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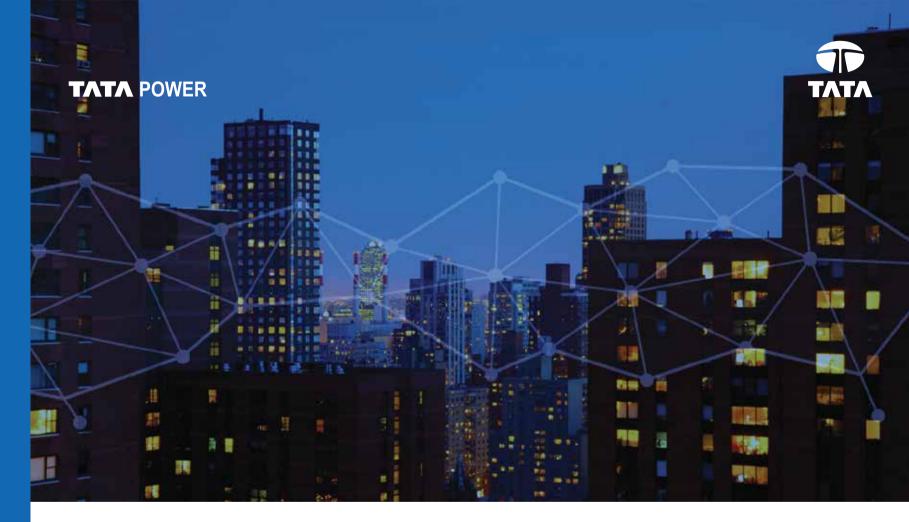


Find us on:



www.tatapower.com

The TATA Power Company Limited, Shatabdi Bhawan, B-12 & 13, Sector 4, Noida, Uttar Pradesh 201301



# TRANSMISSION & DISTRIBUTION BUSINESS

powering dreams for better tomorrow

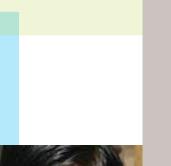












## CORPORATE SUSTAINABILITY

TATA Power strongly believes in resource conservation, energy efficiency, habitat protection and the enrichment and development of local communities in and around our areas of operations. TATA Power understands that it must function in tandem with its stakeholders to make significant progress on sustainability. Our track record - a century of innovation and leadership in the energy industry - gives us the confidence to find ways that address sustainability issues in a manner that will deliver benefits to our customers, our shareholders and to society.

Sustainability being our core philosophy, TATA Power leads the way in generation of non-emitting sources of energy that provide low-cost electricity and help reduce carbon emissions. With a 36% clean energy portfolio and with an aim to be 40-50% by 2025, TATA Power comprises the entire gamut of alternate sources to power the world.

TATA Power has partnered with the International Union for Conservation of Nature (IUCN), the world's oldest & largest global environmental organization for Biodiversity Management.

POWER HER UP - Majority of the house-helps are females who are bread earners for their own families. TATA Power as an organisation has been supporting indirectly through various initiatives such as education, supporting the SHGs, vocational training etc.

TATA Power has a pivotal role to play in the global efforts to achieve the United Nation's Sustainable Development Goals (SDGs), as we understand our contribution is indispensable to the success of SDGs' and are the biggest contributors for a sustainable world.

community-based projects and interventions, to help build a better and sustainable society through TATA Power Community Development Trust (TPCDT) The efforts are directed towards inclusive growth to transform the lives of the community.





## FROM CEO & MD'S DESK

The TATA Power Company Limited is among the oldest and most iconic company in the TATA group and its journey as a leader in India's energy sector has been truly transformational in nation building. What started as a hydropower company more than a century ago is one of India's leading energy companies today, a feat achieved by constantly reinventing itself to serve the needs of its customers and staying relevant to all stakeholders. The Company has an installed generation capacity of 10957 MW in India and a presence in all the segments of power sector, viz. Fuel & Logistics, Generation (thermal, hydro, solar and wind), Transmission, Distribution and Trading, It has successful public-private partnerships in Generation, Transmission and Distribution in India. TATA Power is also fast emerging as a leader in the renewable energy sector covering the entire spectrum of application including rooftop solar solutions & solar micro-grids and a growing national network of charging stations for electric vehicles.

We're also looking at home automation, like an IoT (Internet of Things) platform, so consumers can take advantage to minimize electricity consumption and increase energy efficiency of appliances used at home. TATA Power will not just be suppliers of energy but an Energy Solutions Company. The entire business of power is getting digitalized and decentralized and the opportunity is in empowering the consumer.

At TATA Power, good corporate governance is a way of life and the way we do our business, encompassing every day's activities and is enshrined in our way of working. The Company is focused on the enhancement of long-term value creation for all stakeholders without compromising on integrity, societal obligations, environment and regulatory compliances.

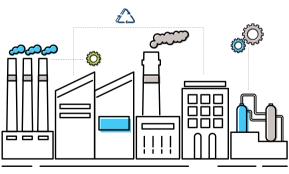
At TATA Power, we help clients across our value chain to anticipate and respond to complex market challenges and their resulting opportunities by offering an unparalleled range of services, innovation, and critical thinking. We believe in keeping customer's requirement ahead of everything else and have never failed to prove it. Safety and Quality are our key drivers which create a distinct mark for us across the globe as we continue to move in our journey towards excellence.

#### **Praveer Sinha**

Chief Executive Officer & Managing Director







## THE TATA POWER COMPANY LIMITED

Since 1915 - A company belonging to the world-renowned TATA Group, India's largest private-power utility

TATA Power, together with its subsidiaries and joint entities, is present across the entire power value chain of conventional & renewable energy and next-generation customer solutions.

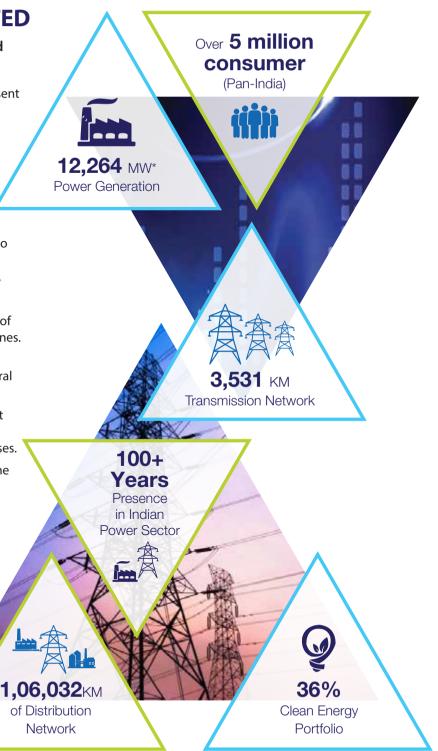
- Generation: Commissioned India's first 4,000 MW Ultra Mega Power Project in Mundra, Gujarat based on Super- Critical Technology.
- **Generation:** Installed India's first 500 MW generating unit with multi-fuel burning capability at Trombay, Mumbai.
- Generation: Commissioned the first 126 MW cross-border hydro power project at Dagachhu.
- Renewable Generation: India's #1 Solar Rooftop EPC Company for 4 Years in a row.
- Transmission: Importing 1,550 MW of power for various states of India from Bhutan through their own dedicated transmission lines.
- **Distribution:** Power Distribution in various parts of India like National Capital Delhi, Financial Capital Mumbai, Ajmer & Central Distribution Company of Odisha.
- TATA Power, Delhi has achieved the distinction of being the first success story of Public Private Partnership in Power with a reduction of more than 87% in the Technical & Commercial losses.
- Next Gen Power Solution: TATA Power has also invested into the new rising technologies like developing EV Charging Stations, Home Automation, Smart Lighting, Clean Energy etc.
- Trading: With an intensifying track record of Performance, Customer Care and Sustain Growth, the trading wing has also emerged as a pioneer in shaping India's vibrant power trading market.
- TATA Power's latest business integrated solutions, focusing on mobility and lifestyle, is poised for multi-fold growth.

## **POWER GENERATION BUSINESS**

**Gujarat | Mundra** Thermal | 4150 MW

Karnataka | Pavagafa Solar | 150 MW Maharashtra | Bhira Hydro | 300 MW

Orissa | Kalinganagar Waste | 135 MW



## FROM PRESIDENT T&D'S DESK

The TATA Power Company Limited is a front runner in implementing the Smart Grid vision in India & to cater the needs of our industry partners for end-to-end solutions in areas of IT and Grid Modernization Consultancy & Implementation, Project Management Service, Building Transmission Lines and Distribution Infrastructure, Operation & Maintenance of T&D, Revenue Management System, Value-added Services, Business Process Reengineering, Capacity Building & Energy Management Services both within the country as well as on international terrain, and also handhold utilities for adopting and deploying state-of-the-art technologies present across the entire power value chain of conventional & renewable energy services and offers next-generation customer solutions.

Worldwide our large presence has created the niche in the market for our brand value, where safety & quality are the key parameters for us. We have also collaborated with a number of academia & industry partners to offer customized solutions to make our clients future ready.

We are gearing towards being future ready and our efforts are aimed at improving the healthiness of Power Transmission & Distribution sector by leading the change. I am proud to share with you this information brochure which speaks volumes on our rich experiences, capabilities and achievements of TATA Power in Transmission & Distribution sector business.

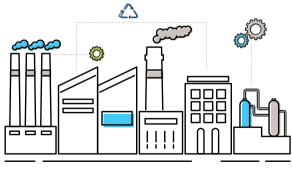
#### Sanjay Kumar Banga

President – Transmission & Distribution









## **POWER TRANSMISSION BUSINESS**

## THE TATA POWER COMPANY LIMITED, MUMBAI - TRANSMISSION BUSINESS

Transmission Operations of TATA Power in Mumbai License is spread over the entire city of Mumbai and its suburbs, with more than 1,125 CKT KM of transmission network to meet the ever-growing power needs of Mumbai and in helping the city achieve and retain its premium status of the commercial capital of India.

The entire transmission system is centrally controlled from Power System Control Centre (PSCC) through the state-of-the-art unified SCADA system.

#### **Key Strengths**

- TATA Power Transmission operates with grid availability of 99.75%, supply availability of 99.99%
- Expertise in constructing transmission lines with Multi Circuit Narrow Base Towers in densely populated cities and hutments
- Expertise in constructing transmission lines in creek areas, mangroves and forests
- Innovative methods for voltage upgradation of Transmission Lines within the urban areas.

#### **POWERLINKS TRANSMISSION LIMITED**

POWERLINKS TRANSMISSION LIMITED (PTL) is a joint venture between the TATA Power Company Limited (51%) and Power Grid Corporation of India Limited (49%). It is the testimony of a pioneering Public-Private Partnership (PPP) in the transmission sector in India.

#### **Core Competencies**

- Statutory Clearences, Fund Raising
- Project Commissioning, Realistic Cost Estimation
- Construction & Warehouse Management
- Environmental Impact Assessment
- Supply Chain Manageemnt & Procurement
- Detailed Engineering Designs & Reviews
- Site Supervision & Project Management
- Strong Feasibility Studies

#### **Key Strengths**

- Skilled & Trained Manpower
- Strong Project Management Skills
- Accreditation to quality standards

#### TALA Transmission – A SAGA of SUCCESS

The Transmission Project involved construction of the transmission lines (1166 kms) from Siliquri in West Bengal via Bihar to Mandola in Uttar Pradesh.

#### The beneficiaries of the projects are:

**Eastern Region:** West Bengal, Bihar, Jharkhand, Orissa and Sikkim.

Northern Region: Haryana, Punjab, Rajasthan, U.P., J&K, Himachal Pradesh, Uttarakhand, Delhi.



TATA Power-DDL has been a forerunner in the adoption of state-of-the-art technologies and is a hub of all technological solutions, built its core competencies in utility management and is using these competencies to expand its footprints in different geographies both nationally and internationally, providing distribution related services including operations management, commercial management integration of information and operations technologies for smarter and intelligent functioning of distribution networks, change management, process re-engineering, capacity building etc.



## TATA POWER DELHI DISTRIBUTION LIMITED (TATA POWER-DDL) Model: Public Private Partnership (PPP) Area: 510 sg. Km

PARAMETERS	Time of Inception (2002)	Present Situation (2020)
Consumers Base	0.71 million	1.76 million
Peak Demand	930 MW	2069 MW
AT&C Losses	53.10%	7.89%
Network Length	6,750 Km	13,065 Km
ASAI -Availability Index	70%	99.70%
Street Light Functionality	40%	99.64%
Number of Employees	5600	3380
Estimated Billing	15%	0.40%
New Connection Time	51.80 days	2 days
Consumer Satisfaction Index	-	94%







	TP AJMER DISTRIBUTION LIMITED (TP-ADL)	THE TATA POWER COMPANY LIMITED (TPCL)	TP CENTRAL ODISHA DISTRIBUTION LIMITED (TPCODL)
Model	Distribution Franchisee Agreement	Multiple Distribution Licensee	Public Private Partnership (PPP)
Area	190 sq. Km	485 sq. Km	29,354 sq. Km
Parameters	Present Situation (2020)	Present Situation (2020)	Present Situation (2020)
Customer Base	0.15 million	0.72 million	2.7 million
Peak Demand	128 MW	908 MW	1482 MW
AT&C Losses	9.96%	1.48%	30.44%
Network Length	2700+ Km	4562.4 Km	HT - 40631 Ckt/KM
			LT - 55197 Ckt/KM
Collection Efficiency	99.81%	99.56%	90%
New Connection Time	1.45 Days	2 Days	5 Days
Number of Employees	135	377	5359

## **TECHNOLOGY ADVANCEMENTS**

Diversified technologies for diversified business

#### GRID MORDERNIZATION INFRASTRUCTURE

- Unmanned Grids
- Network Expansion Planning
- Network Modelling DMS / SCADA
- Fibre Communication Infrastructure
- Readiness of ADMS Solution
- Substation Automation & Distribution Automation
- Distributed Energy Resources (DER) Solutions
- Other in-house developed software to improve operational efficiency of the system.

#### IT INFRASTRUCTURE

- State-of-the-art IT Infrastructure
- Data Integration & SAP-ISU and ERP Solution
- Enterprise Resource Planning Solution
- Customer Integrated System (CIS)
- Distribution Management System Readiness
- Secondary Data Centre (SDC)
- 24\*7 Cyber Security Control Room.

#### SMART TECHNOLOGICAL ADVANCES

- Business Analytics & Intelligence
- Advanced Metering Infrastructure (AMI) Solution & Prepaid Metering
- 10 MWh Battery Energy Storage
- Enterprise Service Bus
- Field Force Automation
- Penetration of EV and its associated Infrastructure
- Renewable Energy Management & its Integration
- Rooftop Solar, Demand Side Management and Energy Efficiency Initiatives.



#### **DIGITALIZATION**

- · Digital Grid Solutions
- Touch based Distributed Digital
- Remote Meter Reading & Integrated Billing Solution
- · Power Management Portfolio Solution.

#### **EMPLOYEE FRIENDLY SERVICES**

- Dedicated Employee Self-Services Platform
- Well Structured Learning and **Development Programmes**
- Digital Performance Management
- · e-Learning Portals.

#### **CUSTOMER SATISFACTION**

- Focus on Ease of Doing Business
- Empowering Customer Self Service Platform
- 24\*7 Customer Care Centres
- Automated planned outage information
- Chatbox / Video Conferencing
- ESCO / Renewable Services
- Digital Payment Avenues
- Social Media Campaigns on Energy Savings.



### **System Integration**

End to end implementation and O&M services for Billing & ERP Solution, Grid Modernization, Smart Grid (AMI /ADMS /SCADA /DMS /OMS/GIS, etc.) and its Integration, Power Management, Distribution and Transmission **Network Management** 



#### **Managed Services**

Data Analytics & Energy Audit, Relay Setting Audit - Protection Setting Calculations, Customer Relationship Management, Revenue Management Services, Operation & Maintenance Management, Smart Utility Operations, Managing Transmission Lines, GIS HV Testing – Up to 600 KV,

Protection System Audit, Control Centre Operations for both Distribution & Transmission sector

**OUR SERVICES - TRANSMISSION &** 

**DISTRIBUTION CLUSTER** 

**Core Business** 

Evaluation of Public Private Partnerships, Mergers and Acquisitions.

Franchisee Models, Exploration of New Business Proposition for

betterment of power Distribution & Transmission business

Management & Technical Service, Project Management, Detailed Project Report (DPR), Business Process Re-engineering, Loss reduction, Distribution Master Plan, Quality Assurance & Inspection, Network Planning,

Transmission Planning, etc.

**Management Consultancy** 



#### **Technology Advisory** Services

Technology Roadmap, Remote Metering Solutions, (AMI/ AMR), Energy Management Solutions, ADMS/SCADA, GIS and Smart Grid Services, Smart Utilities, Smarter DISCOMs



## **Capacity Building (T&D)**

Benchmark Practices in Loss Reduction, Best Practices in Distribution & Transmission Sector, Best Commercial Practices. and Safety Practices, Change Management Services, Preparing for Future Technologies, Theft Detection at our training centres



## **Integrated Services**

Integrated Services such as Meter Management, Meter Reading, Billing & Collection and sharing of Common Infrastructure for essential services like Gas, Electricity and Water



## **NATIONAL PRESENCE**

With increasing impetus from Gol in terms of several power sector reform initiatives, timely & qualitatively completion of capital investment projects is becoming a priority.

With this background, TATA Power is providing services in more than 22 states across the nation with project outlay of approx. 3.6 billion USD

#### **JHARKHAND**

- Project Management\*
- LED Street Lights Project Management and Annual Maintenance
- SCADA/DMS Consultancy\*
- IT Project Management Unit
- SMAST & Smart Grid Roadmap (JUSNL)
- Power System Improvement Project (JUSNL)

#### UTTAR PRADESH

- Sarthi Energy Audit & Analysis and IT Support Services (5 discoms)
- DPR Preparation & Project Management for PVVNL\*, MVVNL\*and DVVNL\*
- AMR Reading, Billing & Data Analysis on Cloud PVVNL
- Project Management for Lucknow & Ferozabad Town\*
- SCADA Consultancy\*
- Call centre and consumer care centre consultancy for deployment of CRM

#### **HARYANA**

- Supply, Implement, Operate and Maintain Power Portfolio Solution
- DPR Preparation & Project Management
- AMI Advisory for DHBVN (World Bank)
- Consultancy for Distribution Retail & Supply Functions
- IT Consultancy\*
- SCADA Consultancy \*
- Establish Monitoring and Evaluation Framework for Agricultural Consumers
- Diagnostic study for Energy Audit, Load
   Management and Power Procurement Practices
- DPR Preparation and Load Flow Study for Kurukshetra, Karnal and Kaitahal

#### **CHHATTISGARH**

- DPR Preparation & Project Management\*
- IT Consultancy\*
- LED Street Lights Project Management and Annual Maintenance

Advisory Services for Performance
 Improvement of CSEB successor Entities

#### **WEST BENGAL**

- DPR Preparation & Project Management\*
- Development of 1,166 Kms of EHV Transmission Line from Siliguri in West Bengal to Mandola in Uttar Pradesh

#### GOA

- IT Implementation Works\*
- DPR Preparation & Project Management\*
- IT Support Cell for Goa Electricity Department
- Project Monitoring Consultancy for Transmission Network Strengthening Project

#### KARNATAKA

- Project Management Services for all 5 DISCOMs\*
- Consultancy services for pre-commissioning activities of 400kV D/C (QUAD) Cuddalore -Nagapattinam Transmission

#### CHANDIGARH

- Smart Grid Pilot (NSGM)
- Project Management of Distribution Network
- LED Street Lights Annual Maintenance
- IT Consultancy

#### **JAMMU & KASHMIR**

- PIA for Strengthening of Distribution Network, Smart Metering\*
- SCADA Consultancy

#### **MAHARASHTRA**

- Consultancy for construction of 400kV D/C (QUAD) Jaigad-Karad Transmission lines
- Supply, Installation & Commissioning two circuits of 110KV cables for NMIA Project

#### DELHI

- LED Street Lights (North MCD) Management & Annual Maintenance
- 508 KWp Rooftop Solar at Rashtrapati Bhawan

#### **PUNJAB**

 LED Street Lights – Project Management and Annual Maintenance

- SCADA Consultancy\*
- Ludhiana Smart City LED Street Light Project (Installation and AMC)

#### **MANIPUR**

• Capacity Building on O&M

#### MADHYA PRADESH

- DPR Preparation & Project Management\*
- SCADA Consultancy\*

#### **RAJASTHAN**

- LED Street Lights Project Management and Annual Maintenance
- Renewable Energy Integration for RREC (ADB)

### **ASSAM**

Business Process Re-engineering

#### **ODISHA**

- Project Management for Puri (OPTCL)
- IT Consultancy\*
- SCADA Consultancy\*

#### **HIMACHAL PRADESH**

 Consultancy Services for Construction of 400KV D/C (QUAD) LILO Transmission Line

#### ARUNACHAL PRADESH

• Rural electrification of 1058 off-grid villages

#### **GUJARAT**

- Setting up SAP Criteria
- AT&C Loss Reduction training to GETRI officials

#### **MEGHALAYA**

 Capacity Building NER Power Sector Improvement Project

#### **ANDHRA PRADESH**

• IT & Smart Grid Roadmap

Projects marked with \* have been awarded under various schemes of Government of India such as DDUGJY (erstwhile RGGVY), IPDS, R-APDRP, NEF, SAUBHAGYA etc.





## **INTERNATIONAL PRESENCE**

TATA Power is expanding its services to international borders and is doing significant work in the African and Asian including Indian sub-continent markets.

TATA Power has been able to provide synergistic value to utilities undergoing reforms process in their countries and those who want to upgrade themselves to become smarter utility of the future by implementing the information and operational technologies.

#### BANGLADESH

- System Reliability Assessment and develop benchmark practices for Data Acquisition and Distribution Network Protection
- Analysis of T&D Losses and Establishing Loss Targets Program (TAPP)
- West Zone Underground Power Distribution Expansion Plan

#### MOZAMBIOUE

 Preparation of Least Cost Geospatial Universal Electrification Plan

#### KINGDOM OF ESWATINI

• Operational Efficiency study

#### **UGANDA**

 Study on Commercial and Distribution Operations

#### **AFGHANISTAN**

Planning and Capacity Support Project

#### **KURDISTAN**

 Advisory Services for System Improvement, Bid Management & Financing Plan

#### MAURITIUS

 Advisory services to examine the current organizational structure of the T&D

#### \_IBERIA

• Utility Training Consultant (UTC) for the Implementation of Training

#### **NIGERIA**

Provider

- KADUNA: Technical & Management Service provider
- JOS: Technical & Management Service Provider
- KANO: Technical & Management Service Provider
   BENIN: Transaction Advisory Services for
- acquisition of Benin Disco

  BENIN: Technical & Management Service
- EKO: Technical & Management Service
   Provider
- ABUJA: Corporate Restructuring of Generation and Distribution sub-sectors of the Power Holding Company of Nigeria (PHCN)

#### YEMEN

 Capacity building in assessment of losses, identification of their sources and evaluation and implementation of loss reduction measures.

#### **SOUTH ASIA**

 Advanced Metering Infrastructure (AMI) and Analytics Guidance Study

#### **SIERRA LEONE**

 Project Management and Operational Support for Advanced Metering Infrastructure (AMI) implementation.

#### **RWANDA**

• Development of Strategic National Electrification to improve Energy Access

#### ZANZIBAR

 Capacity Building program on best practices in Operation & Maintenance.



# MOVING TOWARDS SMART AND SUSTAINABLE FUTURE WITH NEXT GEN POWER SOLUTIONS

In our endeavor to tackle climate change and develop a sustainable future, TATA Power is committed to introduce energy efficient and greener technologies for the greater benefit of community and its clients

#### **RENEWABLE GENERATION**

TATA Power is positioned at the top to deliver to the changing landscape of India's renewable energy focus

- Strong portfolio of solar generation capacity and wind plants.
- Manufacturing solar cells and modules by focusing on cutting-edge technology and world-class innovation
- TATA Power Solar provides custom solutions to power remote regions that might be cut off from regular electric grids. Installing microgrids in such areas ensures access to green power.





Reliably produces clean, affordable power



An inexhaustible energy source



Generate electricity at competitive prices



Contribute to reduction of CO<sub>2</sub> emissions



Utilize latest technology for implementation of wind energy



Provide suitable solutions to mitigate the impacts on ecosystems



#### **BATTERY ENERGY STORAGE INFRASTRUCTURE**

TATA Power has installed India's first grid-scale battery-based energy storage system, paving the way for wider adoption of grid-scale energy storage across the country

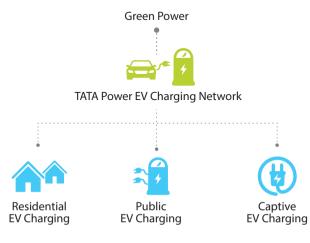
Grid Connected Battery Energy Storage System helps in achieving:

- Grid Stabilization
- Enhanced Reliability
- · Peak Load Management
- Increased System Flexibility
- · Protection of Critical Facilities

## **EV INFRASTRUCTURE**

TATA Power is making India EV ready by offering energy-efficient charging infrastructure

- Smart Charging with TATA Power Mobile Application
- Charging EV through Clean Energy Source Solar Power
- Grid Integration and demand optimization
- Supports different electric vehicles categories and manufacturers





## **HOME AUTOMATION SERVICES**

TATA Power is developing Home Automation Solution to help consumers minimize electricity consumption and increase energy efficiency of appliances used at home.

## Benefits of Home Automation













Remote On/Off Control



Overload Protection



Dimming & Speed Control



Schedule/Scene Based Operation



Authorization Based Access





## **OUR ESTABLISHMENTS**

Marking better future with best infrastructures

#### **SMART GRID LAB**

Delhi Operations of TATA Power is the frontrunner in implementing power distribution reforms in the capital city of India. The company continues to be acknowledged globally for deployment of cutting-edge technologies and its consumer-friendly practices.

The focus of these technologies is to provide improved connectivity, efficiency and effectively allowing reliability of a higher magnitude - that is both sustainable and scalable to our consumers.

#### **CENPEID & DOSEC**

Delhi operations of TATA Power has built a strong culture of learning, which focusses on competency building of its employees with its dedicated training Institute. This state-of-the-art Centre for Power Efficiency in Distribution (CENPEID) institute is accredited by Power Finance Corporation and Ministry of Power for conducting programs to augment the Power Distribution sector. It boasts of state-of-the-art training rooms, hostel facilities and two large auditoriums.



A second training center was established as Distribution Operations & Safety Excellence Center (DOSEC) at Delhi, which emphasizes safety and training as per CEA Regulations. This Institute is accredited by the Central Electricity Authority (CEA) / Ministry of Power, Government of India.

CENPEID as well as DOSEC, have imparted various training programs to its Internal and External customers, including those from various State Electricity Boards in India and utilities from abroad. Several power distribution utilities have approached our organisation to understand and learn about TATA Power–DDL's best practices and what makes the company stand out from the others in the power distribution.



#### TATA POWER SKILL DEVELOPMENT INSTITUTE (TPSDI)

The TATA Power Skill Development Institute (TPSDI) is an endeavour from the TATA Power Company to empower youth and others with employable skills, especially in the Power and allied sectors, and to address the skill gap challenge faced by the Indian Power Sector.

The Institute's unique training approach is designed for delivering skills with speed, scale and standards. The employability centric courses range from 2 to 12 weeks in duration and follow the TPSDI Competency Framework, which is congruous with the National Skill Quality Framework (NSQF). The TPSDI Competency Framework allows participants to swiftly pick-up readily deployable skills and continue upgrading their skills after convenient intervals over a period of time.

## **TESTIMONIALS**

'Words we cherish'

Mr Ramit Bharti Mittal
CEO. Bharti Airtel

TATA Power team left no stone unturned in their pursuit of customer satisfaction and speed to market with their execution while displaying as a team their exemplary and meticulous project management capability.

The adoption of intelligent power quality management solution by TATA Power-DDL is an important step towards integration of smart solution in power distribution."

#### **Ibrahim Baylan**

Minister of Policy Coordination and Energy, Government of Sweden

Mr Abhishek Lodha MD, Lodha Group We thank TATA Power for taking up the challenge of installing substation on 44th which is first time in India. The job was carried out with excellent coordination, utmost safety with zero incidences.

TATA Power-DDL's Smart Grid Lab will not only assist them in becoming a world class utility but will also provide learning opportunities to other Indian Discoms/ Utilities to address their growing power needs through a better understanding of grid modernization, demand side management and renewable energy integration technologies.

Ms Leocadia I

Zak Director, U.S. Trade of

Zak Director, U.S. Trade and Development, Agency (USTDA)

**Sheila Dikshit**Former CM. Delhi

I think 'TATA Power-DDL' has a lot of credibility. The Company has won the confidence of consumers, took steps to make them feel welcome and also gave the feeling that it was working for the larger public good, rather than merely for profits.