COLOURS OF INVISIBLE GOODNESS

Sometimes all we need is a splash of goodness in our lives. More so, when life is stripped off of confidence due to hardships, poverty, illiteracy, and harsh natural calamities. The wings of tiny colourful butterflies have the power to cause tides, storms and even change the world! Taking inspiration, Tata Power endeavours to bring that colourful splash of goodness in the lives it touches through its promise of uplifting the communities living around it.
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MESSAGE FROM
CEO & MD, TATA POWER

Dear Stakeholders,

At the outset, I am happy to share the Tata Power Group CSR Annual Report 2015-16. This is a maiden step to put together the social initiatives undertaken by all the Companies under Tata Power Group for sharing integrated community engagement efforts with stakeholders.

Reinforcing its commitment towards sustainability, Tata Power will continue to strive to carry its CSR legacy towards ‘Sustained Inclusiveness’ and being a ‘neighbour of choice’. The Tata Power Community Development Trust which has been the development vehicle of Tata Power CSR Initiatives has worked closely with local communities and civil society, academia and local government bodies which exceeds more than 50 partners of choice and has been a great strength in terms of convergence of competencies and resource mobilization as a key strategy for long term sustainable programs.

In the year 2015, Tata Power was ranked 2nd in CSR by Economic Times and IIM Udaipur Survey for CSR Initiatives 2014. Model Village programmes focused on water management at Kadachimate (Maharashtra), Solar Micro Grid connectivity at Maval and Mulshi (Maharashtra), promoting education and livelihood at Delhi & Kalinganagar (Odisha) in addition to improving agricultural productivity and women empowerment at Jamshedpur (Jharkhand), Haldia (West Bengal) & Maithon (Maharashtra). The Club Enerji Program aimed at conservation of resources & moral and civic values nationwide has touched new heights with more than 230 schools covered this year and still going stronger.

Under Affirmative Action, Tata Power has committed to reach out to 25% SC/ST population across all locations to empower remote communities. Livelihood, girl child education, entrepreneurship development through fly ash brick making and vocational courses were upscaled during the year. This year also marked the commencement of four state-of-the-art Tata Power Skill Development Institutes in Gujarat, Maharashtra and Jharkhand wherein more than 17000 work days were generated through 16 different vocational courses.

Tata Power Employee Volunteering Mission (ARPAN) saw a surge in volunteering hours generated by employees in various community engagement initiatives including Mass Plantation drives across plant locations. Going beyond neighbourhood, Tata Power extended support towards Tamil Nadu Flood Relief and disaster relief work at Nepal and Georgia.

I look forward to the continued commitment, feedback and support from all key stakeholders, partners, collaborators and associates in this journey towards excellence for enhancing quality of life of communities and earning our right to co-exist with them in harmony.

Anil Sardana
MESSAGE FROM
CHAIRMAN - CSR COMMITTEE,
TATA POWER

Dear Stakeholders,

CSR is an integral part of Tata business philosophy and Tata Power has always remained aligned to it. The strategic view of working on long term sustainable programs in the key thrust areas outlined in the CSR Policy has been the guiding principle of CSR at Tata Power. The strategic alignment combined with robust community engagement processes is the key strength of Tata Power Community Development Trust (TPCDT). TPCDT is the development vehicle established to reach out to the communities to help them become self-reliant through self-sustaining development programmes.

While planning and implementation are critical aspects, the major focus is on ensuring that all programs have well defined outcome measures, monitored at highest level with proper decision support mechanism. Based on this structured approach, this year saw various key programmes initiated by Tata Power. At the same time, the programmes saw improvement in the outcome measures particularly in education excellence, livelihood and social institution building.

Tata Power is working to create internally, a depository of CSR Good Practices which will facilitate replication and scale-up of the programmes across all locations. A Knowledge Management programme has been set up with the objective of learning, adapting and implementing in the locally appropriate context. This is done with a focused approach for meeting the commitments towards the half million community members spread across 250 villages across 8 states of Tata Power presence.

Tata Power is also working closely with the communities to help prioritize their needs. This exercise will further facilitate the organizational ability to improve on the value chain of programmes and its effectiveness.

Tata Power will consistently make efforts to do what can be measured and sustained. Affirmative Action, Model Village, Club Enerji and Tata Power Skill Development Institute are the key initiatives which are moving in the right direction and slated to contribute lasting socio-economic changes at local, regional and national levels. Employee Volunteering through ARPAN and Greenolution are helping employees to demonstrate their Tata values and sustain a culture of care for community.

The Annual Report FY’16 is an effort to reach out to the stakeholders with an objective of seeking feedback as Social Responsibility is a collective responsibility and Tata Power will continue to strive to work closely with its stakeholders and communities in its quest of nurturing responsible citizenship.

Deepak Satwalekar
About Tata Power

Tata Power is one of the companies of the diversified Tata Group conglomerate which is well recognized and rated as the world’s 34th most valuable brand (Brand Finance Global 500).

The major businesses of the Company are in Generation, Transmission, Distribution-cum-Retail, Power Trading, Power Services, Coal Mines and Logistics, Strategic Engineering for defence applications, Solar Photovoltaic (PV) manufacturing and associated project management services (Engineering, Procurement, Construction). Tata Power presently generates electricity from Thermal, Hydro, Wind and Solar, as well as from Waste Heat recovery. Along with generating, transmitting and distributing electricity, Tata Power is also delivering progress and possibility for millions of people and businesses.

Tata Power Group’s FY16 Revenue stood at Rs. 36,461 crore (including regulatory income / expense) up by 6% as compared to Rs. 34,367 crore (including regulatory income / expense) last year. The company aims to pursue a well charted growth strategy by demonstrating a high level of commitment towards cleaner sources of generation thus increasing the share of non-fossil fuel based generation output to 30-40% by 2025. 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 multifold growth and committed to ‘lighting up lives’ for generations to come.

This Report is about Tata Power’s commitment to more - broader social prosperity, deeper environmental responsibility, and greater empowerment for the diverse individuals who make Tata Power a leader. At Tata Power, success depends on knowing what matters to its stakeholders, and delivering it so they can do more. Sustainability Reporting is one of the media for reaching out to the stakeholders. The current report entitled “Colours of Invisible Goodness” throws light on the legacy of the Tata’s by which it has served the people thereby serving the country through reliable power supply.
**MISSION**

Tata Power aims at becoming the most admired and responsible power Company delivering sustainable value by:

- Operating assets at benchmark levels
- Executing projects safely, with predictable benchmark quality, cost and time
- Growing the Tata Power businesses, be it across the value chain or across geographies, and also in allied or new businesses
- Driving Organisational Transformation that will make the Company have the conviction and capabilities to deliver on the strategic intent
- Achieving the Company’s Sustainability intent of ‘Leadership with Care’, by having leading and best-in-class practices on Care for Environment, Community, Customers, Shareholders and People.

**VISION**

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

**VALUES**

The values today are ‘SACRED’ to the Company

- 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 our environment, care for our customers and shareholders - both existing and potential. Care for our community and care for 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, analyse, review, plan and mitigate risks, etc.) with a thoroughness that delivery, quality and excellence in all areas, and especially in operations, execution and growth.
More than a century ago, the visionary Founder, JAMSETJI N. TATA laid the foundation for good governance and made it an integral part of Tata’s business culture. Corporate governance is concerned with maintaining the balance between economic, environment and social goals. As a Tata company, corporate governance is the way business is being done, enshrined in every day’s activities and plays an important role in shaping the organisation’s culture. Corporate governance of the company is inspired by the Tata legacy of ‘Leadership with Trust’ at the core of which lie the Tata Values and Tata Code of Conduct (TCoC), which guides to operate with ethics and integrity.

The company is focused on enhancement of long-term value creation for all stakeholders without compromising on integrity, gender sensitivity, societal obligations, environment and regulatory compliances. The actions are governed by values and principles, which are reinforced at all levels of the organisation. These principles have been and will continue to be the company’s guiding force in the future too.
Sustainability Strategy

Tata Power’s sustainability strategy focuses on goals for reduction of carbon footprint, conservation of biodiversity and natural resources, clean and efficient technologies and stronger renewable portfolio. This includes low usage of ash, sulphur coal, for operations, to minimise adverse impacts on the environment and the public. Periodic interactions with communities and dedicated community need assessment surveys are conducted to help understand their concerns and requirements, and aid in developing mitigation plans.

The company’s vision has been parameterised, to help target select international geographies, as the power sector in India is progressively becoming more difficult with land, water, community activism and fuel issues leading problems in setting up power plants. The sustainability strategy for Tata Power is aimed at ensuring that Tata Power conducts its business in a manner that is **socially, environmentally, economically and culturally** sustainable, thereby not only benefitting the society within which it operates, but also creating, in the long term, a competitive advantage over other players.

The sustainability strategy is intended to help set aspirations and levels of commitment along the key elements of sustainability. It is deployed across the value chain of the organisation and covers all relevant geographies where Tata Power operates.

The key elements in the Tata Power context are:

- **Economic** well-being and prosperity of the organisation, its shareholders both today as well for the future
- **Environment** and ecological impact of the organisation’s activities and reduction and mitigation of the same
- **Social impact** of the organisation’s activities on its stakeholders (communities around the plant; people working in the plant, etc.)
- **Cultural** focus to help individuals connect to ethics and moral values. This is an important element to drive behaviour in an organisation and to help embrace sustainability across all dimensions.
Tata Power in this pursuit and commitment towards sustainability has chosen the overarching vision of delivering sustainable value to all stakeholders. The thought process adopted by Tata Power is captured in the Tata Power Sustainability Model, which has the over-arching objective of Leadership with Care. This dovetails well with the Tata Group philosophy of Improving the Quality of Life and Tata Power’s own by-line – Lighting up Lives!
Corporate Social Responsibility (CSR)

CSR is popularly known as Community Relations (CR) at Tata Power and social initiatives are undertaken by the CR Division of the Sustainability Department. The Community Relations policy delineates the basic structure for driving social initiatives, across various locations including operations and projects. The social initiatives have been nurtured and branded coherent with the community development activities covered under the following Thrust Areas:

VIDYA
Augmenting Primary Education System with a focus on Girl Child Education

AROGYA & SWATCH JAL
Building & Strengthening Healthcare Facilities, including Safe Drinking Water

AKSHAY
Nurturing Sustainability for Inclusive Growth

SAMRIDDHI & DAKSH
Enhancing Programmes on Livelihood and Employability

SANRACHNA
Building Social Capital & Infrastructure
Corporate Social Responsibility (CSR) Committee

The CSR Committee of the Board formed under the aegis of Section 135 and Schedule VII of the Companies Act, 2013 and the provisions of the CSR Rules, 2014 on 2% average net profits for immediately preceding 3 financial years on CSR. The CSR Committee comprises of 3 members, of the Board and chaired by an Independent Director. The roles and responsibilities of the CSR Committee are to formulate a CSR Policy and recommend to the Board. This committee also informs the Board regarding the activities to be undertaken by the Company as specified in Schedule VII to the Act, or as may be prescribed by the Rules thereto, as well as propose expenditure to be incurred on the activities referred and monitor mechanism.

Mr. Anil Sardana
CEO & MD
Tata Power

Mr. D. M. Satwalekar
Chairman
CSR Committee, Tata Power

Mr. Ashok S. Sethi
COO & ED
Tata Power
Corporate Social Responsibility (CSR) Policy

Tata Power is committed to ensuring the social wellbeing of the communities in the vicinity of its business operations through Corporate Social Responsibility initiatives (CSR) in alignment with Tata Group Focus Initiatives.

Tata Power shall engage with the community by undertaking the following principles and activities:

Consult pro-actively with the community and other key stakeholders for understanding needs and designing initiatives for the social well-being of the community.

Undertake activities as per 5 major thrust areas, which includes,

1. Augmenting Primary Education System with emphasis on girl child education (VIDYA)
2. Building and Strengthening Healthcare Facilities (AROGYA) including safe drinking water (SWATCH JAL)
3. Enhancing Programs on Livelihood (SAMRIDDHI) & Employability (DAKSH)
4. Building Social Capital and Infrastructure (SANRACHNA)
5. Nurturing Sustainability for Inclusive Growth (AKSHAY)

These thrust areas are mapped with the activities as suggested in the Schedule VII of the Companies Act I Facilitate assistance during natural disasters, as appropriate

• Build and strengthen community institutions and stakeholder engagement
• Collaborate with Civil Society, Industry Associations and Government institutions etc.
• Encourage its employees for volunteering (ARPAN)
• Undertake CSR initiatives with the aim that over time these become self-sustainable
• Engage with disadvantaged sections of the community as per Affirmative Action Policy
• The CSR Committee of the Board will Monitor, Review and Evaluate CSR activities and expenses on a periodic basis as per the calculation of 2% of net profit based on financial statement and report as per defined format
• Communicate the CSR activities to stakeholders as per the regulatory requirement.

Tata Power shall work as per the Company’s Community Relation Policy for Community Initiatives in and around the vicinity of its business presence for Corporate Social Responsibility.

Anil Sardana
CEO & Managing Director

Date: 16th July 2014
Outreach

Tata Power operates in eight states of the country (i.e. Maharashtra, Jharkhand, Odisha, West Bengal, Gujarat, Bihar, Karnataka and Tamil Nadu) covering more than 250 neighbouring villages/urban areas/habitations, and also in Delhi. The focus of the CSR efforts is in the immediate vicinity of its operations. The geographical focus (radius) for each project operating station is broadly in the 5-10 km range based on factors such as population density, level of development, etc. While CSR efforts in areas beyond its operations is feasible and will be undertaken in special situations (such as in the case of natural disasters, etc.), the priority is on maintaining a geographical focus in the vicinity of operations.

Tata Power also operates through its subsidiaries and joint ventures. The policies of the subsidiaries and joint ventures (where Tata Power has management control) are aligned to the Tata Power strategy and policy.

JVs & Subsidiaries

- Af-Taab Investment Co. Ltd.
- Chemical Terminal Trombay Ltd. (CTTL)
- Coastal Gujarat Power Ltd. (CGPL)
- Industrial Energy Ltd. (IEL)
- Maithon Power Ltd. (MPL)
- Powerlinks Transmission Ltd.
- Tata Power Renewable Energy Ltd (TPREL)
- Tata Power Delhi Distribution Ltd. (TPDDL)
- Tata Power Trading Company Ltd. (TPTCL)

Note: The map is purely for representational purpose and is not to scale.
In line with its nationalistic spirit, Tata Power believes in the growth of the nation through the growth and empowerment of each of its citizens - whether in the rural or urban areas. The cornerstone of growth lies in Education and Health - these are the two mainstay initiatives that have gathered momentum across all the operative areas. The company has also initiated focused education towards Employability and Entrepreneurship with the Tata Power Skill Development Institute (TPSDI). TPSDI aims to benefit over thousands of Power Sector workers through various skills training programmes and bridge the existing skill gap in the value chain through concerted efforts thereby fuelling India’s growth and building it as a monument of excellence.

In addition, as a special centenary year contribution Tata Power has identified several new programmes for community development in the areas of sustainable livelihood, organic and integrated agricultural methods, afforestation, infrastructure and organised community economic welfare such as women Self Help Groups, etc.

Tata Power has been able to touch the lives of several thousand tribals, scheduled castes and tribes, farmers, fishermen, cattle owners and rural women through these initiatives. Through the various interventions, the company is able to touch the lives of human beings at the very core of their existence - leading the way towards progress, educating, following up on their progress up the value chain.

An important aspect here is the upliftment of the status of women in society - right from creating awareness about the right of education, propagating the health care of women, especially expectant and pre-natal care, as well as creating avenues for livelihood where women play an active role in contributing to the family income.

Tata Power has initiated grassroots level programmes where awareness about various government social welfare schemes and benefits is brought about targeting the beneficiaries. Tata Power has managed to touch many lives by facilitating key Government schemes providing social security for workers from unorganized sectors and their families. The company has engaged with various NGOs and partners to get villagers, farmers, women engaged and enrolled in such schemes - where they can avail benefits like insurance, scholarships, employment based on caste certificates, etc.

There are many communities that live in the close vicinity of our transmission operations. Initiatives like Jan Jagruti Abhiyan - explaining the hazards of transmission lines - have been successfully implemented since last 3 years.
The CSR Initiatives are undertaken through the developmental arm -
Tata Power Community Development Trust across all its locations.

Communities are at the roots of a nation’s economic and social progress. It is only when these roots are nurtured and strengthened, that a nation like India can develop sustainably. Towards this, the Tata Power Community Development Trust (TPCDT) has been established by Tata Power as not-for-profit organisation in 2009. TPCDT deploys the community development initiatives to incubate, implement and multiply diverse projects and interventions to help build a better and sustainable society.

The underlying goal in all of the interventions is to transform the lives of the community through result oriented participatory approach. The efforts are directed towards inclusive growth so as to reach out to the most vulnerable communities and help them build a better tomorrow. All our community development projects work with the concept of ‘Leadership With Care’ at their heart, which translates as care for community.

CSR AWARDS FY’16

Certification from WABA (World Alliance Breastfeeding Action) for participation in World Breast Feeding Week 2015
ABP News CSR Leadership Awards for Women Empowerment 2016 (received by TPDDL)
5th ASIA Best CSR practices awards 2015 (received by TPDDL)
CSR Spend FY’16

Tata Power, India’s largest integrated power company, together with all its subsidiaries and joint ventures, Tata Power Group companies’ CSR spend in FY’16 stood at Rs. 47.02 crores. While the company standalone spent Rs. 29.01 crores as against the required Rs. 28.29 crores as per the CSR Act, its subsidiaries and joint ventures spent Rs. 18.01 crore. Through this, the company reached out to more than 250 villages/urban pockets across 8 states and Delhi, benefitting over half a million people.

As Mr. Vivek Talwar, Chief Sustainability Officer, Tata Power, says, “Tata Power’s focus on CSR has been on designing and deploying sustainable programmes, where the community takes ownership of the programs in the true spirit of participatory development. There is sharper emphasis on capacity building of the community, which has led to better impact of programmes on health, access to affordable energy, water management and sanitisation.

Tata Power is working to develop an Aspirational Strategy for all its locations which would lay down the goals which the community would attain in its pursuit of socio-economic empowerment. Tata Power would continue to facilitate the process of development through collaborative processes, and seeking and sharing knowledge from key stakeholders.”

In FY16, Tata Power was ranked 2nd in CSR by Economic Times and IIM Udaipur Survey for CSR initiatives in 2014-15.

In FY16, the company reached out to schools covering over 1 lakh students through various educational initiatives. The company helped provide thousands of households with access to sanitation facilities. Model Village programmes saw progress in the field of water securitisation at Jawhar (Thane), Solar Micro Grid connectivity at remote villages of Pune, promoting tribal education at Kalinganagar (Odisha) to improving agricultural productivity at Jojobera and Maithon (Jharkhand). This year marked the commencement of four state of the art Tata Power Skill Development Institutes in Gujarat, Maharashtra and Jharkhand wherein more than 17000 work days generated through 16 different vocational courses. More than 400 Self Help Groups (SHGs) covered 5200 women in Maharashtra, Jharkhand, West Bengal and Odisha. As part of Affirmative Action, entrepreneurship development through fly ash brick making and vocational courses were undertaken during the year. 50000+ cumulative volunteering hours generated by employees in various community engagement initiatives. At Maithon, the Life Line Express (the first hospital on train) served nearly 6,000 patients via medical care like ENT, dental care, cleft lip surgery, orthopaedic, epilepsy, etc.

Reinforcing its commitment towards sustainability, the company planted over 7.5 lakh trees across plant locations and extended support towards Tamil Nadu Flood Relief initiative. In addition, the company also supported natural disaster relief work at Nepal and Georgia.
VIDYA

Augmenting Primary Education System with a focus on Girl Child Education
Would you like to visit schools supported by Tata Power CSR?
Show your interest with details and write to us - Corporate CSR department, Tata Power Corporate Office, 4th floor, A Block, Sant Tukaram Road, Carnac Bunder, Mumbai 400009.
EDUCATION EXCELLENCE
- Remedial Classes
- Learning Materials
- Extracurricular Activities (Movie Shows / Drawing Classes, Sports Classes / Art Classes)
- Libraries for Students
- Sports Competitions / Sports Club

E-LEARNING
- Computer Education
- Smart Classes / Interactive Classes
- Digital Workshops

SCHOLARSHIPS
- Scholarships for Primary / Secondary / Higher Education

213099
Total Student Beneficiaries

142840*
Education Excellence

69312*
E-Learning

327*
Scholarships

*Student Beneficiaries
In recent decades, India has made significant progress on access to schooling and enrollment rates in primary education. Improvements to infrastructure have been a major accelerator and India now has 1.4 million schools and 7.7 million teachers so that 98 percent of habitations have a primary school (class I-V) within one kilometer and 92 percent have an upper primary school (class VI-VIII) within a three-kilometer walking distance.*

However, dropout rates and low levels of learning remain a challenge. Additionally, the quality of learning is a major issue and reports show that children are not achieving class-appropriate learning levels. Part of this process requires well-trained teachers, better assessments at each grade level and efficient monitoring and support systems.

Technology has a lot of potential to improve education but how it can be implemented most efficiently and cost-effectively, still remains a question, given the issues of scale in terms of numbers and geography.

Tata Power endeavours to make quality education accessible to all communities through its activities. The interventions are excellence in education, teachers’ training, good assessment systems and introduction of technology in education. There is also a spotlight on gender parity in schools and learning institutions that starts right from awareness about the right to education for girls.

*Brookings.edu, 2015
Through various surveys, discussions with community leaders, parents, teachers and the community, it has been revealed that unawareness among parents about education, poor infrastructure of schools, lack of educational materials, inability to afford education, were some of the main causes for not emphasizing enough on their children’s education. Especially, girls’ education comes last in their priority list.

The Education Excellence Programme is a comprehensive education programme seeking to enhance the access to education for community children and increase their attendance rate, thus eliminating school dropouts through various interventions.

The aim is to initiate a dialogue with the community through a preliminary assessment of children, which will help to identify the academic learning level and thus segregate children in skills-based groups, and eventually bring them to a level appropriate to their standard.
Tata Power took up the challenge to identify major issues and strategize an action plan under the area of Education Excellence Intervention. As a start, a need assessment survey was conducted, with the following objectives:

- **Access to primary and high schools, colleges and university level education, vocational and ITI training, which is currently several kms away.**
- **Basic infrastructure at schools such as sanitation facilities, drinking water facilities, recreational facilities.**
- **Counselling and career guidance workshops, financial assistance like scholarships for students.**
- **Awareness about the importance of formal education, through local and governmental help, setting up institutes for vocational training, which would lead to direct employment.**
“Our school is quite big - with six classrooms and an internal playground too. However, our school had very few teachers to teach for the past 3 years, which led students drop out of school. Out of a total of 359 students, just a few of us were regularly attending school.

In January 2015, Tata Power approached a few teachers for support at the school. They discussed the requirements with the headmaster and assured support through providing quality education. They started special learning camps in the school. We saw a sigh of relief on the face of the headmaster as we slowly but surely progressed in our academics.

After almost 1 year, total regular attendees increased to nearly 300. Attendance has risen by 82% and gap bridging courses have helped to curb the knowledge gaps by 67%.

Today our school is one of the most vibrant schools and many bright students are volunteering in helping their friends study systematically through extra classes after school. We are really very proud to be students of this school now!”

KUNDAN, NAJMA, PRITI, HEMANT, RAVI, RAKIBUL FROM UPPER MIDDLE SCHOOL, PANDRA
School buildings have traditionally been conceived and treated merely as brick and mortar structures to house educational activity. The interface between the building design and the design of the teaching and learning programme has received scant attention, and the possibility of using the physical space as a learning resource is only sporadically explored.

BaLa (Building as Learning Aid) is an innovative concept towards qualitative improvement in education, through developing child-friendly, learning and fun-based physical environment building in school infrastructure.

For example, a window grill designed for children to practice pre-writing skills; a range of angles marked on the floor under a door to explain the concept of angles; ceiling fans painted with colour wheels to enjoy ever-changing formations; moving shadows of a flag-pole to act like a sundial to enable children to understand different ways of measuring time.
Tata Power has initiated the BaLa concept at Dherand, Mumbai and Mulshi. The same concept will soon be implemented at most of the schools covered under our education intervention programmes. In this context, the company, with active participation of the school management committee (SMC) and other key stakeholders from the community executed BaLa concepts, utilising the school corridors, stairs, walls, windows to colourfully depict various concepts in Science, Maths and Languages.

Under the BaLa initiative, the existing schools’ infrastructure and furniture have been used to draw various concepts which generates a conducive environment for a quality educational process. This helps strengthen their language, communication, numeracy skills, reinforce their observation skills by involving multiple senses in the learning process, facilitate understanding of abstract notions through concrete examples and develop a respect for nature and the environment.

The innovativeness of this concept can only be shown through pictures – after all, it’s a visual learning aid!
Remedial Coaching

With more than a million schools, India now has increased literacy rates. However, since local boards are in control of education, there are big differences in the quality of education at each school. There have been reports of large number of Class 9 students failing in exams and being unable to make it to Class 10. The need of the hour is to provide quality remedial coaching to students and ensure they match up to the levels of Class 10, and also reduce the disparity among education levels between private and government schools.

The company’s initiative in this area concentrates on providing remedial and special coaching to improve the academic skills, linguistic proficiency and levels of comprehension amongst students of Class 8, 9 and 10. At various locations, pre-tests were conducted at the beginning of the school year to identify weak students and the subjects where extra coaching was required. Most of the students identified seemed to have the potential to do well, but lacked proper guidance and mentoring.

Extra classes with proficient teachers were conducted after school hours for Mathematics, Science and Languages to bridge any understanding gaps and help the children attain grade specific competency levels.
ENGLISH REMEDIAL COACHING CLASSES

The quality of education at government schools near our locations was dismal to say the least! Majority of students came from scheduled communities and their English was way below par. Tata Power partnered local NGOs at Haldia, Kalinganagar, Mulshi, Dherand, Maithon, Jojobera – to improve the learning level for children from the government schools. In the pre-test, it was found that around 46% of the students from Class 5 were unable to recognize the alphabets and only 13% could recognize the words. Ability to form sentences was close to zilch even for students of classes 6 and 7.

The company helped to appoint trained teachers in carefully designing a module to improve on the students’ written, spoken and comprehension skills in English. After a four year effort, the results have been overwhelming!

Now 100% students from all classes are able to recognize the alphabets, identify words and half of them are also able to write correctly and frame sentences.

Proficiency in language has helped the children to cover up any learning deficit and explore their text books well. We can proudly say that the seeds of “self-learning and critical thinking” have been sown!

14661
Student Beneficiaries
Across all locations

Success Story
A bright young man with big dreams! That’s how one would describe the 14 year old Deepak. His interest in studies is so sincere, that he has not missed a single English remedial coaching class. With a correct accent and faultless English he says, “Since the day I have started learning English, it has opened up new avenues for me. I have improved my grammar and love to study the language. I love reading English books aloud at home. To improve my English further, I don’t want to miss a single day of school and classes.”

Deepak’s teacher reminisces, “In the pre-test, Deepak did not score any marks at all. Now, not only is he able to recognize alphabets and words, but also takes interest in grammar. He enthusiastically completes the class work that I assign.”

“The performance of the students in all subjects, English in particular has improved a lot. Earlier even the students of Class VII and VIII were unable to recognize the alphabets. But now they can recognize words and read complete sentences. I have also noticed them replying in English when outsiders visit the school. One more change that has taken place is that, the students used to run away after the lunch break but now the attendance is full! This shows that our efforts have kindled the right kind of interest in them towards studies. They are enjoying the process of learning and education with their gradual mastery and confidence over the subjects.”
It’s the age of smart phones, smart children - so how can classrooms be left behind! Various innovative and comprehensive educational solutions are adopted by Tata Power to bring e-learning into the lives of students in various pockets of our states.

The initiative will help in the holistic development of the students with innovative teaching aids to address their educational habits. The use of computer-aided learning stations has witnessed exemplary academic performance among the students in the past. The overall results in the curricular subjects of the students have improved significantly with the help of innovative tools. More and more children are enjoying their school life where every subject is now a favourite one!

Tata Smart Class was launched with the aim of innovatively using technology to improve learning outcomes for children through interactive learning. With a highly energized team of multi-disciplinary specialists, Tata Smart Class constantly innovates in pedagogy, technology and content aimed at enhancing learning experiences for CBSE, ICSE and various State Board schools in the K12 education landscape in India.

DIGITAL LEARNING – THE WAY FORWARD!

69312 students covered
I would like to convey my sincere thanks to Tata Power for installing e-learning in our school. It is a great learning tool for our students and I am sure it will be beneficial in their studies. We are touched by the generosity and willingness to help in upgrading our school.

Through this installation, 800 children from our school will be benefitted. We assure you that we will use e-learning in our textual learning to develop the innovative teaching and learning process.

“E-learning is a much needed utility in today’s world of technology. Students are fascinated to learn through such technology and are highly benefitted by the unit.”

“Through this installation, 800 children from our school will be benefitted. We assure you that we will use e-learning in our textual learning to develop the innovative teaching and learning process.”

NASREEN A SHAIKH, PRINCIPAL, ABDULLAH PATEL HIGH SCHOOL, KAUSA, DISTRICT THANE

HEADMISTRESS OF NUTAN VIDYA MANDIR, MUMBAI.

MR. WALIMBE, HEADMASTER, BMC VARSHA NAGAR PUBLIC SCHOOL, MUMBAI.
Tata Power spearheaded the initiative of Sports for Development among the children and youth in Hajipur city of the Vaishali district of Bihar. The project intends to develop the children from the underprivileged community by motivating and mentoring them to evolve positive attitudes and behaviour in Education, Health, and Gender Equality, and to develop their socio-emotional skills.

**Key Achievements**

1. **100% enrollment of project staff**
   - ie. One Cluster Manager, One TMO and 6 Youth mentors from the local community.

2. **100% enrollment of Community**
   - Youth Leaders (CYL)- 120 CYLs in 11 intervention Slums.

3. **100% enrollment of the children**
   - 3117 out of planned 3000 children from the age group 7 to 14 years.
AROGYA & SWATCH JAL

Building & Strengthening Healthcare Facilities, Including Safe Drinking Water
Did you know 194.6 million people are undernourished in India, which equals one-fourth of the undernourished population in the world. Share your inputs for our Health Focus area and write to us - Corporate CSR department, Tata Power Corporate Office, 4th floor, A Block, Sant Tukaram Road, Carnac Bunder, Mumbai 400009.
PRIMARY HEALTH CARE
- Mobile / Specialised / General Health Camps
- Purchase of medicine and medical equipments

TRAINING AND AWARENESS
- Awareness on general health and hygiene
- Specialised Training Programmes

SAFE DRINKING WATER AND SANITATION
- Safe drinking water initiatives and supply of water
- Sanitation initiatives
- Waste Management

SPECIAL HEALTH INTERVENTIONS
- Prosthetic Limbs
- Lifeline Project
India faces a growing need to fix basic health concerns in the areas of HIV, malaria, tuberculosis, and diarrhoea. Additionally, children under five are born underweight and roughly 7%* of them die before their fifth birthday. Sadly, only a small percentage of the population has access to quality healthcare and sanitation, which further exacerbates these key concerns.

The spend towards healthcare goods and services is only around 4.2%* of the national GDP, with wide gaps between the rural and urban populations in its healthcare system which worsens the problem. A staggering 70%* of the population still lives in rural areas and has no or limited access to hospitals and clinics.

Tata Power endeavours to bring quality healthcare closer and accessible to the communities through its health interventions.

*Forbes India 2014
Government schemes for health programmes such as National Health Mission or Rajiv Gandhi Bima Yojana mainly provide assistance for in-patient health services. There is negligible intervention from the Government for reducing out-of-pocket expenses at outpatient health services.

According to the study conducted by the Tata Power team about functioning health centres, the following findings were revealed:

1. Lack of proper infrastructure
2. Non-availability of doctors or nurse
3. Non-availability of medicines and equipment
4. Basic government facilities like immunization and ANC check-ups available several kms away
5. Closed sub centers with no staff at many times.

Under these circumstances, the Tata Power team has successfully demonstrated the model of Private-Public Partnership (PPP) for strengthening the government sub centre located at Shahapur. The same model is being used at other locations, with positive results showing up.
The sub-centre provides medical services at the door-step of villagers. Considering outreach of 1531 patients (Shahapur) during FY’16, the sub-centre intervention has saved approximately Rs. 3.82 lacs of villagers on health expenses, as the facilities were earlier available at a center 24 kms away. A female MBBS doctor available at least 3 days in a week makes it feasible for women patients to approach the doctor confidently.

PROMOTIONAL HEALTH CARE – LINKAGES WITH THE GOVERNMENT HEALTH PROGRAMMES

The team provided necessary support to the government medical staff for immunization of children between 0-5 yrs and check up of Ante Natal Care (ANC) mothers from Dherand and Shahapur villages.

170 children of the age group 0-5 years covering 100% of target population received oral polio vaccines.
At Kalinganagar, Odisha, health camps and awareness sessions were organized for sharing best practices on health and hygiene, and prevention of diseases like Swine Flu, HIV/AIDS and Malaria.

At Delhi, 62 drug de-addiction camps were organized, where free counselling and homeopathy medicines were provided to more than 9000 beneficiaries.

Tata Power organized HB testing and Blood Group Check-Up Camp at three ZP Primary Schools and one Upper Primary/ Middle school at Alibaug, Maharashtra. Necessary equipment and materials were provided by the Civil Hospital Alibaug, and the team arranged for lab technicians through its partner Dr. Mahajan Hospital Industrial Trauma Centre (MHITC).

At Kalinganagar, Odisha, health camps and awareness sessions were organized for sharing best practices on health and hygiene, and prevention of diseases like Swine Flu, HIV/AIDS and Malaria.
Taking a cue from the government’s slogan for “Ghar ghar mein Sauchalaya”, Tata Power has taken up the initiative of creating Defecation Free Villages. The initiative is not restricted to building toilet blocks in the villages, but also addressing the need for awareness of hygiene, maintenance of the toilets and changing age-old practices and rigid mindsets.

The poor hygienic conditions of villages near Jojobera, Mulshi, Haldia, Mundra and other locations instilled the requirement to take up this project on priority. Poor sanitation practices had been affecting the quality of life of the villagers, and causing enormous hardship especially for women and girls. In partnership with NGOs and welfare organizations, the sanitation projects were initiated in March 2015.

The project adopts the “Community-Led Total Sanitation” model through awareness creation, demand generation for improved sanitation and hygiene behaviours resulting in construction of functional toilets at the individual household level. The following objectives have been met with the total involvement of the communities:

- Open defecation free villages
- Awareness and behaviour change on sanitation and hygiene issues
- Development of skilled manpower as masons for post-construction services for improved and sustainable sanitation services
- Adoption of safe hygiene practices and facilitate construction of toilets in each household.

**Building of toilets at 12 schools and 900 households in Odisha**

**Revamping water supply system and groundwater aquifer benefitting 210 households in Odisha**

**Repairing of 25 hand pumps and construction of 11 soak pits at Tiruldih, Jharkhand and many more...**

**35 RO plants** installed at government schools, Jhuggi Jhopri clusters & Delhi Metro Railway station providing potable drinking water to nearly 1,64,000 individuals every day.
The Ahmednagar district Demographic and Health Survey 2011 found that 19% and 14% of children lesser than 5 years of age were underweight and stunted, respectively and only half of the children under 6 months were exclusively breastfed. The high cases of malnutrition in Pimpalgaon, Kouda, Ranjani, Mehkari, Agadaon and Shahajapur villages is linked to the issues of bad food habits and socio-cultural practices such as pre-lacteal feeding. Extreme topography, and low socio-economic status has contributed to seasonal food shortages, leading to widespread chronic food insecurity. Poor hygiene and sanitation further aggravate recurrent infections such as diarrhoea in small children.

The above scenario resounded with most of the other villages targeted through our interventions.

With the help of local NGOs working in the field of health, Tata Power helped spread awareness about malnutrition, nutrient deficiency and help reduce diseases in these villages. Through baseline survey and counselling, home visits and awareness rallies, a programme was planned for increasing nutritional literacy among the communities.

To improve service utilisation, the project targeted children, expectant mothers and Anganwadi Sevikas. It helped gain acceptance of the community to adopt healthy practices and improve the health and utilisation behaviour of the beneficiaries.

Children have been provided with safe, adequate, diverse and age-appropriate nutritious food by promoting infant and young child feeding practices, including exclusive breast feeding. Health seeking behaviour of pregnant, lactating and women with toddlers is promoted by strengthening the capacity of local health facilities. Regular monitoring of growth of children is done through ongoing government activities such as PHC/ORC intervention.

62367 persons covered through awareness sessions
While most villages suffer from lack of basic medical facilities, eye care facilities are even more difficult to find. This was a major concern in the communities where the trust has been trying to stabilise health interventions.

To provide easily accessible and quality eye care solutions to the villagers, Tata Power initiated an in-depth, three-layered eye care intervention.

**Layer 1:** Free of cost eye check up camps throughout the year, along with provision of spectacles. Preference given to aged, children and persons below poverty line.

**Layer 2:** Facilitation for further treatment and conducting cataract operations free of cost.

**Layer 3:** Intervention follow-up of patients.
Sahan Bewa is a 43 year old widow, working on daily wages as an agricultural labourer in Basulia, a small village close to Haldia, West Bengal.

“For a long time, I was suffering from low vision and eye irritation. But due to my economic conditions, I ignored it, and never consulted any doctor. But after my husband’s demise, when I had to start earning, my low vision caused me a lot of trouble at work. Gradually, the magnitude of the problem increased and it was unmanageable for me to continue my work. I was forced to stay at home and it made my life miserable.

One day I heard the announcement about the eye check up camp in my village itself! I was happy to hear about it and promptly gathered more the information about the camp. I registered myself and doctors thoroughly checked both my eyes. I was diagnosed from cataract which needed to be operated soon to restore my eye sight. I gave my consent for operation and also followed the restriction advised by the doctor before operation.

On the scheduled day I was admitted at the base hospital with the help of Tata Power. My cataract operation was done successfully without any cost. The post-operative medicines and spectacles were also given to me free. Another follow up was done a few weeks later at a similar camp organised by the trust. Now I can see everything clearly and lead a normal life to earn my livelihood.”
Tata Power, in partnership with Impact India Foundation, hosted the Lifeline Express (first hospital on train) at Kumardhubi Station in Jharkhand in February 2016.

Lifeline Express is the world’s first State-of-the-art hospital on train and has changed the lives of thousands of underprivileged people and has so far provided medical services to about a million disabled poor - all free of cost and made possible by the volunteer services of about 200,000 medical professionals across India and abroad.

Commenting on the launch, K Chandrashekhar, Maithon, Tata Power said, “We, at Tata Power have always endeavoured to provide a caring, supportive and healthy environment to the people in and around our areas of operation. We believe in providing incomparable medical services to the communities around us and our initiative of the Lifeline Express fulfils our belief. The Lifeline Express consists of coaches equipped with sophisticated medical and surgical facilities to provide on-the-spot diagnostic medical and surgical treatment. We have received full support from local panchayats, school teachers and local communities in making this initiative a complete success by participating and making use of the facilities provided. Approximately 50,000 people have benefited from this initiative.”

### Lifeline Express
- **27 Jan - 16 Feb 2016**
- **Kumardubi station (Jharkhand)**
- **77 Surgeries**
- **More than 50,000 patients treated**

10 SPECIALIST DOCTORS
20 GENERAL DOCTORS
23 PARADEMICS STATIONED
- Specially equipped to detect cancer, operate eye cataract and perform orthopedic corrective surgery
- Houses diagnostic machines and surgical rooms
Every few days, we read about the toxic fumes generating from the dumping grounds that are engulfing the cities. Apart from creating health hazards, the dumping grounds are poisonous time bombs sitting on mountains of expensive real estate. As humans, we are only generating garbage, but have never given a thought to reducing it.

There are many affordable and feasible ways of disposing waste in a natural way. Towards creating a better and beautiful city, Tata Power initiated the “Target Zero Waste” at many locations. Spearheading the initiative are the volunteers from Ambujwadi, Mumbai.

The initiative aims at:

1. “Zero Waste” through awareness among slum dwellers, self-help groups comprising youth, senior citizens, Sarvajanik Mandals, cricket clubs, shop owners, etc.

2. Creation of dry waste sorting centres to be managed by women SHGs, and wet waste management via composting

3. Approvals and provision of space by district councils, MCGM (Municipal Corporation of Greater Mumbai), other resources and enhancement of SAS (Slum Adoption Schemes).
The movement started with the cleaning up of gutters, which are generally used as a garbage disposal area by many residents. This is followed up by clearing dumping grounds, by segregating dry and wet waste. For the wet waste composting, compost beds along with shredder-cutters and bio-cultures for faster and natural decomposing of bio waste, have been built at the main garbage disposal area, as well as at the field office. The dry waste segregation centers have been handed over to the women SHGs.

Apart from conducting awareness sessions in communities, many sessions were conducted with the help of religious leaders in temples, churches and masjids. This helped to spread the word fast and delve deeper across communities.
SAMRIDDHI & DAKSH
Enhancing Programmes on Livelihood
How many Skill Development Centres Tata Power has set up to provide 'power skills' training to the underprivileged?
Share your answer and win prizes - Corporate CSR department, Tata Power Corporate Office, 4th floor, A Block, Sant Tukaram Road, Carnac Bunder, Mumbai 400009.
**PROMOTING SUSTAINABLE LIVELIHOOD THROUGH AGRICULTURAL PRACTICES**

- On-farming activities (Saplings & Seed Distribution)
- Providing Irrigation facilities
- Linkages with Government schemes

**TRAINING PROGRAMMES / INCOME GENERATION FOR YOUTH**

- Skill Development Initiatives
- Career Oriented Initiatives

**VOCATIONAL TRAINING / INCOME GENERATION PROGRAMMES FOR WOMEN**

- Women Training (Tailoring, Nursing, Beautician, etc)
- Support To SHGs
The necessity of the unemployment situation today is to reach down to the household level to support the formation of institutions for the poor and the aggregation of those institutions beyond the community level. The institutions can form platforms – right from the self-help groups to the district levels – to leverage resources from the public and private sector and to create an ecosystem where the unemployed or under-skilled work together with external agents to identify problems and design solutions.

Tata Power endeavours to create such spaces where the communities can save, build assets, adopt new livelihoods, and see new opportunities for themselves and their families. The platforms also provide the organization of consumers and producers to get introduced to most vibrant untapped markets for commerce. The initiatives focus on mobilizing communities into representative and self-managed institutions at the grassroots level, such as women’s self-help groups (SHGs). Such groups can have a tremendous impact on gender issues and could be a game changer in terms of achieving the goals on nutrition, gender and poverty. Proper investments of capital and capacity building can facilitate households to access services and livelihood opportunities previously beyond their reach.
In the catchment areas of Mulshi and Maval, it was found that the local students were facing difficulty in accessing quality education and had to travel long distances due to remoteness of the village, thereby hindering their education. Identifying this need, Tata Power, in collaboration with Mulshi Dharan Vibhag Shikshan Mandal, started an Industrial Training Institute (ITI) in September 2011.

The institute was set up with an objective to upgrade the quality of education for the locals and the surrounding areas. Under the collaboration, the infrastructure facility for the ITI has been created by the trust which includes the machinery and tools required for various trades.

The ITI follows the norms and guidelines laid down by National Council for Vocational Training (NCVT). The training courses cover two core competencies of Mechanical and Electrical. The students are imparted theoretical and practical knowledge in the fields of Welding, Motor Mechanics, Electronics, Electricals and Fitter training.
SHUBHAM ON THE PATH TO A BRIGHTER FUTURE...

One of four children of a poor farmer in Raigad, Shubham had dreams to make it big. Unfortunately, a failed examination at HSc level left him discouraged and unhappy.

Shubham enrolled himself at ITI Mulshi, specialising in Electronics trade. Being from the catchment area, he could also avail of 50% concession in the tuition fees. Shubham has now regained his confidence after having traversed through the vocational training offered at ITI.

With this expertise, Shubham is now raring to go ahead and work hard to achieve success.

MANGESH GANPAT BALKAWADE

He says, “The institute is well equipped and provides practical experience to students. The industrial exposure tours give us a first-hand view into the world we will be joining soon. We gain a lot of knowledge from the stories shared by the experienced visiting faculty and their excellent guidance.”

A 24 year young man of Darwali village native in Mulshi block. During his secondary level schooling, Mangesh dropped out of school after 9th standard in 2006. For the next six years Mangesh could neither upgrade his educational level nor find any job due to lack of educational qualification.

Mangesh joined the welding course at ITI in 2012, and successfully completed his training in July 2013. Employment opportunities for a less academically qualified person like Mangesh were very rare. He decided to start his own line of work and purchased necessary equipment like welding machine, grinders, cutting tools, etc. He has been undertaking welding, fabrication jobs on a turnkey basis for the last three years. Expressing satisfaction and happiness, he stated that ITI has given him a second birth and very few drop out students like him get an opportunity to revive their future. Now he is self-reliant and confident!
A vocational training aimed at women addresses their emotional and psychological needs and gives them the skills they need to achieve economic stability for themselves and their families. Such skills can be life changers, helping women – especially in countries like India, where the gender social divide is very large – to gain confidence and an economic status.

Tata Power has chalked out various skill development programmes aimed at women, such as tailoring, beauty services, assistant nursing.

Tata Power implemented 6 months tailoring, and 3 months fashion designing courses, with fully equipped centres having sewing machines, other material and able trainers. The courses have helped them become self reliant through skill development on sewing, tailoring and basic fashion designing, thus creating employment opportunities for disadvantaged adolescent girls and women.

After the training, the women can:
- Profit from their products
- Apply marketing and management skills learned in the training
- Increase awareness about the tailoring programmes and enable the empowerment of other women in their communities.
At various villages, our volunteers surveyed the lifestyle of women. The women showed a strong desire to learn but lack of any such facility was a big hindrance in their path of success. Most of them were totally dependent on their family financially.

The CSR team has also initiated Assistant Nursing courses for girls over the age of 18 in certain locations such as Mulshi and Maval, to be followed up in other regions. These vocational training courses have received very good and positive response from the community, and will be expanded to include other subjects as well.

Tata Power’s Nursing college in Male village of Pune, Maharashtra, aims at enhancing job prospects for 10th and 12th standard pass-outs in the health sector.

- 30 students per batch
- Faculty of 2 teachers and 2 doctors
- Tie-ups with 52 hospitals in Pune
37 year old Pratima Devi joined the batch of 32 eager learners at the sewing centre. After initial apprehensions, she developed a strong desire to learn and excel in sewing and tailoring skills and the sincerity paid off as she excelled the examinations!

At the end of the training she purchased a sewing machine and started her own business. She has become a role model in her village!

Pratima Devi says, "It was a herculean task to convince my family to allow me to attend the training and that too for six months and at least three hours per day. The company volunteers managed to win the confidence of my family members and I got the opportunity to utilize my skills to add to my family income. I will encourage my kids to learn sewing and support themselves and their family."

Rajita Dhebe, a nineteen year old girl from a village named Patnus near Bhira, stays in the girl’s hostel provided for the nursing students by Tata Power. She is a shy girl who nurtures a dream of being self-dependent. She says, “Sometimes my parents tell me to stop pursuing the course, but it’s my dream which gives me courage to cross all the barriers she gets in her path of life. I have become more confident and started believing in myself. Now I’ll get married only after getting a job!”
Many small fishing villages lie along the Arabian sea coast of Gujarat, Maharashtra and Odisha. Being a seasonal occupation, fishermen often have to search for work in factories and other places to substantiate their income.

Tata Power has charted out a plan which not only provides support for livelihood improvement but also seeks sustainable measures and skill development to strengthen the household income. The following initiatives have been implemented at both the villages this year.

1. **Provision of fishing gear:** A perennial problem among the fishermen is the need to bank on money lenders for purchase of fishing gear. The company has ensured that the fishermen shall get quality fishing gear without depending upon the money lenders. Every beneficiary has also contributed to the exercise as a community contribution.

2. **Fish drying platforms and fish drying facilities (solar dryer):** To address the poor quality of the fish drying approach by the local fishermen, experimental fish drying through solar dryer was introduced; the success has given the lead for a convergence with government for more installations of solar dryers.
3. Formation of VDAC: Lack of institutions among the fishermen often led them to financial crisis and systematic thinking for their development. To address this critical gap, the CSR team has formed Village and Development and Advisory committees of the fishermen which has increased the programme ownership among them. It was further strengthened through various capacity building programmes and educational exposure.

4. Alternative Livelihood Generation activities: Initiation and opening of alternative occupations such as flour mills, that are managed and operated by the VDAC has augmented an additional income for the fishermen.

5. Preparatory work for prawn farming and crab fattening: Identification of land and its processing for obtaining the lease right from the government, selection of fishermen for training and the technical feasibility of the project has been completed by the CSR team.

6. Opening of Fishermen Information Centre: Details of various government programmes are disseminated to the fishermen to avail of the benefits. This centre is also used as a meeting point for the VDAC members and for other activities.
Income insecurity is one of the primary reasons behind the low quality of life people in small villages such as Sarjamda near Jojobera in Jharkhand. They earn their livelihood primarily by working in nearby factories, or farming as per availability of land. The mode of cultivation in the farms used to be very primitive with no application of technology. Factors affecting the agricultural productivity were lack of capital, irrigation facility, unavailability of seeds and fertilizers. Their land was fallow and barren for many years resulting in loss of income.

Tata Power’s CSR team organized the farmers in various locations into the “Pragati Kisan Clubs” where the farmers’ individual landholdings have been consolidated and agricultural activities initiated on a cumulative basis. The co-operative movement ensures that the yield and income gets divided as per the proportion of land owned by them.

**Partnerships with Nurseries:** The land and agri-infrastructure has been developed as per expert advice from the nurseries situated in proximity of the villages. The cultivation on the land can now be done thrice every year, generating more profit. A buy back agreement is also a possibility with most of the nurseries.

**Institutional Linkages:** Farmers have been trained on best agricultural practices, use of drip irrigation methods, fertilizers, insecticides, mulching, vermicomposting and other agronomic practices by scientists from KVK (Krishi Vigyan Kendra), etc. The Pragati Kisan Clubs are enlisted with NABARD for credit-linkages through the local banks.
There have been multiple benefits from these projects:

- Substantial increase in the income of tribal farmers
- Development of fallow – uncultivable land into cultivable land.
- Consolidation of fragmented landholding and practice of collective farming to achieve economies of scale.
- Promotion of intercropping and commercial farming with use of best agricultural practices.
- Usage of drip irrigation system leading to saving of water, improvement in fertilizer use efficiency and improvement in yield as crops grow consistently, healthier and mature faster
- The Jharkhand project is a Demonstration Site and can be used for replication by other farmers.

Sustainability: The farmers have been oriented on marketing techniques and have become resource persons to train other farmers interested in replicating this project. The project cost is to be repaid within a 2-3 year period and this money will be ploughed back in to the corpus account for furthering similar projects.
I am Suresh Patra of Nayabagapatia Village Development Committee (VDC), which is a beneficiary of Integrated Farming System. It would like to thank Tata Power’s Baitarani Initiative for their support in ensuring improved agriculture practices in my village Nayabagapatia. Because of the training received under this project, I am now able to understand basics of Integrated Farming System with focus on different cultivation practices and preparation of organic manure and bio-pesticides. These techniques help me in maintaining my soil fertile and avoiding excessive use of chemical fertilizers. Within a very short span of time, I could notice the difference of growth and survival ratio of my crops as compared to the earlier years. I am indeed privileged to acquire this kind of knowledge and am confident to get an economical benefit out of this.

Thanks to Tata Power for initiating and developing this project in my village. Just like me, I am sure other farmers will be encouraged to follow and benefit from this initiative.
Droughts, irregularity of rains and famines cause havoc and damage to existing farms as well as future agriculture projects, apart from devastating farming families. Slowly but surely, long-term solutions to regularize availability of water for agriculture are being implemented across India.

Tata Power’s initiative to help build stronger farming communities includes provision of water systems for irrigation as well as household usage. In many locations across states, the company has assessed the geographical situation and provisioned for the best possible water solutions for the long-term benefit of the farmers.
TATA POWER has always undertaken various activities with an aim to improve the quality of life and uplift the economic conditions of its surrounding communities. In line with this belief, Tata Power Skill Development Institute (TPSDI), a Centre for Excellence for Power Plant Skills, has been set up at the Tata Power Trombay Thermal Power Plant.

The centre aims at benefitting over 600 power sector workers through various power-skills training programmes and bridging the skills gap that exists across the value chain to help build a capable workforce. TPSDI currently has four setups at Trombay, Shahad, Maithon and Mundra that are fully equipped to conduct training across the whole range of power plant maintenance skills to provide hands-on practice to trainees with state-of-the-art equipment.

Impart, enhance and / or upgrade skill levels of youth and workforce in power sector in identified trades and skill sets thru’ modular skills for employability and employment in power and allied industry

Business Philosophy: Networking, Alliance, Sustainable

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TPSDI CENTRES – A CORNERSTONE OF LIVELIHOOD BASED EDUCATION

Each TPSDI Centres has the following infrastructure:

- Classrooms equipped with computers, projectors, and whiteboards
- Display rooms with tools, equipment, and machinery
- Workshops for all the skills for which training is provided at the Centre
- Computer lab
- Canteen & Hostel facility for trainees
- Guest house facility for Trainers / Instructors
- IT support systems

TPSDI - Shahad was the first training hub to be inaugurated. Apart from the mandatory facilities, it also boasts of a dummy - 22 KV electrical switchyard, 110 KV Transmission Line Towers, Overhead Distribution Line and Pole-mounted Substation.

The Training Centre at Trombay leverages the Trombay power plant for onsite visits and practical training. The training infrastructure and facilities at TPSDI Trombay include Welding Centre for various Welding Skills - Gas cutting, Gas, Manual Metal, Arc Welding (MMAW), Inert Gas (TIG) and Tungsten Welding.

Training infrastructure at TPSDI Maithon and Mundra includes “Smart” classrooms, Computer Lab, well equipped Mechanical and Electrical labs, and a full-fledged Welding and Fabrication Center. The Training Center at Maithon also has a Solar Pump Skill Center which features a unique Solar Powered Borewell Pump, which is supplied by a rain-water-harvesting Recharge Pit.

Tata Power has partnered with Thermax, an Indian energy and environment engineering company, to source a part of its workforce from TPSDI trainees ensuring their skills find employment.
TPSDI makes conscious efforts to provide women with increased access to its skill development programmes, with the objective of empowering them for earning a livelihood and becoming economically independent. In order to facilitate this further, TPSDI - Shahad had reached out to multiple education and technical training institutes seeking admission of their female students to TPSDI’s modular skill development courses.

Since November 2015, three batches of female ‘Electrician’ Trade students of the Women’s Govt. ITI, Thane have completed 6 week long courses in Domestic Wiring. The course prepares participants for entry-level employment in the electrical industry with the goal of becoming an Assistant Electrician or an Entrepreneur.
Damini Varghade is one of the students from the Electrician Trade at the Govt. ITI (Women), Thane, who has also attended the Domestic Wiring training at TPSDI Shahad. Damini said:

“Men have more career choices open for them as compared to women. If women want to increase their employment opportunities, then they will have to widen their choices. That is the reason why I chose the Electrical field. Some people make fun of me when they hear that I am a student of the Electrician Trade at the ITI. But I don’t let that affect me!

Training at TPSDI helped us learn a lot in a short duration of time. We got exposed to many different kinds of equipment which is otherwise unavailable at the ITI, plus we got practical training in almost real setups. The other aspects like soft skills and personality development are equally valuable for career building.”

MS. JYOTI MANOJ LOHAR, PRINCIPAL AT THE GOVT. ITI (WOMEN), THANE SAID:

“There are very few Women’s Govt. ITIs in the country today and ours is one of them. We started the ITI course in Electrician Trade for women at our institute two years ago and the response has been very encouraging. We have enrolled women from all over the state. They aspire to take up upcoming opportunities in the Power Sector and also take the benefit of women’s reservation for jobs in this field.

Training at TPSDI has proved to be extremely beneficial for our students as they got practical experience which could not have been possible at any ITI. Our students gave very positive feedback about TPSDI’s faculty, facilities, resources and also hospitality. We would like to continue our relationship with TPSDI in future and explore more options of collaboration. We thank TPSDI for providing this invaluable opportunity to our students.”
SANRACHNA
Building Social Capital & Infrastructure
Share your creative ideas on Women Empowerment programs and win prizes - Corporate CSR department, Tata Power Corporate Office, 4th floor, A Block, Sant Tukaram Road, Carnac Bunder, Mumbai 400009.
BUILDING INFRASTRUCTURE
- Construction and repair of school infrastructure
- Construction of roads, community centres, community toilets, crematoriums, etc

PROMOTION OF GOVERNMENT SCHEMES
- Awareness of government schemes
- Enrollment of beneficiaries

WOMEN’S EMPOWERMENT
- SHG formation
- Construction of training and development centres

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84502
Total Beneficiaries

<table>
<thead>
<tr>
<th></th>
<th>FY'15</th>
<th>FY'16</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of SHGs formed</td>
<td>437</td>
<td>702</td>
</tr>
<tr>
<td>No. of SHG Members</td>
<td>5444</td>
<td>6528</td>
</tr>
<tr>
<td>Total SHG Gross Funds (apprx)</td>
<td>91 lakhs</td>
<td>115 lakhs</td>
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</table>
Infrastructure is the basic requirement of economic development. It does not directly produce goods and services but facilitates production in primary, secondary and tertiary economic activities by creating external economies.

Tata Power’s interventions address the creation of such social infrastructure that would aid in creating opportunities for development and upliftment of communities.
Women’s empowerment goes a long way in building families and communities. Tata Power helps in the formation of Special ‘Self Help Groups’ (SHGs) with the intention of bestowing empowerment, self-respect and self-reliance among women living in traditional set-ups. This initiative strives towards the social and economic development of the communities through health, education, living standards, infrastructure development, energy conservation and natural resource management.

The objectives fulfilled by an SHG are:

- Promoting gender equality and women empowerment by implementing income generation training and skill upgradation
- Building up the capabilities of the rural communities to undertake sustainable and manageable income generating activities in the long run for self-directed development.
- Unique mobilization processes facilitate the SHG formation, training and capacity building, exploring linkages with financial and technical institutions which will help in giving these SHGs the appropriate hand holding support to start their own enterprises.
- Transform SHG members into confident entrepreneurs by providing micro-enterprise based livelihood options.

<table>
<thead>
<tr>
<th>1223 Members trained on IGA</th>
</tr>
</thead>
</table>

37% increase in trained SHG members compared to FY15
Bidada is situated in Mandvi Block, in the Kutchh district of Gujarat. Apart from caste wise differences, the derogatory social status of women is a major cause for concern. Especially in the Darbar community, being born a woman is considered to be a curse! The Darbar women do not have property rights within their parental or marital home, nor do they get any family or community support to take up jobs. The Sakhi Mandal programme was launched by Government of Gujarat; Tata Power took on the mantel to form SHG groups in the outreach areas. The Darbar women understood the benefits and power of togetherness and ultimately they formed their own SHG in 2013. The company provided every possible support in creating bank account and maintaining records as well as regularizing meetings. After six months, the SHG was linked with the Sakhi Mandal scheme and got the revolving funds from the government.

The Darbar women have now charted their own paths of progress! They have experienced the power of finance, management, co-operation and are happy to handle all responsibilities sincerely.

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**In Gujarat:**

50 SHGs + 592 members

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**About SHG (Mandal)**

- **Total members**: 13
- **Formation date**: AUG 2013
- **Total saving**: 36,200
- **Usage loan**: 55,000
- **Repay loan**: 20,000
"After joining this group, we feel competent enough to fulfill our economical needs as the situation demands. Earlier, we used to borrow money from lenders at 3-4% monthly interest, but now we don’t need to go to anyone. This is our own group, and our own money. It gives us a sense of moral and financial security. We have availed of loans for education fees, daughter’s marriage expenses, medicines, etc. This is our own money so we return the loan with interest happily in our SHG account! Our savings are increasing rapidly, we feel proud to be able to face our circumstances with dignity and pride. We are not dependent on anybody and we have our own dignity!"

VINA BA JADEJA
SHG PRESIDENT - BIDADA (GUJARAT)
Khandke region in Ahmednagar district of Maharashtra is a drought prone region, with very low rainfall. Watershed activities were organized in this village through Tata Power interventions, the Rural Appraisal (PRA) initiative and Need Assessment Survey of Ranjani and Devgaon villages. The findings and data identified certain pockets wherein watershed activities could be organized. The findings were shared with the Zilla Parishad and a total of 8 Recharge Shafts (Water Conservation Model), Deep Continuous Contour Trenching (Deep CCT), WAT and other watershed management activities have been undertaken by the government, based on the survey.

Tata Power deployed technical assistance weighted through by a Civil Engineer to check out the feasibility of the project. Two check dams were constructed – Cement Nulla Bunds (CNB) at Ranjani and Devgaon village through the NGO – Bosco Gramin Vikas Kendra, Ahmednagar, Maharashtra.

The de-silted fertile soil was handed over to 10 farmers for usage over their four acres of barren land, which is now used for farming. More than 30-40 individual and public wells have been recharged, along with water sources like ponds, wells, streams, rivers, etc. The dams provide irrigation to farms, fodder for livestock and ultimately better crop production and rising economy.

More than 115 households from these two villages have been benefitted by this initiative.
Few of the welfare schemes that have been facilitated across locations are:

- Aam Aadmi Bima Yojana (AABY)
- National Family Welfare Scheme (NFWS)
- Pradhanmantri Jan Dhana Yojana (PMJDY)
- Pradhan Mantri Suraksha Yojana (PMSY)
- Pradhan Mantri Jina Jyoti Yojana (PMJJY)
- Savitribai Phule Dattak Palak Yojana (SBDPY).

With a large uneducated population, India faces a unique issue – that of the full and relevant utilisation of the available government schemes and programmes. To facilitate the implementation of these schemes, Tata Power has included the promotion, awareness and support for enrolment in such schemes as part of its interventions.

While assessing the situation, we realised that only a very small minority of the population are even aware of welfare programmes implemented by the Government. Even among those who enrolled for such schemes, the villagers faced the major problems of procedure delay and are unaware or unable to adhere to formalities and need guidance / support from an experienced person.

The company’s intervention ironed out all these issues, by engaging NGO volunteers to support in the enrolling process. Government employees from different departments such as Revenue, Health, Agriculture, General Administration, Public Distribution System (PDS) and Transportation worked together to explain the benefits of all the various schemes. The company not only supports in the enrollment process, but also in the claims settlement process, filing applications for loans, scholarships, etc.
Since FY’14, Tata Power has partnered with the District Education Department (DED) for implementation of Savitri Bai Phule Dattak Palak Yojana Scheme. In order to promote girl child education and aid reduction in dropout rate, the government of Maharashtra launched SBPDPY scheme, targeting girls from 1st to 10th class from the Government or Government Aided Schools.

Under this scheme any individual can adopt a girl child from marginalized sections of society for providing sponsorship in the form of education materials as per the requirement of girl child.

**NATIONAL FAMILY WELFARE SCHEME**

This scheme is implemented through the Social Justice Department of the Government of Maharashtra, targeted at families below poverty line (BPL). Under the scheme, if any breadwinner of such a family dies, then the dependents are liable to receive one-time assistance of Rs. 20000/- from the government. To execute this scheme in the villages, Tata Power accessed the BPL list which was easily available in the Grampanchat or Talathi Office or Tehsildar Office.

100% beneficiaries received the cheques after qualifying the terms and conditions of the scheme.

**Total Rs. 9,30,585/- generated through government schemes and community contributions**
This is the social security scheme of the Central Government implemented through Social Justice Department of Government of Maharashtra. The scheme is targeted at landless farmers, it provides insurance coverage for individual beneficiaries with the additional benefit of scholarship for students amounting Rs. 1200/- per annum.

While implementing the scheme Tata Power targeted two groups,

1. Self Help Group Members

2. 9th to 12th class students of 3 secondary/higher secondary schools in Dherand, Maharashtra

Initially the school authorities were hesitant to implement the scheme as they did not have very good experience with the government officials, but the Tata Power team managed to motivate them and gained their confidence and support for the cause.
A badly maintained education facility only attracts rodents, and not students. That was the condition of Durgachak Rehabilitation Colony Primary School located near Haldia, West Bengal.

Considering the safety of the children and their dismal presence, Tata Power took on the responsibility of renovating the school. Extensive renovation work was carried out, including repairs, interior and exterior painting, replacement and repairs of doors and windows and electrical wiring.

The waste collected from the school kitchen during the mid-day meals used to get dumped in the drain, causing bad odour and unhygienic conditions around. To solve this issue, our team installed a small bio gas plant which could be used to convert all food waste and garbage to bio gas. This is now used to supplement the fossil fuel for cooking the mid-day meals.

“Our school was in a very bad condition lacking basic amenities. There was no electrification in class rooms, doors and windows were broken. Tata Power supported us a lot in developing our school infrastructure. In addition the company helped us to manage our bio degradable waste to produce gas for cooking the mid-day meal for children. A gas oven has also been installed in our school kitchen.

The company provided us a water purifier; earlier children had to drink water directly from the tubewell but now they avail of the potable drinking water. The attendance of our students has increased – they are happy to come to school!”

MS. RINA MAJHI MANNA
PRINCIPAL - DURGACHAK SCHOOL

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In order to prevent tripping due to human interference and to reduce fatal incidences, Tata Power has been conducting Jan Jagruti Abhiyan at locations where kite flying is rampantly practiced by people staying under the Transmission Lines.

Employee volunteers conducted safety awareness sessions, educating people about the hazards of flying kites in the vicinity of Transmission Lines. Live demonstrations of how kite strings are conductors of electricity were showed in shanties and schools. Various media like radio, posters and pamphlets were distributed.

No line tripping accidents have occurred since the past three years, thanks to the efforts of the volunteers.
RURAL ENERGY SOLUTIONS
- Support for Bio-gas/LPG Connections
- Establishing Solar Energy Resources

ENVIRONMENT
- Environment Awareness Programmes
- Plantation
- Afforestation

PROMOTING SPORTS & GAMES
- Sports Coaching
- Provision of Sports Kits

SUPPORT TO NATURAL CALAMITIES
- Distribution of Disaster Relief Kits
- Engagement of Volunteers

MODEL VILLAGE
- 114 Villages covered under Renewable Energy
- 244254 Total Beneficiaries
- 1617 Solar Street Lights Installed
- 2200 Solar Lanterns Distributed
- 755460 Trees Planted
Which Division pioneered Micro grid Village solar electrification project in Tata Power? Share your answer and win prizes - Corporate CSR department, Tata Power Corporate Office, 4th floor, A Block, Sant Tukaram Road, Carnac Bunder, Mumbai 400009.
The two pertinent factors for the growth of a nation are its people, and its environment. Every developing country needs an efficient infrastructure and smart city and village planning that will meet the demands of a growing population. At the same time, meeting human development goals must happen while sustaining the ability of natural habitats, knowledge systems to continue to provide the natural resources and ecosystem services upon which the economy and society depend and thrive.

Tata Power interventions are aimed at bringing people and nature together to work in harmony towards the socio-economic development of the communities. While extensive tree plantations and extension of irrigation facilities remain on priority, so does the institutionalizing of small scale organizations to meet the educative and economic needs of communities.
India has about 7 lakh villages, of which thousands are bereft of electricity, infrastructure and sound education facilities. Understanding the importance of developing villages to fast-track India’s growth story, Tata Power’s Model Village initiative has started in line with the nation’s vision on developing model villages to build a stronger India, by partnering with the communities.

The objective of the initiative is to augment additional income sources by bringing villages to the mainstream of the development process, targeting key prioritised issues, and addressing them through collective engagement of key stakeholders, thereby, enabling the local communities to become self-sustaining.

The initiatives implemented here aim at enhancement of the economic cycle through an objective selection of villages based on the community consultation, establishment of grass root level functionaries, social mobilisation, improving access of existing government schemes and projects, identification and promotion of social entrepreneurs to create job-based growth at village level.

Keeping in mind the communities’ priorities, the trust executed a bottom-up approach for finalising and devising activities through need-based assessment and prioritization along with mobilization of resources. The holistic approach includes focus on education, livelihood support, animal husbandry, education, health, natural resource management and women empowerment.

**1st phase implemented across 10 select villages in the vicinity of Mumbai, Maval, Mulshi, Mundra, Maithon, Kalinganagar, Haldia, and Jojobera amongst others.**

**Target: 56 villages**

The programme is aligned to the Adarsh Gram Yojana of the Government of India with progress including micro-grid solar solutions to enable sustainable access to clean power in off-grid villages, promotion of livelihood development through dairy based cooperative and access and availing direct benefits of social security schemes particularly for tribals and marginalized communities.
KEY ELEMENTS OF A MODEL VILLAGE

**Sustainability**
- Better health - with special focus on maternal and child health
- Practical and smart education
- Housing and livelihood
- Capacity building of all stakeholders
- Clean drinking water and sanitation
- Environmental sustainability.

**Connectivity**
- Physical connectivity to towns and other places through roads
- Easy and cheap means of transportation
- Digital connectivity and mobile connectivity
- Augmenting power connectivity through off-grid renewable sources
- Financial connectivity.

**Technology**
- Delivery of government services
- ICT and space technology in the aid of farmers
- Remote sensing for resource mapping and better utilization of existing assets
- Land records modernization
- Biometrics for better targeting of services such as PDS, insurance, pension.

**Community Involvement**
- Planning for Village Development
- Mobilizing resources for the Plan, with active engagement with elected representative
- Monitoring the utilization of government funds to increase accountability
- Influencing personal and community behavior.

**Key Elements of a Model Village**
MODEL VILLAGES IN JHARKHAND

Dombhui near Maithon, and Sarjamda near Jojobera are the first villages to be created as Model Villages through Tata Power’s interventions. In FY’16, work facilitated in these villages is as follows:

1. With the aim of bringing the community together to work towards the village upliftment, few basic infrastructure needs were first put in place, such as roads, renovation of pond and the two ghats at Dombhui. 30 solar lights installed at social places such as chourahas and temples.

2. Education being the topmost priority, construction of “Upgraded Middle School, Dombhui” with all basic infrastructure and facilities, completed. Education Excellence and remedial coaching initiated.

3. Health and hygiene promoted through two health camps per week at Dombhui. RO plants have been installed for safe and pure drinking water, resulting in reduction of at least 20-25% of water related health issues in the village.

4. To meet the objective of inclusive and sustained growth, a fly ash brick enterprise has been initialised through mobilisation of two women SHGs and run by 20 tribals.

5. Total sanitation through construction of household toilets under CLTS model at Sarjamda.

6. Integrated farming activities and drip irrigation facilities with institutional Linkages at Sarjamda for sustainable livelihood.
KADACHIMATE ON THE WAY TO BE A MODEL VILLAGE

Kadachimate is a village in Jawhar district, Maharashtra with 100% tribal population. The average family income is Rs. 23,000 annually. Illiteracy and inadequate access to available resources force them to live a challenging life. 60% of the families are depending on Agriculture for a livelihood.

Tata Power implemented the following interventions to achieve better socio-economic status for this village.

- **Livelihood programmes** such as poultry farming entrepreneurship model, bee-keeping, tailoring, agriculture improvement and kitchen gardening. To improve technical skills, support to students to pursue courses from ITI Mulshi and TPSDI. Other skill improvement programmes like Plumbing and Masonry training conducted.

- **Education** support by bringing about awareness and value of education. Supply of school aids and support material. Involving students to improve enrolment rate of students.

- **Infrastructure development** by strengthening of community institutes like school and community hall. To address the water issues and bring maximum area under irrigation, integrated watershed development plan implemented with small check dam, earthen dam, gully plugging and boulder structures started. Solar panels and lamps installed.

- **Health camps** conducted (addressing gynaecological issues) regularly and medicines provided.

- **Sustainable & Inclusive growth** brought about by forming VDC of 11 members to address village concerns, producing corpus fund from community contribution and NGO support for developmental initiatives.

Caste certificate drive

- **100 caste certificates** awarded out of 350 applications

- **100 women** enrolled as SHG members

Energy efficient stoves provided to 36 families and LED bulbs to 60 families
The rains beckon good luck, happiness and new beginnings. Not so for the 310 households living in villages of Maval & Mulshi, Maharashtra. Rains mean further power cuts and days on end without electricity. This is, apart from the weekly load shedding that they have to bear!

Tata Power has taken up the responsibility of providing Solar Micro Grids to these villages. The micro grid installation is managed by the communities and uses a unique “pre-paid” model for utilisation.
PROMOTING SPORTING TALENT

Through our sports interventions, Tata Power has helped youth rediscover their full potential. Sports coaching has been initiated for youth in locations such as Mumbai, to hone skills in Hockey, Football and Athletics. While being engaged in team activities, the youngsters also gain lessons in leadership skills, decision making, time management and other skills.

As part of youth development of Tunda Village in Mundra, Gujarat, a fitness centre has been built to promote sports and fitness, and to include youth as part of institutional mechanism. A dedicated cricket ground caters to nurturing cricket talent as well.

At Mahul, Mumbai

15 girls being coached for under-18 hockey

12 boys being coached for under-18 soccer

4 full time coaches
Kabaddi Coaching introduced

150 members joined Tunda Fitness Club
Become a change agent through volunteering. If interested, write to us - Corporate CSR department, Tata Power Corporate Office, 4th floor, A Block, Sant Tukaram Road, Carnac Bunder, Mumbai 400009.
Employee Volunteering is a practice of employees working for a social cause without being motivated by financial and material gains. It is considered to be an altruistic activity, intended to improve the quality of human life. Employees get a platform to utilize their valuable time and skills for community welfare and for a deep sense of individual satisfaction, which enhances their leadership skills too. It was also observed that employee volunteering strives to balance the triple bottom line, profit with environmental and social responsibility. It understands the long-term business benefit of engaging with stakeholders, building a brand on values & integrity & being a net contributor to the society.

Employee Volunteering or deploying human resources & aligning their community involvement with the business focus brings together the employees, the organizational vision & community involvement. This employee volunteering practice formally started in Tata Power in 2007-08. The main thematic volunteering groups are Healthcare, Energy Conservation & Safety, Environment, Senior Citizen Homes and Education. Besides this, employees have also been using their technical knowledge creatively to impact a positive change in the society.
Tata Sustainability Group set up Tata Engage to institutionalize volunteering across the Group, in a manner whereby its efforts are invested in areas where they are needed the most and planned such that the outcomes are more fruitful and sustainable. Today, Tata Engage has emerged as a vibrant platform that kindles, nurtures and channelizes the volunteering spirit at Tata and amplifies outcomes by

- **Bringing together** - not only Tata employees, but also their families and retired Tata employees

  - **Connecting the volunteers** - with not only the causes close to their hearts, but also the NGOs who work towards the cause more competently

  - **Helping employees** - to donate not just their time, but also talent to bring about a greater difference

  - **Curating volunteering opportunities** - ranging from a one-hour experiential activity to a six-month professional project

- **Designing programmes** - that not only contribute towards community development, but also towards the volunteer’s professional and personal growth
Aligning with the company’s value of “Care for Community”, Tata Power has sowed and fostered community development by motivating employees for devoting skill-sets and time, under ARPAN - an initiative for employee volunteering.

The Tata Group has always supported social causes and encouraged employees to participate in various Initiatives which have panned across various cross sections of topics from Energy Conservation, Healthcare and Education etc. Currently there are 1000+ registered volunteers on the Tata Engage website across Tata Power.

To promote employee volunteering across all locations of Tata Power, Tata Power ARPAN Annual Awards have been constituted with the aim of institutionalizing efforts through employee volunteering and recognition of divisions for exemplary work in volunteering. An external jury panel is instituted to undertake the assessment of the Volunteering Applications from all locations and develop a framework for the same.

Haldia division bagged the maiden Tata Power Arpan Award in the year 2013 for the initiatives undertaken in the year 2012-13, followed by Jojobera and Trombay divisions for the year 2014-15 and Mulshi division in the year 2014-15.
Jnanendra Dwivedi works as Medical Officer at Bhira Division. Though he has been volunteering for CR initiatives since the past ten months only, he participated actively in various initiatives such as organization of malnutrition detection camp for small school going children, their identification and prescription of essential health supplements and proper dietary advice, screening of patients for cataract operations, anemia detection camp for the community and tree plantation.

Dwivedi says, “I participated in volunteering for screening of more than 100 young school children of various divisions for malnutrition and then prescribed those found to be malnourished, with vital health supplements and proper dietary advice to treat the deficiency disease.” He also participated in conducting awareness session on anemia for the nursing students at Head Works under CR activity. Dwivedi has also participated in conducting awareness session for the platelet donation program for cancer patients. He says, “I feel happy to help the community in need with the help of our company.”
Natwar Roy is a field engineer in the Operations department of Haldia Division. He has been actively participating in Tata Power CSR initiatives since 2013. Natwar believes, “No one can grow without a social community and that adaptive bond is our strength. Therefore, I’ll always try to give my time to the social community.”

Roy participated in the CR initiative at Jawhar, in Thane, Maharashtra, where he was actively involved in “Shram-Daan” to construct a road in the village. This village is inhabited by tribal community. Interacting with the Panchayat members and understanding about their livelihood, health issues, source of earning etc. has been a learning experience for him. According to Roy, his greatest learning from this engagement was to be patient and be able to listen more. Other initiatives in which Roy has participated are plantation at Haldia in line with the division initiative “Green Haldia”, wherein 500 trees were planted all across the location, Clean City and Health Care programs.

He states that the aim of volunteering is to bring people together and create bonds that will help us function better not only as a community, but also as individuals, both at home and our workplace. Volunteering tends to bring a smile on the faces of people whose lives we touch with our small deeds. Further he believes, “We all understand that we cannot change the face of the villages we visited in the few hours that we spent there, but our spirit of doing something good and meaningful for the society will only make us better individuals. And if this is achieved, we will be able to make this earth a wonderful place!”

“I believe no one can grow without a social community and that adaptive bond is our strength.”
Ashwini Kumar Patil is the Head of Bhira Hydro Power Station. He has been volunteering for CSR related activities since 2007.

“Starting ITI at Mulshi - Male was a great challenge for us. While local bodies obtained the necessary approvals, our task was to construct the building and procure the equipment required for running the institute. “

“We started this initiative 4 years ago, with specific programs targeted at students of Class 9. While we usually invite experts from various fields for the training, I myself have delivered lectures on two occasions. During these sessions, not only students but teachers were also present during the lectures.”

Regarding the yoga program, Ashwini says, “Tata Power runs a dispensary for employees and their families at Bhira. It was observed that the inflow from the neighbouring villages to the dispensary was increasing. Anticipating a good turnout for further health programs, we started yoga, meditation and deep breathing sessions at Mulshi and Bhira. Around 1800 villagers have benefited from these sessions till date. Issues such as back ache, head ache, neck ache, high blood sugar, high BP etc. got addressed at these sessions and people were relieved of pain. While the program will continue for another few months, we feel very nice and contended when people come to us after having waived off their physical discomforts and aches through yoga.”
Balasubramanyam works as the Group Head - Mechanical Maintenance Department at Bhira. He has been involved in the CR activities conducted by Tata Power since the last three years.

He recollects his experience, “A hamlet called Adivasi Wadi near our plant had no electric supply. Our volunteering team worked towards electrification of the village. The team studied numerous options, and zeroed down on the most viable solution of using solar powered system for electrification. The challenge was cost optimization, and we decided to fabricate all required structures in-house using scrap materials. We used up all our creativity and installed all the solar panels. This project was so much appreciated by the villagers that my team and I felt nothing would contend us more than serving the people or society.”

Balasubramanyam says, “I am a part of the blood donation team. I have myself been donating blood once or twice a year since past 8 years.

“It gives me immense pleasure and sense of satisfaction that being a human; I am helping in one or other way to save others’ lives. We also motivate others to donate blood and create awareness about blood donation. I have personally sensitized and encouraged my family members, my friends, employees, contractors and contract employees to donate blood. Some of my friends and family members are now regular blood donors. I have taken up this activity more as a responsibility rather than mere volunteering.”

Balasubramanyam says “These volunteering activities are helping in building the passion within us to serve the community; no other work can give you more mental satisfaction as community service.”
AFFIRMATIVE ACTION
Tata Power has endeavored to positively empower the lives of communities around its areas of operation. In line with the Tata Group belief that addressing the social needs of traditionally disadvantaged groups is the ‘right thing to do’ and as part of our nation building endeavor, the company has carved out a focused approach for the upliftment of these communities through Affirmative Action (AA). Tata Power has aligned its AA programs to Employment, Education, Essential Amenities, Employability and Entrepreneurship. The company has also recognized the importance of the Essential amenities, such as Social Infrastructure and Health facilities to support the development of the communities and achieve improvement in the quality of life of these communities. Affirmative Action in Tata Power efforts is aspiring to reach out to approximately 75,000 people.

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</tr>
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</table>

5 Es for the development of deprived communities particularly SCs & STs
Code of Conduct for Affirmative Action

1. Tata Power affirms the recognition that its competitiveness is interlinked with the well being of all sections of the Indian society.

2. Tata Power believes that equal opportunity in employment for all sections of society is a component of its growth and competitiveness.

3. Tata Power affirms the recognition that the diversity to reflect socially disadvantaged sections of the society in the workplace has a positive impact on business.

4. Tata Power will not practice or support conscious discrimination in any form.

5. Tata Power does not bias employment away from applicants belonging to disadvantaged sections of society if such applicants possess competitive skills and job credentials are made public.

6. Tata Power’s selection of business partners is not based on any considerations other than normal business parameters. In case of all business parameters being equal, the Company will select a business partner belonging to a socially disadvantaged section of society.

7. Tata Power will have a written policy statement on Affirmative Action in the workplace.

8. Tata Power will have an employment policy that is in the public domain. It may place such policies and employment opportunities on its website to encourage applications from socially disadvantaged sections of society.

9. Tata Power will make all efforts for upgrading the skill levels of employees from socially disadvantaged section of society by providing the required training/training facility.

10. Tata Power will have a partnership program with educational institutions to support and aid students from socially disadvantaged sections of society.

11. Tata Power will have a senior executive accountable to the MD to oversee and promote its Affirmative Action policies and programs. The senior executive will present a biannual report to the Company about such policies and programs.

12. Tata Power will also have a policy to maintain records on Affirmative Action.

13. Tata Power will make available its learning and experiences as a good corporate citizen in Affirmative Action to other companies desiring to Incorporate such policies in their own business.

Date: 2nd February, 2011

(Anil Sardana)
Managing Director
Set on the banks of the Mahanadi River in Odisha, Naraj Marthapur is predominantly a fishing and farming village. Tata Power has always endeavoured to improve the quality of life of the communities in and around its project areas.

The Siddheswar Agarbatti Production Centre was started as an initiative of Tata Power CSR in collaboration with ITC. The main objective was to increase the household income of underprivileged women in this locality.

Women working at this enterprise are given training on hand-rolling of the agarbattis, and later on the machines. Interactive sessions with different Government Officers and manufacturers are organised regarding their development and further employment opportunities. Tata Power provided pedal machines, raw materials and proper infrastructure to them under the Affirmative Action Programme. ITC now has a buy back agreement with the company, wherein they provide raw material as well as buy back the goods, thereby providing wages for the women.

**A DAUGHTER TO BE PROUD OF - BIMBALA SUTAR**

Lack of opportunity to education need not stop a girl from earning a good livelihood – this is what the story of Bimbala Sutar tells us! Coming from a family of poor fishermen, Bimbala is a 32 year old young woman determined to bring her family towards better days.

When Bimbala heard about the Siddheshwar Agarbatti Production Centre being set up in Naraj, she consulted the village co-ordinator and immediately joined the centre. Being hard working with high ethics, Bimbala fits in perfectly with the culture of the center. In spite of being educated only till Std 5, she learned the ropes of agarbatti production quickly. She can now roll about 20-25 kg agarbattis in a day and earns Rs 3000/ month. Her income is a great help to her family, especially for buying medicines for her parents. Bimbala supports her family for their day to day expenses in judicious manner.

When asked about her affinity towards the centre, she replies, “This agarbatti center is indeed a blessing for me and my family!”
Kalinga Institute of Social Sciences (KISS) is the largest residential institute for tribals in the world, providing accommodation, food, health care, education from Kindergarten to Post Graduation, vocational training and all other basic amenities of life, including job facilities after completion of education. Industrial Energy Limited has identified 20 tribal girl children from nearby villages of Kalinganagar and joined hands with the KISS for their education from standard 4th to 10th. Students are provided with all facilities such as food, clothing, medicines, study materials, books, note pads, etc.
Tata Power Club Enerji (TPCE) is an Energy & Resource Conservation Club that focuses on bringing about a first-hand realization of the energy crisis and scarcity of natural resources in the country. With the increasing demand for energy, effective management and conservation of the same has become the need of the hour. Recognizing the immense value that schools and school children can bring to the initiative and taking due consideration of this urgent need, Tata Power started "Tata Power Club Enerji", to propagate efficient usage of energy and to educate the society on climate change issues in 2007.
In 2016, Club Enerji broadened the horizons to make it expansive, leading to deeper penetration in India and internationally. The aim is to contribute towards disaster management preparedness, nation building by creating responsible citizens who will focus not only on conserving energy and natural resources (like fossil fuel-coal, oil, gas, water, managing waste, afforestation) but also imbibe civic and moral values. This year Club Enerji has undertaken the unique initiative of urging children to manage disasters & pledge to become better citizens.

In the year 2015-2016, Club Enerji has saved around 3.06 million units and sensitized 3.5 million citizens.

"Tata Power Club Enerji has motivated us to save energy in many ways. I and my fellow classmates have formed groups to ensure energy in our school is being utilized properly. After school, we students go and check each and every classroom to see if lights and fans are on or off. I would like to see my school becoming more energy efficient."

We approached Tata Power to help us with an energy sensitization programme in our school. Club Enerji (the Tata Power Energy Conservation Programme), a Tata Power initiative, responded with a one-day workshop in our school. The resource person enlightened the students of all classes age-wise and batch on tips on energy conservation, lights, appliances, water, garbage etc. The students were told about the need for saving energy, valuable tips on the methods of saving energy, and they were also shown a documentary on the relevant topics. They have also been assigned the task of putting into practice the energy saving tips at home and compare with the before and after electricity and water bills. A very good starting.
ACT FOR MAHSEER

Mahseer is a fish acclaimed all over the world for being an outstanding game and food fish of India. Declining quality of habitat due to Industrial and human pollution leading to loss of breeding grounds and other reasons have caused the near-extinction of this species. As a part of Tata Power’s eco-restoration and eco-development programme, conservation of this species was undertaken in 1975.

The conservation was facilitated through ecological improvement of the lakes, for food and sport and for breeding, conserving and rehabilitating the endangered. The company set up a breeding center at Lonavla and has also established standard techniques of breeding the Mahseer species post in-depth research breeding over several lakhs of fingerlings. Till date, the company has produced in excess of 10 million seed of Mahseer and distributed them all over India. The hatchery continues to breed over 3 to 4 lakhs of fingerlings every year whereas the breeding center is the only one till date which breeds and supplies fingerlings to various states in India - Maharashtra, Karnataka, Punjab, Rajasthan, Andhra Pradesh, Haryana and Assam. Over time, around 300 scientists have been train to continue the conservation efforts.
SPECIAL INITIATIVES
On 17th January 2016, a Sunday morning, a horde of Tata Power volunteers ran on the streets of Mumbai pledging their support towards cancer patients battling for life at the Tata Memorial Hospital. It was the day of the Mumbai Marathon. A most dreaded disease, the mystery around cancer is compounded by the fact that it stays undetected for long, and the treatment is unaffordable by many.

About a 100 volunteers have also been spending time to spread awareness about cancer.
FLOOD RELIEF - CHENNAI

The 2015 Chennai floods resulted from heavy rainfall generated by the annual northeast monsoon in November-December 2015. They affected the Coromandel Coast region of Tamil Nadu and Andhra Pradesh, and the city of Chennai was particularly hard-hit. More than 500 people were killed and over 18 lakh (1.8 million) people were displaced.

Tata Power took up relief efforts at the ground level in the worst affected areas. From arranging supplies like water bottles, snacks, milk, mosquito coils and medicines, to emergency essential materials like tarpaulins and woolen blankets, Tata Power volunteers worked at the back end to reach relief materials to the disaster hit areas. Emergency Medicines and health drinks were distributed at the health camp. Critical relief materials were also distributed to the flood affected people at one of our project sites, where 2000 families benefitted from the initiative.
Clubfoot is one of the most common physical disabilities in 2 lakh newborn infants globally. It twists the feet inward, making walking difficult or impossible. In India more than 50,000 children are born with Clubfoot every year.

Tata Power has partnered with MiracleFeet to support 200 children in areas of Dehradun, Almora, Nainital and Haridwar (Uttarakhand) to address the issue of Clubfoot from an equity and social inclusion perspective.

Kavita and Ram Mendhe are illiterate parents of little Padmini. Kavita says, “We came to Mumbai with the determination to treat our daughter at all costs but did not have any idea about where to go and stay. St. Jude has given us hope and we are happy with the facilities provided by the organisation. My daughter Padmini, is a strong willed girl - she is very happy to be here.”

Tata Power has taken up the initiative to support St. Jude’s in the caregiving of the children and offering support system for their families. This initiative includes conducting of sessions on educational topics, art and craft, reading and story telling, nutrition, celebration of various festivals and international days, etc. The objective is to bring happiness and celebration into their life at St. Jude’s - that would make their battle with cancer easier.

Some activities are also centred around parents, where they work on the upkeep and maintenance of the centre’s and premises, cleaning and planting of saplings, growing organic vegetables.

The Chief of Field, UNICEF, Mr. Gopinath T. Menon also appreciated the efforts put in by the trust, expressing that the support we can give these families, can go a long way in helping them cope up with their struggles.

KAVITA AND RAM MENDHE

A MIRACLE PUTS 200 CHILDREN ON THEIR FEET!
Bombay Society for the Prevention of Cruelty to Animals (BSPCA) established in 1874 has given relentless service to all types of sick and injured animals.

Tata Power is supporting BSPCA towards achieving common goals such as:
- Improved citizen participation for the cause
- Improved immunization and rehabilitation of animals
- Involvement of Civil Society by capacity building to augment efforts in times of natural disasters.

NEW INTERVENTIONS

SUPPORT TO BSPCA

Tata Power’s new health intervention, in collaboration with TISS (Tata Institute of Social Sciences) - Saksham ‘Jan Urja’ - is a project that aims to enhance TB awareness, TB treatment literacy, and create an enabling environment leading to early TB diagnosis and higher TB treatment adherence, in Chembur and nearby areas in Mumbai.

The project evaluates the role of community engagement and psycho-social interventions in TB awareness and treatment, through special counselling and linking with social protection services.
Community engagement is defined as community working collaboratively with the organization, through continuous interaction & involvement to create shared sustainable goals for the future. The Engaged community members are motivated to assist the organization in its business purpose and take a position that is of mutual benefit.

The Community Engagement Index (CEI) helps to determine engagement levels of the various stakeholders across the stages of the CR intervention. The purpose of this assessment is to develop a tool to measure the Community Engagement Index (CEI) for different CR initiatives undertaken by Tata Power.

<table>
<thead>
<tr>
<th>Model</th>
<th>Approach</th>
<th>Description</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>Responsible</td>
<td>Who is responsible for carrying out the initiative?</td>
<td>5</td>
</tr>
<tr>
<td>A</td>
<td>Approve</td>
<td>Who is the person to approve/monitor the initiative?</td>
<td>4</td>
</tr>
<tr>
<td>S</td>
<td>Support</td>
<td>Who is going to support in the initiative?</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Consulted</td>
<td>Who are consulted during the initiative?</td>
<td>2</td>
</tr>
<tr>
<td>I</td>
<td>Informed</td>
<td>Who are informed about the initiative</td>
<td>1</td>
</tr>
</tbody>
</table>

RASCI Model stands for Responsible, Approve, Support, Consulted and Informed, was customized to determine engagement levels of the various stakeholders across stages of CSR intervention. Model was developed in engagement with Berkley University-Intern and ACERS - Tata Power. This was based on discussions with academicians and internal CSR team to evolve a framework which would go beyond just service delivery and allied satisfaction, to measure the efficacy of engagement with community in CSR program planning, implementation and ownership keeping the Sustainability Model in mind. The element of Sustainability of CSR Programs is the intrinsic part of CSR Strategy and hence this index would offer gainful trends once in 3 years on engagement levels at different point of time across Locations. In next year, 6 locations would complete 3 years cycle of integrated CSR programs and would be measured by this Index.
Please spend a few minutes on this form so we can further improve our performance.

1. Is the information provided in the report adequate?
   - It’s more than enough
   - Yes, it is precise, not too much; not too little
   - No, more details could have been provided

2. What do you think about the structure of the report in terms of content?
   - The report is well structured with a good flow linking the information
   - The report structure is good but can be better
   - The report can be redefined with a better flow and objective

3. How would you rate the initiatives taken up by Tata Power?
   - Excellent
   - Very Good
   - Good
   - Needs Improvement

4. Please suggest areas where improvement is required.

5. Rate the report in terms of design and layout
   - Excellent
   - Very Good
   - Good
   - Needs Improvement

Name: _______________________________ Designation: _______________________________
Organization: _______________________________ Contact: _______________________________
Address: _______________________________
E-mail: _______________________________

You can also email your feedback at janet.alexander@tatapower.com or write to:
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