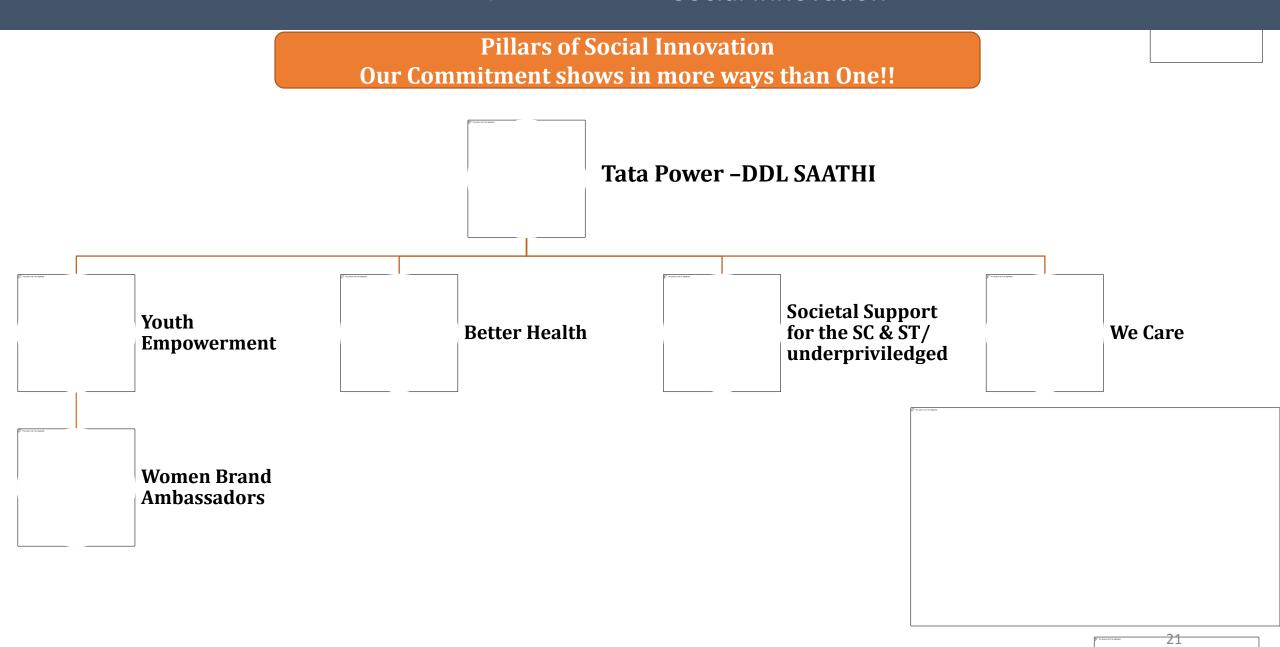






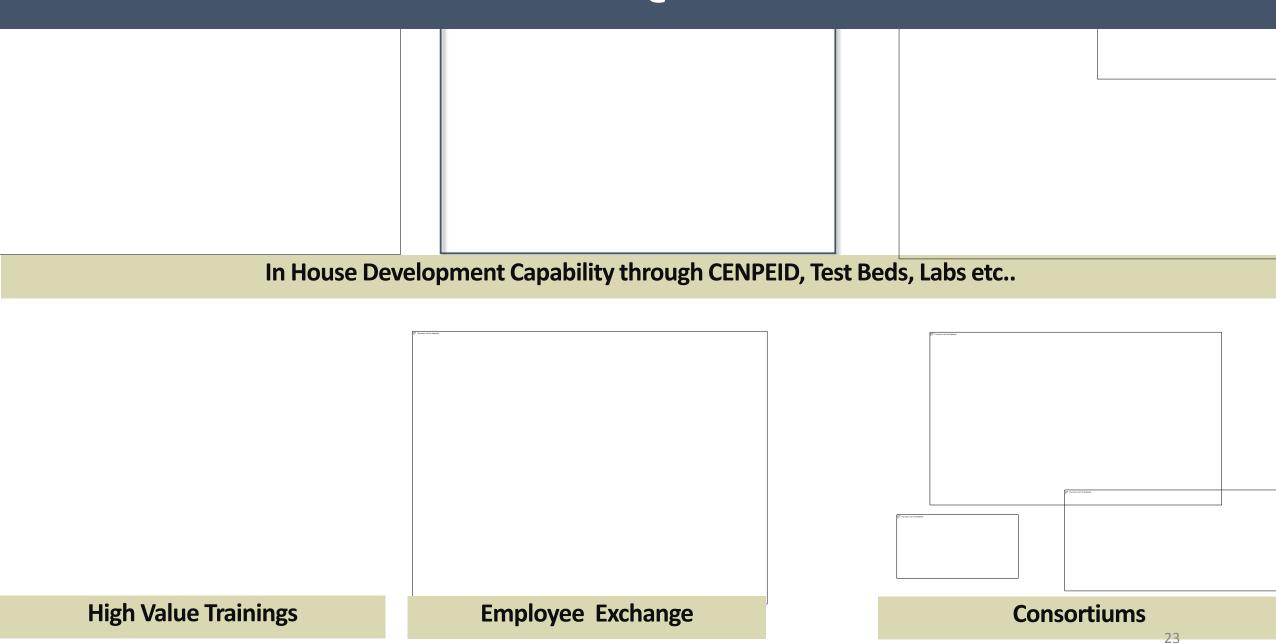


TATA POWER – DDL : Social Innovation

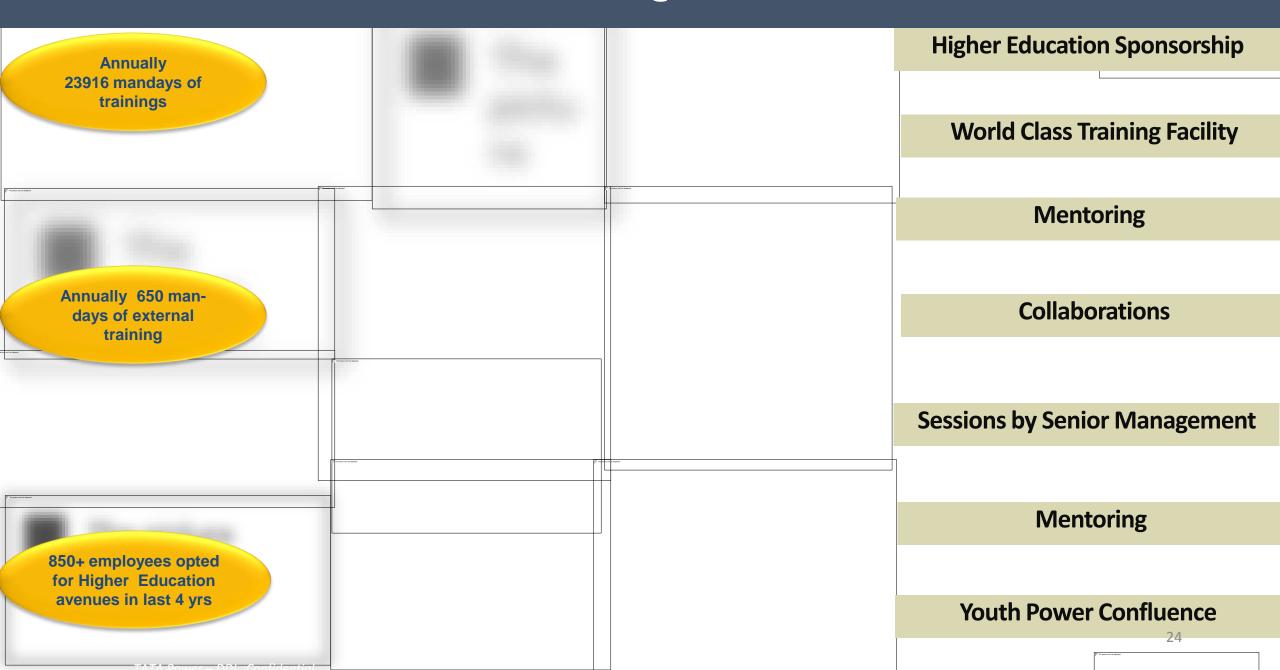


TATA POWER – DDL : Social Innovation Benefitted nearly 1.5 Mn people residing within Licensed Area

TATA POWER – DDL : EMPLOYEES @ CORE OF TRANSFORMATION



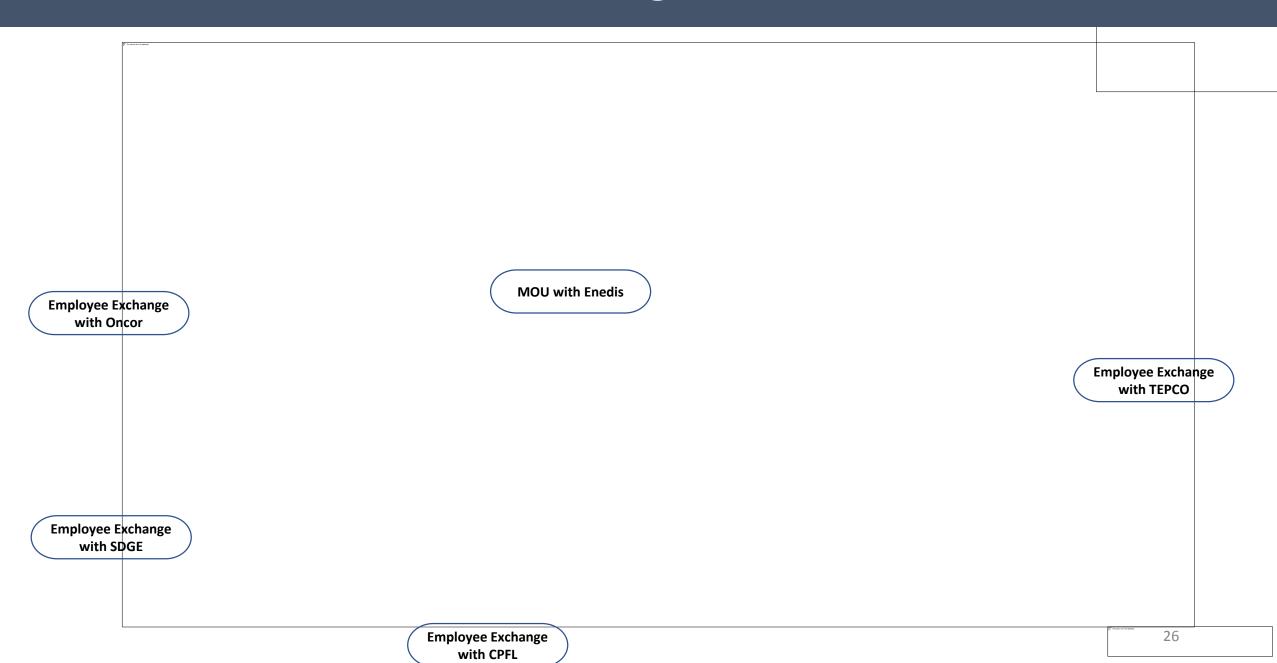
TATA POWER – DDL : EMPLOYEES @ CORE OF TRANSFORMATION



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TATA POWER – DDL :R&D CAPABILITY



TATA POWER – DDL :COLLABORATION PARTNERS

Tata Power-DDL is collaborating with 87 National and International Technology Institutional and Financial partners to not only bring efficiencies in its Licensed Area but also

working towards Sectoral sustenance and building a future proof Industry

is text.

National & International Partners varying from startups to Fortune 500















PARTNERS

100

























USAID













Ryerson University

narnix technolabs











24 **INSTITUTIONS**

16

GLOBAL **FUNDING AGENCY**













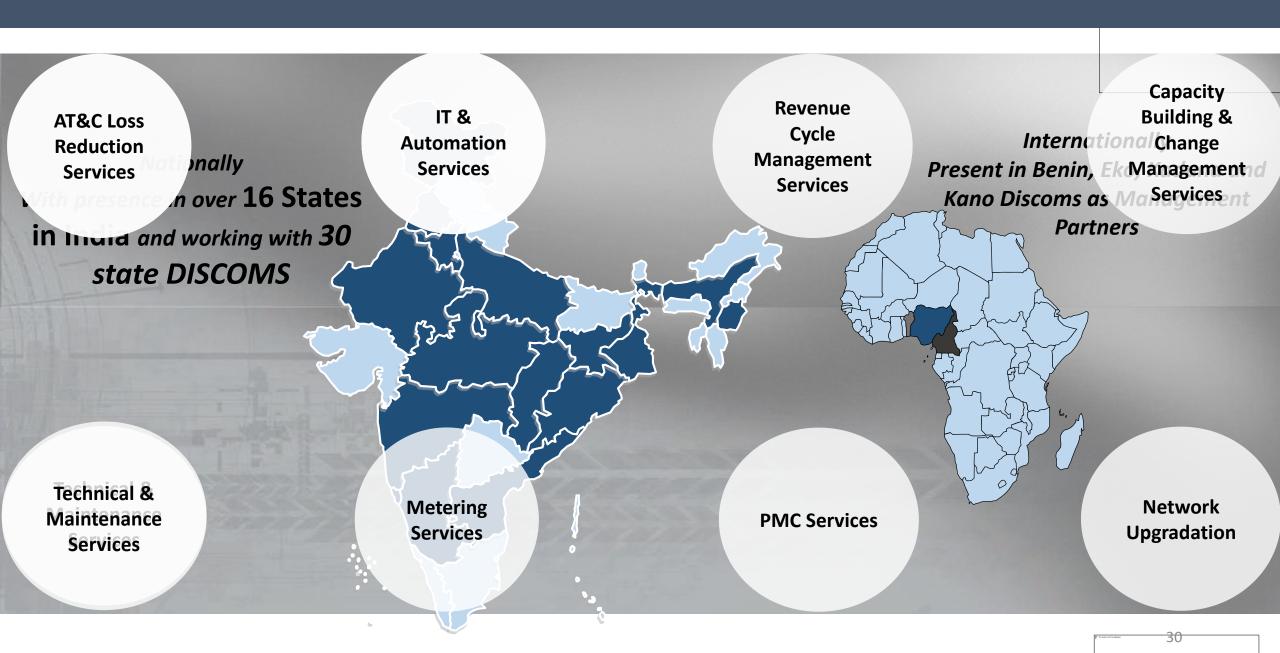








TATA POWER – DDL :OUR PRESENCE





THINK US FOR

TECHNOLOGY ADOPTION

- State-of- the- TechnologyImplementation in PowerDistribution
- Seamless Integration of Various Technologies

CREATING BUSINESS VALUES

- Managing Power Distribution services
- Transaction Advisory Services
- Consultancy services on -Loss Reduction

 / Process Re-engineering / Functional

 Consultancy
- Project Management & Managing
 Capital Investment

CAPITALIZING BUSINESS IDEAS

- Setting up Green Field Distribution
 Project
- Distribution Privatization & other business transformation model
- Managing electrical infrastructure in SEZ / Townships

PREPARING FOR FUTURE

- Capacity Building Service
- Preparation of Business Plan
- Technology Roadmap Preparation for Information & Operation
 Technology

