



**CORPORATE
PROFILE 2018**

Lighting up Lives!

OUR VISION

To be the most admired and responsible Integrated Power Company with international footprint, delivering sustainable value to all stakeholders

MISSION

- To earn affection of customers by delivering superior experience and value, thereby making them our ambassadors
- Driving competitiveness by operating our businesses at benchmark levels
- Executing projects safely with predictable benchmark quality, cost and time
- Growing profitably across the power value chain and allied areas, in focus geographies
- Being the lead adopter of technology with a spirit of pioneering and calculated risk taking
- Practicing 'Leadership with Care' by pursuing best practices on Care for our Environment, Community, Customers, Shareholders, People and creating a culture that will reinforce our values
- Enable employees and associates to achieve and unleash their full potential to deliver outcomes in a sustainable way

OUR VALUES

Our values are SACRED to us

Safety

Safety is a core value over which no business objective can have a higher priority

Agility

Speed, Responsiveness and being Proactive, achieved through **Collaboration** and Empowering Employees

Care

Care for Stakeholders - our Environment, Customers & Shareholders - both existing and potential, our Community and our People (our employees and partners)

Respect

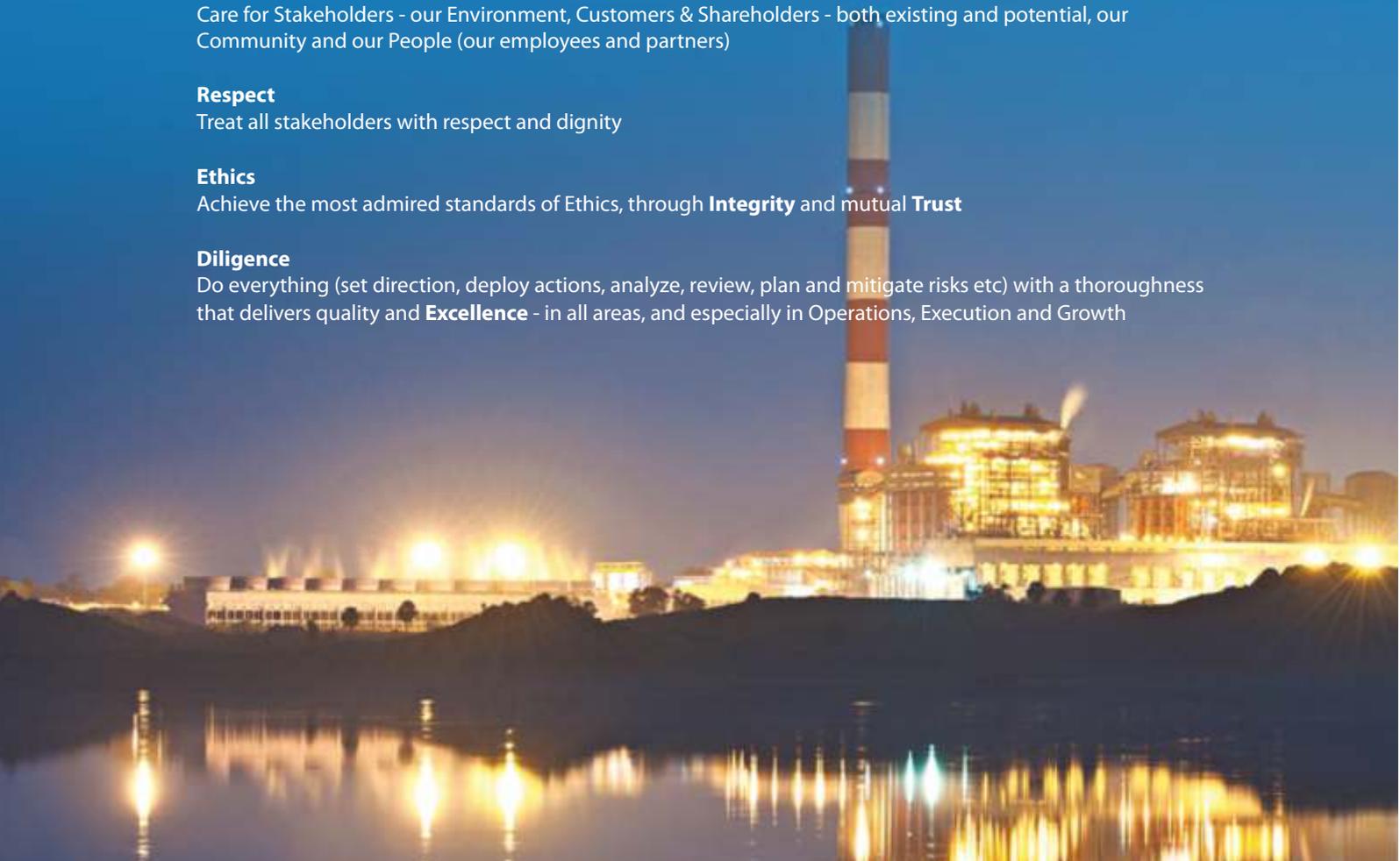
Treat all stakeholders with respect and dignity

Ethics

Achieve the most admired standards of Ethics, through **Integrity** and mutual **Trust**

Diligence

Do everything (set direction, deploy actions, analyze, review, plan and mitigate risks etc) with a thoroughness that delivers quality and **Excellence** - in all areas, and especially in Operations, Execution and Growth



Journey



Tata Power's journey over a century has been a fascinating saga of pioneering initiatives; responsible business practices that have a minimal impact on the environment; and initiating several socio-economic changes in our community.

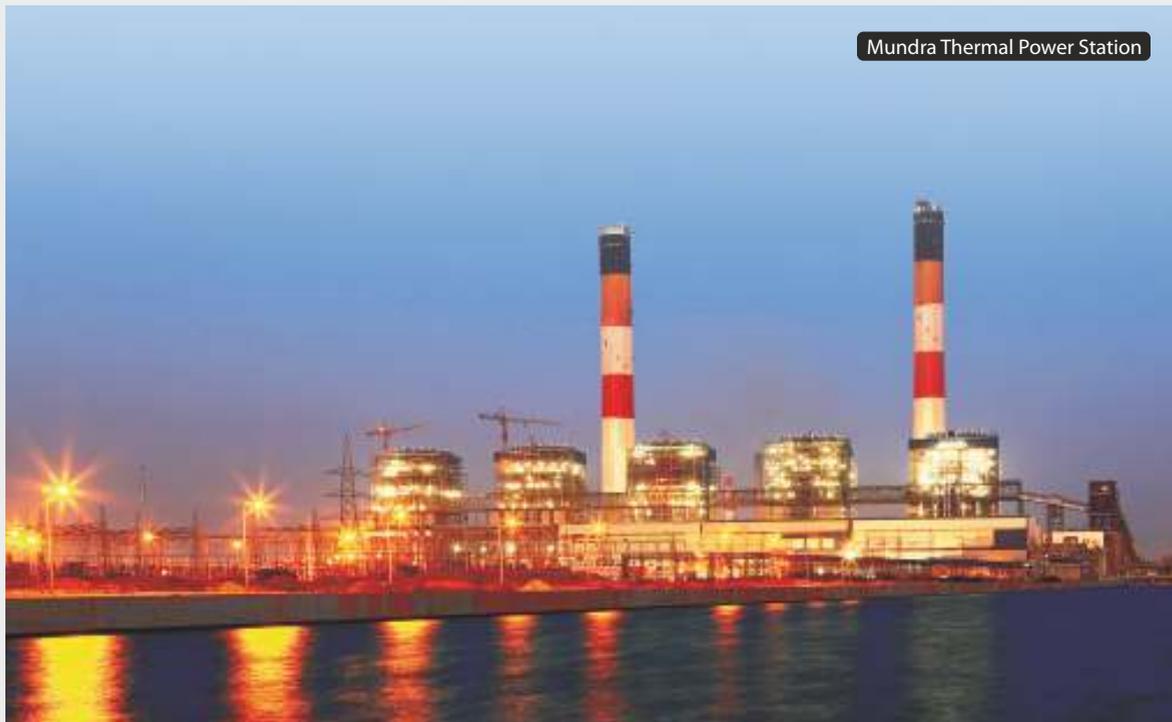
In its quest to deliver sustainable energy, the Company is spreading its footprint nationwide, setting new benchmarks for operational efficiencies, investing in global resources and redefining paradigms.

Its focus on building lasting and trusting relationships with its customers, partners and employees and the legacy of caring for its communities, remains the bedrock of its continued sustainability. The Company aims to energise consumer lifestyles by providing sustainable power. It hopes to inspire efficient use of

energy and endeavour to educate our customers, and the world, about the benefits of implementing energy conservation practices. It is committed to developing its business in a way that adds value to its local communities. Also, it aims to set higher benchmarks in terms of development standards, and in the implementation of cutting-edge eco-friendly technologies and processes of energy management.

As Tata Power strives to lead the reform process for sustainable power, it is also committed to safeguarding the environment for future generations. After all, it was way back in the 1900s, that, its Founder, Shri Jamshetji Tata, vowed to provide the country and its people with cheap, clean, and abundant power. Tata Power continues to make good on that promise and takes pride in lighting up lives!

India's Largest, Most Reliable and Efficient, Integrated Power Company with International Presence



Mundra Thermal Power Station

Overview

Tata Power is India's largest integrated power company with a significant international presence. The Company has an installed generation capacity of 10757 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 namely "Tata Power Delhi Distribution Limited" with Delhi Government for distribution in North Delhi, 'Powerlinks Transmission Ltd.' with Power Grid Corporation of India Ltd. for evacuation of Power from Tala hydro plant in Bhutan to Delhi and 'Maithon Power Ltd.' with Damodar Valley Corporation for a 1050 MW Mega Power Project at Jharkhand. It is one of the largest renewable energy players in India and has developed the country's first 4000 MW Ultra Mega Power Project at Mundra (Gujarat) based on super-critical technology. Tata Power has signed a Distribution Franchisee Agreement (DFA) with Ajmer Vidyut Vitran Nigam Limited (AVVNL) and formed a Special Purpose Vehicle (SPV) "TP Ajmer Distribution Limited" (TPADL), to cater to the power requirements of customers in Ajmer for a period of 20 years.



Presence across the entire power value chain



Its international presence includes strategic investments in Indonesia through 30% stake in the leading coal company PT Kaltim Prima Coal (KPC) in Singapore through Trust Energy Resources to securitise coal supply and the shipping of coal for its thermal power generation operations; in South Africa through a joint venture called 'Cenergi' to develop projects in South Africa, Botswana and Namibia; in Australia through investments in clean coal technologies and in Bhutan through a hydro project in partnership with The Royal Government of Bhutan. With its track record of technology leadership, project execution excellence, world class safety processes, customer care and driving green initiatives, Tata Power is poised for a multi-fold growth and committed to 'lighting up lives' for generations to come.

Our International Presence in Energy sector



Tata Power is looking to aggressively expand its global operations and has already made its foray into some key developing segments and markets. Here is a glimpse of its international portfolio:

Indonesia: Coal reserves and developing a geothermal project

Tata Power has 30% stake in Indonesia's leading coal company - PT Kaltim Prima Coal (KPC) and has entered into an off take agreement with KPC.

South Africa: Exploring growth opportunities

Cennergi, has been established as a Joint Venture (JV) between Tata Power and Exxaro Resources, a South Africa-based diversified resources company. Based in South Africa, Cennergi will focus on the investigation of electricity generation projects in South Africa, Botswana and Namibia. The initial project pipeline focuses on renewable energy projects in South Africa and Cennergi's strategy is to create a balanced portfolio of generation assets. Cennergi Pty. Ltd. The Company's JV in South Africa, Cennergi Limited, achieved commercial operations of 134.4 MW Amakhala Emoyeni Wind Farm. The commercial operations of 95.17 MWTsitsikamma was also achieved.

Singapore: Coal supply, shipping and trading

Tata Power incorporated Trust Energy Resources as a wholly owned subsidiary in Singapore. Trust Energy's

scope of business is to securitise coal supply and the shipping of coal for Tata Power's thermal power generation operations. Its areas of business include ship owning/chartering and operating; investment in coal mining assets/companies; and trading in coal.

Bhutan: Hydro presence

Tata Power has a JV with the Royal Government of Bhutan, under which it has commissioned the 126 MW Dagachhu Hydro Project with Druk Green Power Company. Both units of 63 MW each have been commissioned in March 2015 and the plant is fully operational.

400 MW Georgia Hydro Project

Tata Power, through its subsidiary Tata Power International Pte Ltd, has signed an agreement with Clean Energy Invest AS (Clean Energy) and IFC InfraVentures (IFC) for developing hydro projects in Georgia for sale of power primarily to Turkey. The hydro projects will be of an aggregate capacity of 576 MW and would be developed in three phases. In June 2013, the Company acquired 40% shares in Adjaristsqali Netherlands BV, which is implementing hydro projects in Georgia through its 100% subsidiary, Adjaristsqali Georgia LLC. The company has synchronised of 186 MW Shuakhevi Hydro Project in Georgia.



It has also completed feasibility study of 115 MW Koromkheti project, other development activities are in progress for the project including discussions on tariff with Government of Georgia.

Long Phu 2 Power Project, Vietnam

The Company has executed a Memorandum of Understanding (MoU) in November 2013 with the Ministry of Industry and Trade, Government of Vietnam, for developing the 1200 MW Long Phu 2 coal fired power project in Soc Trang Province of Vietnam on Build, Own and Transfer basis. The Company successfully submitted the Detailed Project Report as per the regulations in Vietnam in July 2014, in line with

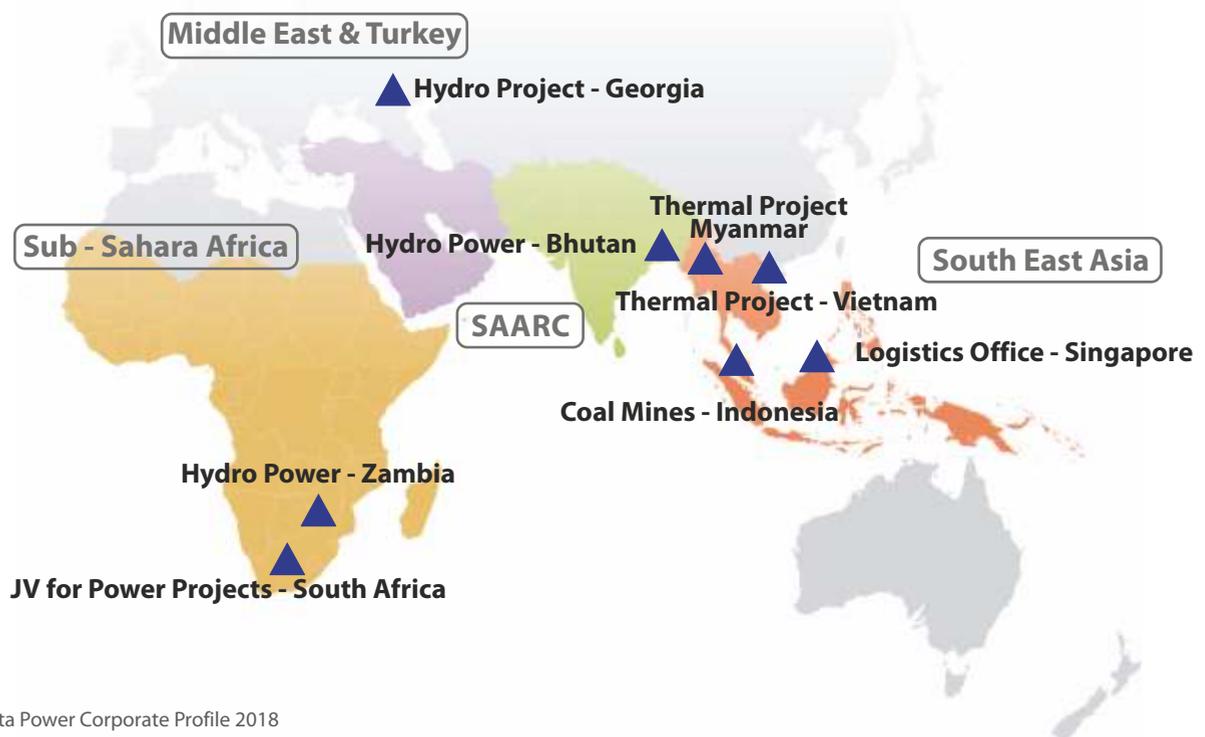
the timelines mentioned in the MoU. The Company has also successfully carried out a coal logistics study for the said project.

120 MW Itezhi Tezhi Hydro Power Project, Zambia

The Company has commissioned two units of 60 MW each of its 120 MW Itezhi Tezhi hydro Power Project in Zambia, in which Tata Power has a 50 percent stake.

The synchronisation of both the units was completed in January, 2016. It is currently owned by Tata Power and ZESCO, a Zambian power utility, on a 50:50 basis on a 25 year BOOT (Build-Own-Operate-Transfer) concession term.

Tata Power's multi-fold growth validates its bright future, brimming with possibilities and full of promise to power the future as a pioneer of technological innovations and green initiatives. The company's growing global footprint is complemented by considerable efforts to decrease its carbon footprint. As the company enhances its international presence for multi-fold growth, here is a glimpse of its reach.



Existing Generation Facilities



Tata Power has an installed generation capacity of 10757 MW in India. The thermal power generation capacity stands at 7340 MW, while generation through clean sources such as hydro, solar, and wind stand at 3417 MW. Tata Power commissioned a total of 4000 MW at a single location, Mundra, in FY15. Some of its major projects include thermal power stations at Trombay, Jojobera, Haldia, Jamshedpur, Maithon and Mundra, hydro stations in Khopoli, Bhira and Bhivpuri in Maharashtra, wind farms across five states of Maharashtra, Gujarat, Tamil Nadu, Karnataka and Rajasthan and solar power projects in Gujarat and Maharashtra.

Tata Power through its Joint Venture company Industrial

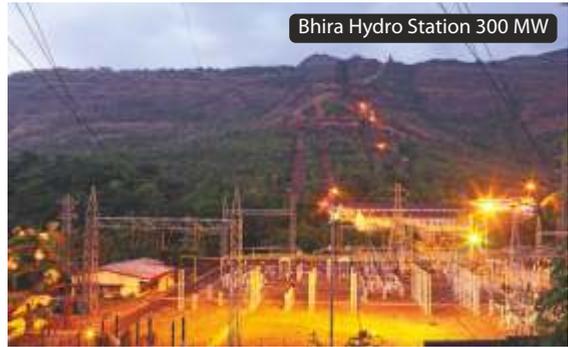
Energy Limited (IEL), has successfully commissioned 2 units of 67.5 MW each of the 202.5 MW IEL Kalinganagar - Orissa project.

126 MW Dagachhu Hydro Power Project in Bhutan was successfully commissioned in 2015. The clean power generated by this plant will be sold to India, thereby helping to reduce carbon emission.

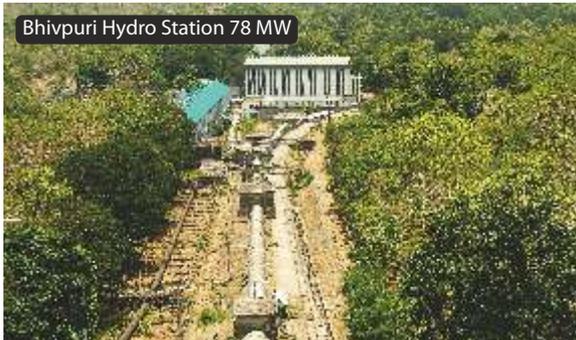
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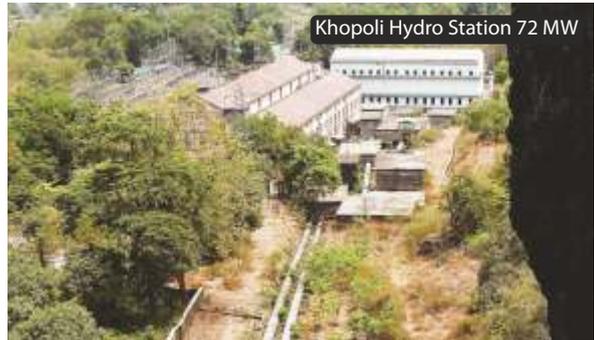
Wind Farms 1151 MW



Bhira Hydro Station 300 MW



Bhivpuri Hydro Station 78 MW



Khopoli Hydro Station 72 MW



Jamshedpur Thermal Plant 120 MW



Mulshi Solar Plant 3 MW



Palaswadi Solar Project 28.8 MW

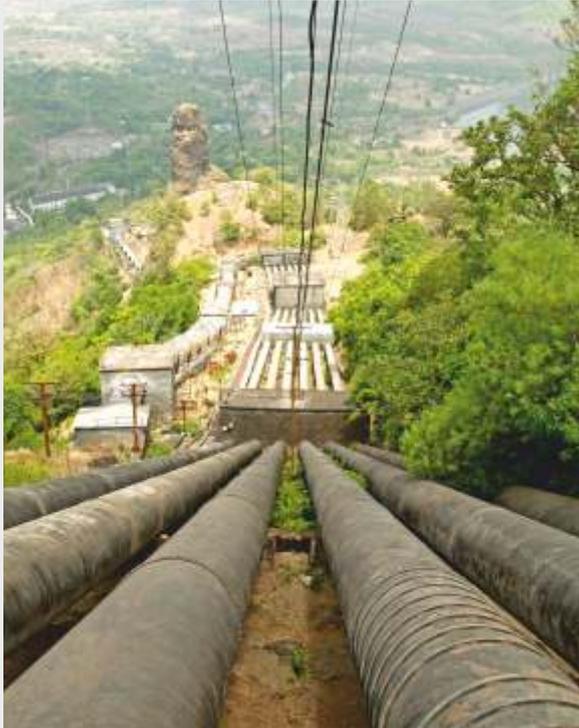


Mithapur Solar Plant 25 MW



Itejhi Tejhi Hydro Power Project, Zambia 120 MW

Leading Renewable player



Harnessing Hydro Power

The Company has an **installed hydro capacity of 693 MW**. Tata Power and Norway-based SN Power entered into an exclusive partnership to develop hydro power projects in India and Nepal. The consortium bagged the **"240 MW Dugar Hydro Electric Project"** in Chenab Valley in Himachal Pradesh, India. Tata Power has a JV with the Royal Government of Bhutan, under which it has commissioned the **126 MW Dagachhu Hydro Project** with Druk Green Power Company. Tata Power, through its subsidiary Tata Power International Pte Ltd, has signed an agreement with Clean Energy AS (Clean Energy) and IFC InfraVentures (IFC) for developing hydro projects of an aggregate capacity of 400 MW in Georgia. The company has synchronised of 186 MW Shuakhevi Hydro Project in Georgia. The Company is also looking at other opportunities to bid in the near future. The company has commissioned two units of 60 MW each of its 120 MW Itezhi Tezhi hydro Power Project in Zambia, in which Tata Power has a 50 percent stake.

Tata Power Renewable Energy Limited (TPREL), a 100% subsidiary of Tata Power, has completed acquisition of 100% shareholding in Welspun Renewables Energy Private Limited (WREPL) and its subsidiaries.



Harnessing Solar Energy

Tata Power has a strong portfolio of **1188 MW** of solar generation capacity. It commissioned its solar power project of **25 MW in Mithapur**, Gujarat in January 2012 and a **28.8 MW** solar power project in **Palaswadi**, Maharashtra in May 2014. It has also executed a **3 MW solar photo-voltaic plant at Mulshi**, one of the largest grid-connected solar projects in the State of Maharashtra. The Company had set up its first solar power plant of 110 kW, way back in 1996 at Walwhan in Lonavla. A **60.48 kWp solar power plant** has been installed on the rooftop of one of the Company's offices in Mumbai. The power generated by these solar panels is expected to take the lighting load of the entire building.

Harnessing Wind Energy

Tata Power has an **installed capacity of 1161 MW** and plants spread across five states of Maharashtra, Gujarat, Tamil Nadu, Karnataka and Rajasthan the leading states in promoting wind power generation in India.

Cennergi is a Joint Venture (JV) between Tata Power and



Exxaro Resources, a South Africa-based diversified resources company. Based in South Africa, Cennergi will focus on the investigation of electricity generation projects in South Africa, Botswana and Namibia. The initial project pipeline focuses on renewable energy projects in South Africa and Cennergi's strategy is to create a balanced portfolio of generation assets. The Company's JV in South Africa, Cennergi Limited, achieved commercial operations of 134.4 MW Amakhala Emoyeni Wind Farm and 95.17 MW Tsitsikamma.

Waste Gas Generation

Tata Power has set up various plants at Haldia and in Jamshedpur (Power 6) based on the blast furnace and coke oven gases which are waste gases from steel making process which help in reducing greenhouse gas emission significantly. It's looking at other similar projects with Tata Steel. Tata Power through its Joint Venture company Industrial Energy Limited (IEL), has successfully commissioned 2 units of 67.5 MW each of the 202.5 MW IEL, Kalinganagar - Orissa project. The company's installed generating capacity from waste gas generation stands at 375 MW.

Focus on Clean technologies

Tata Power is experimenting with span of unique pilot projects across energy sources:

- **Biomass gasification:** An 8 to 14 kW biomass producer gas based generation system has been developed with the help of Tata Motors and IISc. A pilot plant is being commissioned at Walwhan. The gasifier for the same has been designed in-house and is under fabrication.
- **Concentrated photovoltaic (C-PV):** A 13.5kW pilot unit was being developed in which sunrays are concentrated on PV cells and the assembly floats on Walwhan lake (Maharashtra) in order to cool the cells. The pilot project is currently under evaluation.
- **Solar powered telecom towers:** More than 600,000 telecom towers in India use diesel generator sets to provide power to their antennas. Tata BP Solar is providing solar PV panels that can replace the gensets on 25 such installations. This technology can be upgraded to augment power to local grids. Tata Power has successfully demonstrated similar generation solution, using thin film technology which overcomes the effect of shadows from the tower.

A satisfied Customer base

Servicing over 2 million Customers across the Country



Mumbai Distribution

Tata Power has a customer base of over 6 lakh direct customers in Mumbai and on an average about 6,500 million units (MU) are sold in a year. Some of its bulk customers include BEST, Port Trust, BARC, Refineries and other important installations in Mumbai. As in all parts of the business, improvement in operational efficiency is a key focus area. Tata Power has taken number of initiatives to improve the quality and reliability of its power supply and enhance customer service.

Customer Care Initiatives

The Company has launched various Customer Care initiatives after going retail. These initiatives include opening up of exclusive Customer Care Centres and bill payment centers for cash and cheque collection at various centres. Various new collection centers have been opened up across Mumbai for collection of new connection application forms. 'Fleet on Street' team has been visiting various societies to collect the application forms from customers. Customer Connect - a customized software for speedy processing of application has been commissioned. Several new bill payment kiosks and electronic drop boxes have been introduced to facilitate easy payments for the customers which have instant payment acknowledgement facility.

The Company has also developed the customer information portal for its customers offering various online facilities such as bill payment, Billing information, Payment History and online form filling for new Power Supply connection. This portal is multilingual and Tata Power is the first power company to provide three language options and also an interactive energy calculator for saving energy to the customers. The company has also launched a universal Mobile Application for all its stakeholders along with employees and consumers of Mumbai & Delhi. The Tata Power Mobile App is specially designed to be an exclusive platform to help customers and other stakeholders to connect and directly engage with the company. The mobile app includes key features such as Account overview; Bill Payment at fingertips; Meter Reading details; Monthly Consumption trend; Bills and Payment history of previous 12 months, Notifications alerts; Zone-wise Outage/Shutdown information; Registration for e-bill and e-services etc. Tata Power becomes the first Power Utility in Mumbai to introduce Printing of Dynamic Bharat QR code on its bill for payments and introduced WhatsApp service for customers.



Ensuring Uninterrupted Power Supply

At the core of reliable power supply to the city is the unique 'Islanding System' pioneered by Tata Power, due to which the city of Mumbai has the advantage of assured uninterrupted reliable supply of power. In case of a grid failure, the Islanding System ensures uninterrupted power supply within the city limits. In case of a breakdown in the Western Regional Power Grid, Tata Power's system is automatically isolated from the rest of the grid. It ensures that our generating units continue to function. All essential services like railways, hospitals, water supply systems are assured continuity of power supply.

Delhi Distribution

The Company's partnership for distribution with the State Government of Delhi for its North Delhi customers, Tata Power Delhi Distribution Limited (previously known as North Delhi Power Limited), is the only success story of privatisation in India. This company serves over 1.6 million customers (from a population of 4.5 million) spread over in an area of 510 sq. kms and has a peak load of 1852 MW. Since its formation in 2002, the company has launched a series of technological improvements for upgrading reliability and other customer services. Measures like energy audits, replacement of old meters with theft-proof electronic meters, automated meter reading, aggressive enforcement and public awareness drives have reduced the current ATC loss percentage to well below the target loss

level percentage that has been committed to the regulatory authorities. TPDDL is automating its grids, mapping the network (for quicker fault location and isolation) and automating the outage management system on the Geographical Information System (GIS) platform.

In the retail power distribution business, innovative customer service measures are critical to success. In a measure adopted for the first time in India by a distribution company, TPDDL ensures that its representative visits a new customer's premises and completes all formalities required for providing a new connection, without the customer having to visit TPDDL's office. Tata Power is now poised to participate in power distribution opportunities in other Indian states and abroad.

Tata Power has signed a Distribution Franchise Agreement (DFA) with Ajmer Vidyut Vitran Nigam Limited (AVVNL) to cater to the power requirements of customers in Ajmer for a period of 20 years. To serve the purpose, Tata Power has formed a Special Purpose Vehicle (SPV) "TP Ajmer Distribution Limited" (TPADL), which will be responsible for operating and maintaining the distribution network in Ajmer City, which includes City Division-I and City Division-II areas. It will also be responsible for managing the billing and collections in the said areas.

On a Multi-Fold Growth path



By 2025, the Company plans to have:

- Sustainable Profitable Growth: ROCE * \geq WACC**
- 30-40% share of generation capacity to be non-fossil (Including hydro),
- Transmission, Distribution and DDG catering to 5 GW capacity and 2.5 million consumers
- Securitization of long term fuel requirements (Coal and Gas)
- 10 X growth in Revenue and PBT - O&M/PM Services, Trading, Open Access, Rooftop Solar, Solar EPC, Defence

*ROCE - Return on Capital employed

**WACC - Weighted Average cost of capital

The Company is on a multi-fold growth path. Here's a quick look at the projects that are under implementation:

Projects under Execution

INDIA

Tata Power Renewable Energy Limited (TPREL): TPREL is a wholly owned subsidiary of Tata Power. TPREL is Tata Power's primary investment vehicle for clean and renewable energy based power generation capacity. TPREL also has a

further 121 MW of wind capacity under development and construction in the states of Gujarat, Andhra Pradesh, Madhya Pradesh and Karnataka. TPREL is seeking to grow its renewable portfolio in India and in select international markets through organic and inorganic opportunities. With **Welspun Renewables Energy Private Limited (WREPL)** acquisition, TPREL become one of the largest Renewable Energy companies in India.

INTERNATIONAL

Cennergi, South Africa: The Company's JV in South Africa, Cennergi Limited, achieved commercial operations of 134.4 MW Amakhala Emoyeni Wind Farm and 95.17 MW Tsitsikamma Wind Farm.

Adjaristsqali Hydro Project, Georgia: The company has synchronised of 186 MW Shuakhevi Hydro Project in Georgia. The Company also completed feasibility study of 115 MW Koromkheti project, other development activities are in progress for the project including discussions on tariff with Government of Georgia.



Potential Future Growth Areas

INDIA

1600 MW Coastal Maharashtra, Dehrand: During the year, the Company has successfully completed acquisition and possession of private land for the project. All statutory approvals required to start the project are in place. Clearance by Government of Maharashtra for transfer of Government land to Maharashtra Industrial Development Corporation for Tata Power is in final stages.

380 MW Dugar Hydroelectric JV Project: The site investigations and development of the Detailed Project Report are under progress through its SPV, Dugar Hydro Power Ltd.

1980 MW Tirulidih Power Project: The Company has acquired around 40% of the required land. Water allocation for the project has been obtained. Environment Clearance (EC) is being discussed at level of

EAC (Expert Appraisal Committee) in MoEF. Post deallocation of Tubed coal block, further action on EC is contingent on obtaining a firm coal linkage for the project.

Odisha Projects: Naraj Marthapur was originally envisaged as an end use plant for Mandakini coal block. Due to the proximity to the wild life sanctuary, the Company is exploring all options including an alternate site for location of the thermal power project and associated coal linkage.

Tata Power Renewable Energy Limited: The Company enhanced its focus on renewables by adding 1,140 MW through the acquisition of Welspun Renewable Energy Pvt. Ltd. by Tata Power Renewable Energy Ltd. (TPREL), a wholly owned subsidiary.

World class Safety Practices



The creative and collaborative work environment at Tata Power has been instrumental in creating an invaluable workforce geared up for multi-fold growth.

Health & Safety

When it comes to achieving world class health and safety performance, there's no room for compromise at Tata Power. And it's not about statistics; it's about keeping people safe. The safety and health of our people is the principal consideration in the framing of our policies and all our business activities. The Company invests a large amount of resources to reduce workplace accidents and ensure a safe working environment. By adhering to world class standards, promoting product and operational safety, and encouraging the active participation of every employee, Tata Power has created a healthy work environment that complements its superior business performance. Striving for Zero Accidents and Injuries. The Company has created programmes

to promote worker and contractor safety on the road, in the laboratory and wherever we operate.

Protecting Against Illness and Diseases

Tata Power is working on various awareness campaigns to help employees reduce illnesses and diseases in general. It has focused on education, prevention, treatment and protecting the rights of HIV-positive employees and partners.

A healthy work environment that complements our superior business performance.



Fostering People and Talent



At Tata Power, the indomitable spirit of power creates an intensely united force. The passion for excellence constantly drives our team and this is what enables us to achieve efficiency in our power generation operations.

The working environment inspires excellence, employees are encouraged to innovate and this freedom inspires the paradigm-changing ideas that our Company is well-known for.

In its endeavour to create a clean environment, the Company provides opportunities that impact self-reliance with productive partnerships. It leverages its rich operational experience of the finest power technology to industriously harness an individual towards a powerful 'greener tomorrow'.

With its vision cast high and focus on people, the Company offers a truly global exposure in Generation, Transmission Distribution, Power

Trading and Projects (Gas, Coal, Wind and Hydro based power generation projects) making it a fully integrated player in the power sector.

We pride our employee success on the following principles:

Living by our core values: This shapes the culture and defines the character of our company.

Investing in training and development: We hire the best people and help them become even better.

Providing a supportive work environment: With access to a vast array of resources, Tata Power helps every employee build his career.

Lending a hand to our community: This is an important way to build positive relationships with all our stakeholders and create powerful lasting change.

Powering a Greener World



As India's largest integrated power company, we at Tata Power are conscious of our role as sustainability stewards and embrace the challenges of climate change. We strive to lead the path towards growth with responsibility.

Our commitment to this sustainable future has been categorical and consistent. Our sustainability initiatives comprise investments in clean coal technologies; several well-planned projects that generate power from wind, solar, and geothermal energies that are renewable sources; an unflinching commitment towards biodiversity conservation; streamlining water use; and planting thousands of trees in the vicinity of our power plants to reduce our carbon footprint. We are continuously working towards innovating and implementing eco-friendly technologies, and undertaking various projects under the Clean Development Mechanism, including wind power projects and various small-scale energy efficiency projects.

Environment

Over the next five years, Tata Power plans to increase its generation capacity exponentially.

Tata Power has executed a number of measures in order to reduce emissions. Tata Power's power plant emissions are well within the norms laid down by the National Ambient Air Quality Standards (NAAQS).

Sourcing clean coal is another significant way of reducing emissions and increasing efficiency. Tata Power has been consciously exploring clean coal sources, including imports, for its thermal power plants.

Committed to complying with all regulations pertaining to the preservation and enrichment of the environment, Tata Power uses world-class innovative and environment-friendly technologies.

The Company is committed to the cause of ensuring a greener and sustainable planet. In line with this it has launched two new properties under the aegis of Greenolution in 2015.

'Act for Mahseer', is a sustainable programme focused at conservation of the Mahseer, an endangered species of fish. It is a call to action public campaign aimed at spreading awareness about the mighty Mahseer to help preserve this valuable fish species in a big way at national level.

'Be Green' is an initiative to unify consumers in the green movement. The initiative will also motivate them to associate with and contribute to green living in a more integrated fashion. It is promoting energy efficient devices which will help consumers save power. The Company has promoted





Imparting Education



Solar Lighting



Health Camps



Vocational Training

special charging stations for laptops, tablets, mobile phones through manual exercising, at places of congregation, to encourage healthy, pollution-free living. An array of other initiatives have also been undertaken.

initiative are taken to Tata Power's Mahseer Hatchery in Lonavala to sensitise children on mahseer conservation.



Energy Conservation Initiative involving school children across India.

In 2017, Club Enerji won **Bronze award Club Enerji Disaster Management** module under the category Multimedia CD-Rom Based Presentation at ABCI awards, Mumbai. In the year 2014, Tata Power Club Enerji has been declared as a 'promising practice' in Tata Group Companies in TATA Deep Dive Collaborative Benchmarking (DDCB) Study on "Advertising, Branding & Corporate Communication (ABCC)" by TQMS. Club Enerji's Resource Conservation module won in the Digital Communication Category at the Association of Business Communicators of India (ABCI) Awards in 2014. Club Enerji had been shortlisted as BEST PRAX for presentation at International forum in Auckland in December 2012. It has also been bestowed with the Eco Advocate Award by Asia Pacific Enterprise Leadership Awards (APELA) at Singapore. It was recognized at the "2012 International Business Awards" with Gold Stevie Award for being the best Marketing Campaign of the Year 2012 - Energy category. It has also been awarded Gold at the ABCI awards in the category Best Communication material and Bronze for its Resource Conservation Module.

The Company also embarks on several initiatives to spread awareness about saving power, conserving energy and combating climate change issues. One such initiative is the Tata Power Club Enerji (previously known as Tata Power Energy Club) that educates the masses about how to use energy efficiently and curb energy wastage, along with conserving resources and civic & moral values. The Club reaches out to school children through various interactive mediums and sensitizes them on the need to conserve energy, resources and civic & moral values. The Club started in 2007 with 12 schools in Mumbai and has today become a nationwide movement reaching about 500 schools and covering ten cities - Mumbai, Pune, Bengaluru, Kolkata, Delhi, Ahmedabad, Jamshedpur, Lonavla and Belgaum. Over the last several years, it has reached out to number of schools in India and has sensitised over 15.81 million citizens who in turn have helped save more than 21 million units of electricity till date. This saving is equivalent to saving 17,000 tonnes of CO₂. Club Enerji program is now 10 years old.

Community Relations

The Company is committed to being sensitive about resource conservation, environment protection and enrichment, and the development of local communities. The Company has continued its focus on Corporate Social Responsibility activities to make a difference to the communities in its area of operations. Over the last thirty years, we have continued to participate in an eco-restoration and eco-development programme in the Western Ghats, which is one of the most sensitive ecosystems in the world. Through this period, over seven million saplings of 60 tree species have been planted. Even today, over 600,000 trees are being planted regularly as a re-forestation measure.

In FY15, Tata Power Club Enerji has launched an online module of the Club Enerji programme. The module is hosted on the Club Enerji website. The objective of this initiative is to reach out to a larger audience and impact a larger group of IT skilled children with a vision to transform by adopting a holistic and robust approach towards conservation. The module aims to not only urge the wider audience to conserve energy, resources, and their civic and moral values, but also give them a detailed understanding of the ways in which depletion of resources is occurring, and its various repercussions. In addition to school level activities, Tata Power Club Enerji has also been conducting the activities field visits in the form of Mahseer hatchery visits and nature trails. Tata Power Club Enerji students under the 'Act for Mahseer'

A number of training programmes are carried out for developing self-employment opportunities among the rural population. The Company also carries out regular medical check-ups, provides medicines at its health centres, and carries out a number of health awareness programmes such as eye checkups and blood donation camps at several locations. A Suraksha Rally programme was also organised to promote awareness of HIV/AIDS among students and communities. Community development teams at our new project locations have started interactions with the local community to understand their needs. The positive relationship that has developed has led to a focus on the needs of better infrastructure.

Employment issues have been addressed by hiring locals, allotting shops/cabins/canteens to locals and compiling a database for potential employment through contractors.

Taking strides in Businesses of Interest



Tata Power Delhi Distribution Limited (TPDDL)

Tata Power Delhi Distribution Limited (TPDDL) is a joint venture between Tata Power and the Government of NCT of Delhi with the majority stake being held by Tata Power (51%). TPDDL distributes electricity in North & North West parts of Delhi. The company started operations on July 1, 2002 post the unbundling of the erstwhile Delhi Vidyut Board (DVB). With a registered consumer base of 1.6 million and a peak load of around 1764 MW, the company's operations span across an area of 510 sq kms.

Tata Power Trading Company Limited (TPTCL)

TPTCL is a wholly owned subsidiary of The Tata Power Company Limited. Tata Power Trading has been at the forefront in shaping India's vibrant power trading market. With access to Technical, Managerial and Financial resources of its parent company, it is uniquely equipped to provide an unmatched range of services, customer care and complete payment security for its customers at the most competitive rates. As an extremely well knit organization, it has domain expertise in all the segments of Power Trading whether it be Marketing, Commercial or Operations, supported ably by the Finance, Legal and Administrative functions.

Electric Vehicle Charging Station

Tata Power has been a forerunner in technology adoption and innovation while also setting industry benchmarks in operational and sustainability aspects. Being true to the

pioneering spirit of the parent group, Tata Power has established the first Electric Vehicle charging station at Vikhroli in Mumbai. Being the first to propagate the change towards sustainable energy, TATA Power aims to supplement the government's plan to replace fossil fuel vehicles with electric vehicles by 2030, by installing charging stations at strategic locations. Tata Power's charging station in Vikhroli being a centrally located with several offices and hospitals nearby was selected as the location for the pilot. It also houses a fast charger which can fully charge an average Electric Car's battery in as low as 90 minutes. Since, the inauguration of the first station two more have been started for public usage at Palladium mall in the Lower Parel area and Phoenix Market City in the Kurla area of the city. With the installation of these Electric Vehicle chargers, the company is working towards removing the range anxiety from people's minds and encouraging them to shift from fossil fuel vehicles to electric vehicles.

Tata Power Solar

Tata Power Solar, with 27 years of expertise, is India's largest integrated solar company and a 100% subsidiary of Tata Power. It offers a gamut of solar solutions ranging from cells and modules, to rooftop and ground mount EPC services for utility, commercial, industrial and residential segments. Tata Power Solar has an array of products like rooftop systems and water pumps for urban and rural markets. With 320 MW of utility scale and 117 MW of rooftop projects commissioned, Tata Power Solar is India's leading EPC player.

Key Milestones

1915: First hydro electric power generating station commissioned at Khopoli with an installed capacity of 40 MW, which was subsequently upgraded to 72 MW.

1922: Commissioned another hydro power station at Bhivpuri with an installed capacity of 40 MW, subsequently upgraded to 72 MW.

1927: Third Hydro power station of 90 MW capacity comes up at Bhira, which was subsequently upgraded to 150 MW.

1956: To meet the increasing demand of electricity, a major thermal power station of 62.5 MW capacity is commissioned at Trombay.

1957 and 1960: Two more thermal units of similar capacity i.e. 62.5 MW, commissioned at Trombay.

1965: Fourth thermal unit of 150 MW capacity comes on line at Trombay.

1984: India's first 500 MW generating unit with multi-fuel burning capability is commissioned at Trombay.

1990: Second 500 MW thermal unit comes up at Trombay.

1994: A gas-based 180 MW capacity combined cycle plant is commissioned to provide quick-start capacity to Trombay Thermal Station and to ensure reliable and uninterrupted supply for essential services in Mumbai.

1996: The 150 MW Pumped Storage Unit at Bhira was commissioned. 67.5 MW Thermal Power Plant at Jojobera (Jharkhand) comes into existence.

2000: The Tata Hydro-Electric Co. Ltd., The Andhra Valley Power Supply Co. Ltd., and the Tata Power Co. Ltd., are amalgamated to become one entity - The Tata Power Company Limited. 120 MW Jojobera Unit#2 is commissioned.

2001: 81.3 MW Diesel Generator based plant set up at Belgaum, Karnataka.

2003: Tata Power enters into a joint venture with Power Grid Corporation of India Ltd., to develop a 1200 Km long transmission line to bring electricity from Bhutan to Delhi.

2004: Tata Power floats a wholly owned subsidiary for the power trading business, known as Tata Power Trading Co. Ltd.

2005: Unit # 4 of 120 MW capacity at Jojobera is commissioned.

2006 & 2007: Tata Power completes the acquisition of 30% equity in Indonesian Coal Mines, PT Kaltim Prima Coal (KPC), and PT Arutmin Indonesia, as well as trading companies from PT Bumi Resources. Ministry of Coal has allotted Mandakini Coal Block in Orissa jointly to Tata Power, Jindal Photo and Monnet Ispat; and Tubed Coal Block in Jharkhand with Hindalco. The 50.4 MW Khandke Wind Farm Project is completed in 3rd quarter of FY08.

2008: Unit 1 of 2 x 45 MW Phase of Haldia Project is synchronised with the grid. The 250 MW (Unit # 8) expansion project at Trombay is commissioned.

2009: The 120 MW Power House # 6 at Tata Steel Works, Jamshedpur is commissioned on 27th August 2009.

2010: The 120 MW Unit # 5 at Jojobera is commissioned.

2011: 3 MW Mulshi Solar Plant is commissioned in Maharashtra.

2011: Unit 1 of the 1050 MW Maithon Joint Venture Project with Damodar Valley Corporation commissioned and stabilized.

2012: 25 MW Mithapur (Gujarat) solar plant is commissioned.

2012: 1050 MW Maithon Power Project is commissioned.

2012: Acquires 26% stake in large mines at PT Baramulti Suksessarana Tbk ("BSSR"), Indonesia.

2013: Tata Power has implemented the first 4000 MW Ultra Mega Power Project of India at Mundra, Gujarat, based on super critical technology. All 5 Units (Units 1,2,3,4 and 5) have been commissioned.

2014: Tata Power exits from Indonesian coal mine PT Arutmin Indonesia.

2014: Acquires 39.2 MW Wind farm near Dwarka, Jamnagar in Gujarat.

2014: Commissioned 28.8 MW Solar Power Project at Palaswadi in Maharashtra.

2014: Completes Commissioning of 32 MW Wind farm project in Maharashtra.

2015: Tata Power's Joint-Venture Maithon Power Limited (MPL) Commences flow of energy to Kerala on a Long Term Agreement basis.

2016: Tata Power's Joint-Venture commissions 120 MW Itezhi Tezhi hydro Power Project in Zambia.

Tata Power innovates with Toshiba and Cargill, to design and develop India's first Pad mount Substation.

Tata Power completes 100 years of operation.

Cennergi announces the commencement of Commercial Operations for its 95 MW Tsitsikamma Community Wind farm (TCWF) Wind Farm Project.

Tata Power arm signs Share Purchase Agreement (SPA) to acquire Welspun Renewables Energy Private Limited.

2017: Tata Power Renewable Energy commissions 100 MW wind farm in Andhra Pradesh.

Tata Power executes Distribution Franchisee Agreement (DFA) for electricity distribution in Ajmer City.

2018: Tata Power makes Mumbai Electric Vehicle Ready; sets up strategic additional EV Charging stations.

Tata Power Renewable Energy Ltd. commissions 50 MW solar plant in Karnataka.

The Company has charted out aggressive growth plans for multi-fold growth in the next five years.

The Tata Power stepped into it's 100 years of operations on February 9, 2015.

Our Pioneering Initiatives



- Tata Power becomes the first Power Utility in Mumbai to introduce Printing of Dynamic Bharat QR code on its bill for payments
- Tata Power makes Mumbai Electric Vehicle Ready; sets up strategic additional EV Charging stations
- Tata Power synchronises 67.5 MW Unit 2 of its 202.5 MW IEL Kalinganagar-Orissa project Crosses the 9,100 MW mark in generation capacity
- Tata Power innovates with Toshiba and Cargill, to design and develop India's first Pad mount Substation
- Tata Power's Joint-Venture commissions 120 MW Itezhi Tezhi Hydro Power Project in Zambia
- Commissioned first 126 MW cross border Hydro Power Project at Dagachhu in Bhutan
- Commissioned India's first 4000 MW Ultra Mega Power Project in Mundra based on super-critical technology
- Commissioning the first 500 MW Thermal Unit in India
- Commissioning the first 150 MW Thermal Unit in the country
- Touch-screen based Distributed Digital Control and Energy Management Systems
- Computerised Grid Control and Energy Management Systems
- 220 KV Transmission Lines on Four-Circuit Towers
- 220 KV Underground Cable Transmission Network
- Flue Gas Desulpharisation plant using sea water
- Operators Training Simulators for 150 MW, 500 MW
- Thermal Power Plants and Switchyard Operations
- Fly-ash Aggregate plant of 200,000 tonne per year to convert fly-ash into useful building material
- 150 MW Reversible Hydro Pumped Storage Unit

“Clean, cheap & abundant power is one of the basic ingredients for the economic progress of a city, state or country”

- Jamshetji Tata





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