About the Trophy

The trophy reflects the need for unity in this world. To sustain the environment, a broad-based alliance between industry and society is required globally. As a result, sustainable development has become a priority for businesses around the world.

The responsibility towards environment rests on our shoulders, as it signifies in the design of trophy. The figure cradling the globe reflects the need for unity and responsibility when pursuing economic growth, while the leaves surrounding it represent both growth and the environment. The figure's arms are raised to the sky, symbolising the future that we must confront daily.

Metal has been chosen as the material for its properties of lustre, beauty, smooth finish and malleability, and because it is a recyclable material - thereby sustainable from a lifecycle perspective. After all, the world is an inheritance that we will leave for the generations to come. It is a legacy that we have borrowed from them.
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Assessment Methodology

The Awards adhere to a transparent and rigorous assessment process based on the Sustainability Excellence Assessment Model, developed using the following frameworks:

- **Enablers**
  - Leadership
  - Internal Stakeholders
  - External Stakeholders
  - Key Resources

- **Results**
  - Learning & Innovation
  - Results:
    - Internal Stakeholders
    - External Stakeholders
  - Key Performance Results

**Learning & Review**

The assessment is conducted over a period of six months by a pool of CI-certified Sustainability Assessors from diverse professional backgrounds that spend approximately 1,000 man-hours per application. The results of each assessment are reviewed by a pre-eminent Jury, comprising former bureaucrats, representatives of government, civil society and academia, at two stages before a final decision is taken.

Methodology is adapted from the internationally acclaimed European Foundation for Quality Management (EFQM) approach wherein equal weight is assigned to ‘Enablers’ and ‘Results,’ indicating a cause-effect relationship.

Assessment is based on around 250 indicators which cover 15 aspects of sustainability. The assessment has been made more comprehensive to include aspects such as Business Ethics, Employee Development, Human Rights and Biodiversity.

For companies that do not qualify the preliminary stage, no feedback report would be provided to the applicants. Feedback report is provided to the applicants in two phases. For companies that do not qualify for site visits, feedback reports are provided after desk assessments are over. This is around November 2019. For companies that qualify for site visits, feedback reports are provided after the end of the Awards cycle. This will be around December 2019.
AWARD CATEGORIES

Corporate Excellence

This Award recognises comprehensive efforts companies make in excelling at sustainable business. It expects companies to integrate sustainability into governance, strategy, business processes and demonstrate through results that sustainability is making an impact on its business and relevant stakeholders.
NTPC LIMITED

- NTPC Limited is an Indian public-sector undertaking, engaged in the business of generation of electricity and allied activities. The headquarters of the organisation is situated at New Delhi. NTPC’s core business is generation and sale of electricity to state-owned power distribution companies and State Electricity Boards in India. The total installed capacity of the organisation is 49943 MW (including JVs) with its own 18 coal-based and 7 gas-based stations and 6 coal based, and 1 gas based in JV/Subsidiary Companies, located across the country. Also 1 Hydro based station and 1 Wind based station. 9 Joint Venture stations are coal based and 11 Solar PV projects.

- The organisation has a robust mechanism for risk management and has identified strategic, operational, compliance, financial and regulatory risks and developed mitigation plans to deal with the risks. The Board reviews the risk management process at least once every six months. The organisation has appointed Chief Risk Officers other than the CFO. This ensures double screening of risks, first at the level of compliance officer followed by a review by the Board. It also makes way for an independent view on management of risks.

- The organisation has a comprehensive process to identify training needs (derived from diverse sources through a nine-pronged extensive TNA process) and development and periodically reviews the initiatives and performance. The organisation has financial, non-financial, value-based metrics in place to measure training effectiveness and has a quarterly review mechanism in place. 84% top management and 74% middle management are trained in skill development programmes. The company measures attrition rate as one of the major indicators of Learning & Development (L&D) success. The attrition rate is very low, and most employees chose a lifetime career with the company. Senior leadership lays strong emphasis on L&D. CEO and Board members have identified Learning as one of the core values.

- NTPC has diversified its power production through renewables including solar and wind which are sustainable sources of energy. Fly ash is another product generated from the plants which is being used sustainably as part of its circular economy agenda, thereby avoiding the use of fresh and virgin materials in cement, bricks, road and mine void filling. This initiative is also freeing up acres of land which was earlier used for storing fly ash.

- The organisation has a Sustainability Committee at the Board level to steer the sustainability initiatives. the company has developed its specific sustainability strategy, “Sustainability Plan 2032”. Sustainability performance is regularly reviewed and monitored by Top Management through board meetings/CSR and SD committee and Risk Management Committee. Key sustainable development projects such as renewable energy projects, water conservation programmes/ecological services/biodiversity conservation and community empowerment are gauged on defined set objectives and deliverables.

- The products/services that are designed/modified to improve the environment characteristic are: use of fly ash geo-polymer for tetrapod demonstrated at Simhadri and FG duct modification carried out in 19 Units of 7 Stations and CW System modification carried out in 5 Stations leading to savings in auxiliary power. NTPC is the first company to venture into Air Cooled Condenser technology for its 660 MW North Karanpura Project replacing water cooled condenser.
ACC LIMITED

ACC Limited (Formerly the Associated Cement Companies Limited) is one of the largest producers of cement in India. The management control of company was taken over by Swiss cement major Holcim in 2004. The Company is the only Cement Company to get super brand status in India. The company has approximately 20 cement factories, more than 50 ready mixed concrete plants, and a distribution network of over 9,000 dealers and a range of sales offices.

The organisation publishes an Integrated Report in accordance with GRI Standards, SEBI guidelines on Business Responsibility Reporting and IIRC framework. This report is externally assured in line with international standards such as AA1000 and ISAE 3000. ACC carries out materiality analysis by seeking stakeholder feedback, prioritising them into social & environmental aspects. It then evaluates them from the risk perspective and their impact on business. It has identified the top 5 material issues-compliance, health & safety, customer relationship management, energy and climate and has devised a strategy to mitigate their impact on the business.

The organisation has a structured stakeholder engagement process with appropriate categorisation, levels of identification and prioritisation of stakeholders, analysis and remedial measures thereof. ACC has also considered future stakeholder groups such as school students during stakeholder analysis and engagement plan. Apart from stakeholder engagement at the corporate level, as per the Group’s Stakeholder Engagement Directive, the management of stakeholder engagement takes place by definition at the level of the site. Each site manager is required to put in place a system for organizing stakeholder engagement in compliance with the Corporate’s commitment.

The organisation is committed to sustainable products- 88% of total cement sales are comprised with blended cements such as PPC & PSC. These products basically consume industrial wastes like fly ash and slag, thus reducing environment impact on account of disposing these waste materials. During the year 2018, the company completed the LCA for all blended cements (which is 88% of total cement portfolio) and obtained the EPD and Greenpro certification. As per LafargeHolcim guidelines, 39% ACC’s net sales are from sustainable solutions which is highest percentage in Asia and one of the highest percentages across the globe.

The organisation has an Environment Management System and all its plants are ISO 14001 certified and environmental risks and opportunities have been identified and action plans drawn up to address the same. The EMS performance is also reviewed by top management / Board- EXCO committee, headed by the MD and reviews the environment performance on a quarterly basis. There is measurement of NOx, SOx, CO₂ (Scope 1, Scope 2, Scope 3) emissions and this is verified / assured by a third party. The organisation uses an internal pricing on carbon which makes renewable energy projects and energy projects more financially viable. Rationale for employing carbon pricing helps ACC in quantifying environmental negative impact in monetary terms thereby giving future projections / perception about the feasibility of operations.
GRASIM INDUSTRIES LIMITED;
JAYA SHREE TEXTILES & VIKRAM WOOLLENS

- Grasim Industries Limited is an entity in the textile sector of the Aditya Birla Group of companies. The Textile Business consists of: Jaya Shree Textiles (JST), Grasim Bhiwani Textiles Limited (GBTL), and Vikram Woolens (VW). JST based in Rishra, West Bengal and established in 1949, is a player in the Linen and Wool segment. GBTL, based in Bhiwani, Haryana, was acquired by ABG in 1964 and is predominantly in PV blended products for the men’s and women’s wear segment. And, VW, based in Malanpur, Madhya Pradesh, was established in 1995 and produces a variety of spun yarn in wool and blends.

- The organisation has a well-defined process for identification of risk through risk maps and risk matrix analysis, categorized them and also developed a long-term mitigation plan to address these risks. Business risk meetings take place half-yearly under the CFO, where new risks are identified as per the changing business environment, mitigation plans are developed, and progress is reviewed.

- The organisation has committed & adopted various health & safety standards as part of its operations which, backed by an audit mechanism ensures that 100% of the sites are covered. The Group Safety Head, under the guidance of CSO constantly provides support and guidance to manage the working practices. At the units there exists a Central Safety Committee and area wise Safety Committees to monitor and review the progress of the various initiatives taken. This ensures unsafe conditions and practices are eliminated with regular identification of near miss incidents and through Safety Behaviour Observation rounds. The status of LTIFR is an important agenda of the Central Safety Committee Meeting.

- The organisation has developed a policy reiterating its commitment to respect human rights (Human Rights Policy) in line with the requirements of The United Nation’s (UN) Guiding Principles on Business and Human Rights, The International Bill of Human Rights; and the principles concerning fundamental rights set out in the International Labor Organisation’s (ILO) Declaration on Fundamental Principle’s and Rights at Work.

- The organisation has adopted various international parameters like OekoTex Standard 100, AWTA and European Flax Logo to trace the impact of its product on the environment and has put in place various measures to ensure the development of a sustainable product line. LCA is conducted in accordance with ISO14040:2006 and ISO14044:2006.

- The organisation has turned the Linen process waste into a product branded as Cavallo for apparels and Mazury for fabrics. Currently they are making approx. 8 Lakh metres of fabric from noil / soft waste in FY 19 and plan to utilise the noil / soft waste to approx. 20 lakh metres of fabric by FY20. Also, bleaching process in Linen spinning plants have been modified to increase production capacity by 20% with the use of same utility consumption.
HINDALCO INDUSTRIES LIMITED

• Hindalco Industries Limited, together with its subsidiaries, produces and sells aluminum and copper products in India and internationally. It operates through three segments: Aluminium, Copper, and Novelsis. The company offers various aluminum products, including aluminum extrusions. The company also provides copper products, including copper cathodes and continuous cast copper rods. In addition, it extracts precious metals comprising gold, silver, selenium, platinum, and palladium; operates an all-weather jetty in the Gulf of Khambhat on the west coast of India; and produces diammonium phosphate and nitrogen phosphorus potassium complexes, as well as sulfuric acid, phosphoric acid, and phospho gypsum. Hindalco Industries Limited was founded in 1958 and is based in Mumbai, India.

• The organisation has a robust Training Needs Identification process in place with trainings imparted through Hindalco Technical University and Gyanodya for leadership development and life skill trainings covering employees at all levels and the effectiveness of the training is monitored by the top management along with the Executive Committee twice a year. The employee friendly policies and career growth prospects resulted in reduction of total employee turnover from 10.5% to 6.10% compared to last year.

• The organisation publishes a Sustainability Report in accordance with GRI Standards, SEBI guidelines on BRR, UNGC and SDGs and is externally assured in line with international standards such as AA 1000 and ISEA 3000. Materiality assessment for Aluminium and Copper businesses have been separately carried out by engaging with relevant stakeholders.

• The organisation has a well-developed OHS Management System wherein all the OHS risks are identified (Job Safety Analysis used for human related risk and HAZOP for process related risk) and managed and ultimate responsibility for OHS performance lies with a Board member. Also, 100% of the employees are trained in OHS and assigned with OHS targets w.r.t training, reporting near misses and regular reviews are carried out.

• Hindalco has an Environment Management System in place which encompasses climate change, energy use, water consumption, and resource efficiency. The organisation has invested in ensuring capacity building of its employees w.r.t training, sourcing of green material, using recycled raw materials, as well as increasing renewable energy usage. The organisation is committed to green sourcing and 87.6% of raw materials are sourced sustainably. The company has developed aluminium gas cylinders which are light weight leading to lesser weight during transportation, aluminium railway wagons & fly ash bulker bauxite residue is being used as a raw material for manufacturing roofing sheets and paver blocks.
HERO MOTOCORP LIMITED

• Hero Motocorp Limited, formerly Hero Honda, is an Indian motorcycle and scooter manufacturer based in New Delhi, India. The company is the largest two-wheeler manufacturer in the world, and in India, where it has a market share of about 46% in the two-wheeler category. Hero MotoCorp has five manufacturing facilities based at Dharuhera, Gurgaon, Neemrana, Haridwar and Halol.

• The organisation publishes its Sustainability Report every year in accordance with GRI G4 Guidelines / GRI Standards, SEBI guidelines on Business Responsibility Reporting. The Sustainability Report is assured by an external assurance provider in line with international standards such as AA1000 and ISAE 3000. It has developed its sustainability strategy in-line with the SDGs.

• The organisation has conducted a materiality assessment, with the help of a third party, following a defined process of identification, prioritization of relevant issues on the basis of severity of impact, nature, extent, and scale, and engagement with external and internal stakeholders. The company has identified the following as key material aspects: Water conservation, Energy and GHG management, Waste management, Responsible Supply Chain, Diverse Workforce. It has also developed appropriate strategies, metrics and targets to handle these issues.

• The organisation commits to Occupational Health & Safety though OSHAS 18001/ISO 45001 and a Board member has the ultimate responsibility. Hazard identification is done through a structured and documented procedure namely “Hazard Identification and Risk Assessment” (HIRA) where all the risks are captured and assessed. To identify the various hazards, a monthly safety meeting is conducted in every department and one at the site level. Near miss reporting is highly encouraged and all incidents are investigated for finding out the root causes with Corrective & Preventive Actions (CAPA).

• The organisation has an environmental management system in place and 100% of sites are certified with ISO 14001. Top management reviews environmental performance and evaluates its environment management process systematically at each manufacturing site, annually. The organisation is committed to green sourcing and 100% of the raw materials are sourced sustainably. All plants are equipped with Zero Liquid Discharge (ZLD) facilities and designed considering Treated Waste Water, UF Reject & Softener Regeneration as the Feed Source. Recycled water from ZLD is used in the paint shops.
AWARD CATEGORIES

Domain Excellence

Environment Management
The Award recognises companies that have employed innovative approaches, including policy and practice, to reduce their environmental impact and achieved exemplary results.

Corporate Social Responsibility
The Award recognises companies that have positively impacted both business and society by taking a strategic approach to CSR through collaborative programmes with government and civil society into their sourcing, procurement and distribution channels.

Biodiversity
The Award recognises companies for implementing measures for conservation and sustainable management of biodiversity and ecosystem services in the value chain.
Kirloskar Brothers Limited is a pump manufacturing company involved in engineering and manufacture of systems for fluid management. Established in 1888 and incorporated in 1920, KBL is the flagship company of the $2.5 billion Kirloskar Group. The market leader in fluid management, KBL provides fluid management solutions for large infrastructure projects in the areas of water supply, power plants, irrigation, oil & gas and marine & defense. The company engineers and manufactures industrial & petrochemical, agriculture & domestic pumps, valves and hydro turbines. The company has entered its 100th year of Incorporation.

To reduce their carbon footprint, the organisation has invested in solar PV panels at manufacturing plants of subsidiaries and the corporate office. Total installed capacity of solar panels is 4500 KW, in addition to wind power installations made in the previous years, contributing towards green energy.

The company has incorporated product innovation to reduce life cycle cost of the pump with many environmental benefits like material conservation, minimising waste, reducing the GHG footprint in the entire life cycle, strong R&D of new product, products of national importance in defence and nuclear applications.

The organisation has dedicated manpower resources for conducting product life cycle analysis of products from the environmental perspective, including raw material acquisition, production, transportation/delivery, use, end-of-life treatment and final disposal. LCA is carried out to mitigate the environment impact by introducing the following characteristics: 1) light in weight and compact in design 2) consumption of less energy 3) address electric overload issues and thereby premature failure. Besides there is reuse of material, recycling of scrap, use of alternative material and use of efficient processes.

The company has management systems and internal audit processes to assess, prevent and mitigate potential EHS risks to the workforce at manufacturing facilities. Moreover, there is screening of suppliers and their working to enhance environmental and social performance throughout the supply chain and to promote responsible use of products. Adequate information is provided to the customers regarding the use of the products and extending “Energy Audit Services” portfolio, which helps improve their environment footprint and move towards a low carbon path.

The company has installed a 3000 KW rooftop solar plant, wind power mill of 6 MW capacity, solo tube to increase day lighting and solar LED street Lights. There has been an improvement of coke to metal ratio by modification of cupola to warm blast. Coke to metal ratio has improved to the tune of 1:8.5 to 1:9.05 within last 2 years. With the installation of Omegas and mixer in foundries, 75% of sand is reused and by introduction of patternless moulding, use of raw materials for pattern is eliminated.
Ambuja Cements Limited is engaged in the manufacture of clinkers and cement. Currently Holcim group holds 61.62% of shares in Ambuja Cements. The organisation operates through cement and cement related products segment. The Organisation has a range of products for the business to business and retail markets.

The company provides due importance to Health & Safety (H&S) standards, which has resulted in 7 sites recording Zero Lost Time Injury (LTI), while 2 plants accomplished ‘Zero harm’ in 2018.

The organisation has 100% of its sites certified to EMS. Additionally, 100% raw materials are obtained through green sourcing.

The organisation has developed Environment Product Declaration (EPD), the most reliable eco-label, for their main product Portland Pozzolana Cement (PPC) which constitutes about 62.2 % of their production. This in line with the product category rules developed by Cement Sustainability Initiative (CSI). Besides, the company has adopted various sustainable initiatives like water harvesting, recharging & EcoCement production etc.

The organisation has installed Low NOx Burners for kiln firing at all their three kilns. They have changed the fuel mix, instrumental in NOx emission. Air Pollution Control equipment has been modified and converted to bag filters. It has replaced Cooler ESP to control Cooler Dust emission and replaced single phase transformers with three phase transformers in ESP to control dust emission.

The company is tracing their water footprint by effective measurement of industrial & domestic water consumption at each section by digital meters and reducing their water consumption by various innovative interventions. The company is now more than 6 times water positive and Ambujanagar is 16.219 times water positive in 2018

The company's CSR arm, Ambuja Cement Foundation has worked extensively to manage precious water resources and promote water conservation. In the cyclic drought prone region of Kodinar (Gujarat), it has worked for more than two decades to mitigate the threat of salinity on the livelihoods of the surrounding community. The Foundation worked on water harvesting, enhancement of water sources and creation of a distribution system for potable water. Percolation-wells check dams and Roof Rain Water Harvesting Structures (RRWHS) were installed; and low water intensive crop farming was adopted.

The Foundation is working extensively with farming communities on better farming techniques and water management practices such as micro irrigation, thus improving the quality and sustainability of their lands. As a result, the farmers of Kodinar are now reaping up to three crops a year.

The organisation has established “Geo20 Platform” facility for solid waste pre-processing for hazardous and non-hazardous waste. In 2018 - 2019, they have co-processed around 96,787.31 metric tonnes of hazardous and non-hazardous waste at the Geocycle facility. There is 100% utilization of fly ash and bottom ash generated from Captive Power Plant in the cement manufacturing process.

In 2018, the Foundation reached out to total 1,75,000 farmers through the agricultural livelihoods programme. In 2018, it completed construction of 425 check dams, 6684 RRWHS, treated 25209 hectares for watershed development.
Grasim Industries Limited; Grasilene Division are producers of pulp, mechanical pulp, paper and board. The organisation has adopted standards OeKoTex 100 and USDA Bio based certification to ensure its commitment to developing a sustainable product line. At the end-of-life, the products do not harm the environment as they are certified for biodegradability (in soil, water or marine environment) and compostability (in home and industrial conditions).

The company’s pulp unit is 90%+ energy efficient from renewable energy sources such as Lignin and Biogas generated from the process. As both pulp & fibre manufacture process are highly intensive, Grasim is conserving water, energy & other raw materials. The generated wastewater is treated in tertiary clarifier before discharging. The fibre plant is highest in salt recovery & has the lowest chemical consumption, thus having the least impact on environment.

Grasim has an IT based tool Enablon where in ENHESA (Environment, Health & Safety) module is integrated to track non-compliance and regulatory changes are updated.

Grasim’s fiber production site operates according to a certified quality management, environmental management, and occupational health and safety system (ISO 9001, ISO 14001, OHSAS 18001). The company follows the law of the land from fair wages to collective bargaining, which safeguards labour rights. Product stewardship is through OekoTex 100 & USDA Biobased Certifications.

The company creates the highest quality, eco-friendly fibre in the world. Their products are made from wood cellulose through a process that converts wood to cellulosic staple fibre. Wood is not only a renewable source but also contributes to a better carbon balance by capturing carbon-di-oxide (CO₂), thus reducing climate change impacts.

GHG footprint of different processes have been identified and GHG reduction carried out via reduction in energy consumption. Grasim uses the wood from certified forests which ensures that negative impacts on local population are avoided.

The company is a pioneer in water management and has achieved lowest water consumption in the viscose industry by applying reduce, reuse and recycle principles in the closed loop manufacturing process. Viscose consumes much less water compared to cotton and increasing use of viscose in cotton blends is helping in reducing the water footprint of the textile industry and reducing the pollution loads.
Ambuja Cements Limited, a part of the global conglomerate LafargeHolcim, is one of the leading cement companies in India. Maratha Cement Works (MCW), commissioned in 2001, is situated at Uppawahi, 18 Km from Rajura in Chandrapur district of Maharashtra State. The global cement major Holcim acquired management control of ACL in 2006.

- The company has a well-defined environmental governance system, eco-friendly product and compliance system for environmental norms. The organisation uses High-Density Polyethylene (HDPE) bags for packing cement; it also uses bio-degradable paper bags for selected cement markets. As it is not possible to collect cement bags from markets, the company co-process more plastic wastes collected from other sources than the quantity of HDPE bags it uses. The company has also started cement dispatch through closed bulker to customer site thus avoiding use of packaging material and reducing the environmental impact of transporting goods and materials.

- The organisation has started reporting its Scope 3 emissions. It has installed Geo-cycle facility wherein the waste product from other industrial and non-industrial sources is recycled, thus reducing the carbon footprint and saving fossil fuels.

- The organisation utilizes 100% of fly ash & bottom ash in cement manufacturing generated from thermal power plants (which otherwise would have posed a severe disposal problem in form of solid waste), sourced from nearby power plants. It is not only converting it into useful products but also saving 32% less natural resources like limestone by increasing the mining life by utilising more & more waste fly ash. ACL also provides sustainable waste management solutions through AFRs. The company has obtained TSR 8.17% in 2018 and earned 65.4 INR millions from waste management services. Upto 5% of their revenue is invested for R&D projects.

- Owing to the scarcity of water, which is required for the company operations for use in cooling, dust suppression, and domestic needs, the company has stepped up measures for reduction in water consumption per ton of product together with augmentation in rain water harvesting in plant areas/townships/mine pits and structures in nearby villages and in the community.

- The company has installed AFR co-processing unit for utilization of plastic, industrial & hazardous waste from different industries as alternative fuel. The company also co-processes biomass in its kilns. Thus, contributing not only to sustainable products but also providing sustainable environment friendly waste disposal solutions through AFR utilization.
ONGC Tripura Power Company (OTPC) also known as Palatana Power Plant, is a thermal power plant station in Palatana, Tripura. It is ONGC’s first power plant in India & also the biggest plant in Northeast India.

The organisation has set up 726.6 MW gas based combined cycle power plant to produce clean power. Electricity is generated by burning natural gas which is 94-96% methane and is the cleanliest fuel. OTPC supplies clean and reliable power at a competitive rate compared to other power generating stations of similar capacity.

The organization conducts LCA for 100% of its products/services and it is in accordance with ISO14040:2006 and ISO14044:2006

All critical activities relating to the generation of electricity, such as auxiliary power consumption: timer based light on/off facility, solar streetlight and garden light, optimization of cooling tower fans operation etc. are monitored. ONGC is improving the station heat rate (which is total heat energy required to produce one unit of electricity), along with the energy loss minimization programme for improving heat rate. Besides, water consumption targets are also monitored. Flow meters have been installed along with the measurements portable meters to check and verify the accuracy.

The gas turbine burners are designed to generate less NOx, to have the emission of NOx well below the stipulation of 50 PPM as per CTO. The efficiency of combustion is also very high. Thus, the CO2 emission from the project is less compared to same capacity thermal power plant. They also have online combustion monitoring facility which analyzes the combustion phenomena inside gas turbine.

Packaging material used for gas turbine equipment transportation are reused, resulting in 100% reduction in waste generation.
Established in 1995, Kings International Limited has made a name for itself in the list of top suppliers of Leather Wallets, Pet Products in India. The supplier company is located in Kanpur, Uttar Pradesh and is one of the leading sellers of listed products.

The company has an environmental management system in place integrated into multidisciplinary company-wide risk management process audited by Leather Working Group (LWG) of UK for environmental protocol. Management systems such as ISO 9000, ISO 14000, OHSAS 18000, SA 8000, PAS 7000 & LWG Environmental Protocol are well in place & being practiced religiously.

The organisation has adopted various methods of water saving through (3R Mechanism), water reduction, re-cycling & re-using treated waste water & also by conserving water through rain water harvesting and monitor the underground water level on a daily basis by installing Piezometer as required by Central Ground Water Authority. The sustainable Electro Oxidation Process enables to recycle & reuse entire waste water for further leather processing, thereby ensuring a Zero Waste Water Discharge (ZWD) tannery in the region at a much lower operational cost as compared to the capital intensive ZLD technology having RO & MEE plants and also having much higher O & M (Operational & Maintenance) cost due to the frequent change of RO membrane. Moreover, ZLD technology has another inherent problem of generating RO reject which is very difficult to dispose-off.

The tannery has already installed ‘Rain Water Harvesting System’ with integrated filtration function for water conservation. The rain water catchment area is approx. 35,000 sq.ft. and about 7500000 gallons of rain water per year is estimated to be directly channelized into the underground water stream, thereby recharging the depleting levels of underground water stream.

Modern electrical gadgets, energy monitoring & saving devices, and professional support is taken by the company to reduce electricity consumption & also planning to add another 67.5 KWH capacities solar plant. Kings International achieved their target of installation of solar plant of 201.6 KWH in January 2019.

With respect to reduction of waste, there was replacement of solid form chemicals by modern hair removing liquid agents which helps to minimize the generation of hazardous solid waste. Other waste such as leather trimmings, foam/cushion cuttings are generated which are disposed off to the leather board manufacturing units for converting them into leather boards.

The organisation uses vegetable tanning process from ‘ethically sourced’ raw hides producing eco-friendly, bio-degradable, breathable GREEN leather which is REACH Compliant. The recent development of BIO-LEATHER which is made from organically produced chemicals is Chrome-free & Metal-free and is gaining momentum world-wide. Moreover, the leather produced from re-cycled treated waste water has successfully gained the same physical quality parameters comparable to the leather produced from fresh water which is a technological breakthrough.
SIERRA ODC Private Limited

- SIERRA ODC Private Limited holds expertise in providing software solutions that integrate with a plethora of hardware and control systems to deliver mission-critical automation solutions to enterprises across multiple industry verticals like Automotive, Pharmaceutical, and Agro-Chemical, FMCG etc., in Supply Chain, Logistics, Warehousing and Manufacturing domains. eFACiLiTY® - Enterprise Facility Management Software is a leading CAFM/FMS solution that competes with world-leading products in the CAFM/EAM/CMMS space. It is a contemporary solution that works together with businesses to provide complete perspective on facilities operation by bringing together space, people, assets and maintenance into a single system.

- SIERRA’s eFACiLiTY® building is known for its careful decisions made in favour of environment, compact development and amenities connection. Reduce, Re-use and Recycle has been the mantra throughout the construction of the building. The company has used 20.15% of recycled content in civil materials, 3.15% of rapidly renewable materials and 100% FSC certified wood. Also 78.3% of materials have been sourced regionally and 82.5% of the construction waste was either reused or recycled. This building is rated the world’s 2nd and India’s highest-ranking Green Building and has bagged the honour of being the greenest rated software development centre in the world.

- The water savings at eFACiLiTY® building is 89.31%. It is ensured that 100% of rain water is harvested in the facility. Rainwater collected from the roof is suitably filtered making it potable in 5 stages. Most of these filtering processes do not use any power. Need-based water pumping is done by the building automation system. Sewage and grey water are recycled using Sequencing Batch Reactor technology, then the treated water is used for flushing and garden needs.

- A 60 KW conventional on-grid solar power plant caters to the building’s power needs. This is the second facility in India to install Onyx Solar’s Amorphous Silicon thin-film Building Integrated Photovoltaic glass panels with which the façade of the building also generates power. Also, the organisation has purchased Renewable Energy Certificates (RECs) additionally to take care of its balance power utilization making it 100% green.

- Being a software company, SIERRA is a paper-less office and produces very less paper waste. The green toilets avoid usage of paper towels. The facility has a less-plastics-use policy and the plastic waste generated is limited to packing materials received at the facility. The waste is 100% segregated in coloured containers covering Organic Waste, Plastic Waste, Paper Waste and e-waste. The paper, plastic and e-waste are 100% sent for recycling to outside certified agencies. Organic Waste generated from the kitchen, dining and the garden are converted into organic manure using Organic Waste Converter that uses very less power to process the waste. This manure is used for the garden and the rest is distributed freely to the building occupants and neighbourhood.

- The organisation prioritizes the reduction of dependence on fossil fuels. Electric vehicles, two-wheelers, and car-pooling are encouraged. 72% of the parking space is reserved for 2 wheelers, 19% for bicycles, 7% for cars and the rest for car-pooling and physically challenged vehicles. Free shuttle service and subsidized accommodation are provided at walkable distances which reduce carbon footprint. Also, electric charging points have been provided for 4% of the total occupancy capacity of the facility and occupants can charge their electric vehicles free of cost to encourage electric vehicle usage. Also, to reduce vehicular emissions arising out of employee commute, a one-time incentive for executives towards relocating near the work location is provided.
TATA STEEL LIMITED

- Tata Steel Limited, established in 1907, is a multinational steel-making organisation headquartered in Mumbai and a subsidiary of the Tata Group. It is one of the top steel producing companies globally with annual crude steel deliveries of 27.5 million tonnes and the second largest steel organisation in India with an annual capacity of 13 million tonnes after SAIL. Tata Steel has manufacturing operations in 26 countries and its largest plant is located in Jamshedpur, Jharkhand.

- The company has an Environment Management System in place focusing on Climate change/Emissions, Energy use, Water consumption, Resource efficiency (excluding energy and water; including materials used and packaging material), Waste management.

- Tata Steel has designed and improved products to mitigate environmental impact of its products such as Hot Dip Galvanized Coil, S 700 MC Advanced high strength steels. Hexavalent chromium is replaced by trivalent chromium in the coating process etc. These modified products are eco-friendly and reduce carbon footprint of the company.

- The organisation has made constant efforts to reduce fresh water intake. As a result, specific water consumption at Tata Steel Jamshedpur has reduced from 5.54 to 3.27 m³/tcs.

- An investment of INR. 286 crores was done in FY 19 on various environment projects which included installation of BF de-dusting equipment, lime plant process bag filter, CEMS highline bag filter, BF sludge drying, installation of new ESP, secondary emission system and HSM flyover. Tata Steel has increased its production from 9.33 MT in FY15 to 10.19 MT in FY19, however, the dust emission rate has reduced significantly from 611 to 432 kg/hr (29% reduction).

- A 25 MLD tertiary treatment plant was commissioned in September 2018 at Bara Sewage Treatment Plant (STP) to convert sewage water of Jamshedpur Township into process water and has been redirected to the Jamshedpur Steel works. This will reduce their freshwater consumption by 18% in the coming year. In FY 19, 5% reduction of fresh water could be achieved by utilizing the same.

- Tata Steel is marketing slag as product for construction purposes, enhancing slag utilization and thus leading towards 100% waste utilization. This will minimize any type of landfilling of slag.

- Regarding packaging material, 80% wooden packing material of Cold Rolled Coils have been replaced with Cradle Rolls that are being reclaimed.

- The company is taking the lead to produce steel through a more sustainable way by setting up a new vertical, Steel Recycling Business, with the objective of collection and aggregation of scrap in a formalised way & downstream Steel. It is done through the Electric Arc Furnace (EAF) route, which has potential to reduce carbon emissions, resources and consumption by 60-70%, compared to traditional steel production routes. Key solid wastes generated during operations are the blast furnace and steelmaking (LD) slag, which if not utilized are sent to engineered landfills. Tata Steel’s ongoing efforts towards zero landfill have resulted in an upward trend in utilization of solid wastes.
Hindustan Zinc Limited (HZL) is an integrated mining and resources producer of zinc, lead, silver and cadmium. It is a subsidiary of Vedanta Resources PLC. HZL is the world’s second largest zinc producer.

All HZL units are certified to ISO 14001 for environment management system, regularly audited by third party. The organisation has conducted LCA of its products in accordance with: ISO14040:2006 and ISO14044:2006. It has a policy and a structured, systematic approach towards EMS in place. It has Policy on environment management in place and ISO 14001 certification for all its sites.

The organisation conserves natural resources, reduces their emissions and adopts greener technologies to shrink their environmental footprint. 52% of the waste generated during the year is recycled. Their corporate office in Udaipur is one of the only 14 CII-IGBC Platinum rated buildings in India and the first ever in Rajasthan.

The organisation’s renewable energy consumption is increasing: in year 2018-19, they added 22 MW captive solar plant at RAM. Total captive solar capacity is 38 MW, going to increase by another 15% in the near future. It has installed waste heat recovery boiler of 35.4 MW capacity, registered under the Rajasthan Renewable Energy Corporation as a source of renewable energy.

Under their water management policy, they are committed to Zero discharge at all operating sites. The company has implemented several projects to reduce water consumption by installing Adiabatic cooling tower, air coolers, deep cone thickener, integrated effluent treatment plant, multiple effect evaporator, a new sea membrane 3rd stage RO plant etc.

The company is already a significant wind power producer in India with a capacity of 274 MW across five states. It has also installed a roof top solar plant at CLZS (100 KW) and Head Office at Udaipur (100 KW). 52% of the waste generated during the year is recycled.

Amongst several environment protection initiatives, the most notable one, is the project on eco-restoration of the lakes of Udaipur, where the organisation has ventured into commissioning of 20 MLD STP at Udaipur in a PPP model. The treated wastewater from the STP is utilised in their operations and, thereby reducing freshwater demand.

100% new employees undergo environmental training as part of their induction and regular training and awareness sessions are organized for all employees as part of Environment Day celebrations.
ACC Limited (Formerly the Associated Cement Companies Limited) is one of the largest producers of cement in India. Management control of the organisation was taken over by Swiss cement major Holcim in 2004. The organisation is only cement organisation to get super brand status in India. The organisation has approximately 20 cement factories, more than 50 ready mixed concrete plants, and a distribution network of over 9,000 dealers and a range of sales offices.

The organisation has conducted LCA for all blended cements (which is 65% of total cement portfolio) and obtained EPD and Greenpro certification during the year 2018. 39% of ACC’s net sales are from sustainable solutions which is highest percentage in Asia and one of the highest percentages across the globe. 65% of total cement sales are comprised with blended cements such as PPC, that are made by substituting a part of clinker with certain industrial byproducts, i.e. fly ash from thermal power stations. This helps in not only reducing CO₂ emissions but conserving limestone.

ACC, Chanda has proactively been taking measures in reducing specific energy by implementing various measures: energy conservation measures like Installation of Variable Frequency Drives (VFDs), carrying out CFD studies on major process equipment, conducting regular energy audits for identification and implementation of energy saving opportunities. The company has spent INR 36 Million during 2018 for various environmental protection initiatives.

In 2018, the company assisted in setting up 108 new GBCs. These Green Building Centers have helped in utilization of 37,577 MT of fly ash, conservation of 81,416 MT of the earth’s natural top soil and avoidance of 5,730 MT of CO₂ emission during the year. Further, through this initiative in all, 27,769 low cost housing /shelters have been constructed till date.

The organisation has developed various eco-friendly concrete products- Feathercrete is light weight concrete which is 50-75% lighter than normal concrete. It has thermal insulating properties & sound insulation and also reduced structural loading and is fire resistant. Permecrete is permeable concrete and hence permits seepage of water through itself, thus improving ground water table and avoiding water logging. Ecocrete is a high performance, durable concrete, designed to build sustainable structures and protect the environment. Accoplast is ready made plastering mortar which is designed with only Crushed Rock Fines (CRF), which is the byproduct of aggregates mines.
Ambuja Cements Ltd, a part of the global conglomerate LafargeHolcim, is one of the leading cement companies in India. Ambuja Bhatapara is a cement manufacturing plant situated in Chhattisgarh. The organisation has implemented "Geocycle", which utilizes RDF, plastic and paper waste, and hazardous waste to convert to energy. Ambuja uses more waste from these sources, than it generates. Fly-ash generated in their CPP is 100% self-consumed in the process of cement manufacture thus reducing the clinker factor and consequently reducing CO$_2$ emission. It has also installed AFR co-processing unit for utilization of plastic, industrial hazardous & non-hazardous waste from different industries as alternative fuel. It also co-processes biomass in its Captive Power Plant.

The company focuses on the four levers in their operations to address challenges of climate change: reduction in clinker factor; improving thermal energy efficiency & process technology; optimizing fuel composition, including the use of wastes as fuel. A study of the waste recovery system was also conducted.

The organisation has launched a new product, Composite Cement that is a combination of fly ash & slag (first in India) at Bhatapara. It has produced 13% Composite Cement of total cement production in 2018. Around 35% of fly ash is being used in PPC cement which is the maximum allowable limit as per BIS standard.

The organisation has completed Life Cycle Analysis (LCA) and developed Environment Product Declaration (EPD) across all plants (5 integrated units, 8 grinding units) for their main product Portland Pozzolana Cement (PPC) which constitutes about 69% of total production. In order to reduce GHG, they are focusing on production of fly ash based PPC as their major product.

The organisation has set up the Concrete Future Laboratory for testing, learning and experiencing the cement and concrete for Architects, Engineers and Construction Community (AEC). It provides solutions and services as required by concrete users using locally available materials. The laboratory is set up in line with the requirements of ISO/IEC 17025:2005 and has been awarded NABL accreditation.

The organisation has installed RO plant at the power plant which treats waste water generated from De-Mineralization resin washing waste water and other waste water to be reused in the cooling tower. Waste water generated is treated in Sewage Treatment Plant and reused for gardening and plantation purpose. Air cooled Condenser in Captive Power Plant has been installed to minimize the usage of water. They maintain zero discharge of water at their plant.

The organisation has replaced Old Bag Filter by Modified PJBF in Kiln-1 Process and achieved reduction of emission level from 50 mg/Nm3 to below 20 mg/Nm3. A dedicated platform/system has been installed to feed alternative fuel & raw material with the concept of using own and other industries waste as alternative fuel to replace coal. The company achieved thermal substitution rate of 6 - 6.5%.
The Dariba hydrometallurgical zinc smelter is located in the Rajsamand district of Rajasthan in Northwest India. The smelter has a capacity of 220,000 MT of zinc and 116,000 MT of lead. In the year ended March 2018, it produced 217,433 MT of zinc and 95,797 MT of lead. The complex is uniquely self-sufficient – there are lead-zinc mines in the vicinity at Sindesar Khurd and Rajpura Dariba.

The organisation conducts LCA for its products in accordance with ISO14040:2006 and ISO14044:2006 and has allocated the required resources – human resources, R&D - for LCA of the product. Health and safety impacts for 100% of the significant product and service categories have been assessed.

Products/services that are designed/modified to improve the environment characteristic (eco-friendly nature) or mitigate environmental impact during usage and disposal: Zinc in jumbo shape helps in lesser zinc wastage; avoids theft, ease of handling and better safety in customer’s operations. The use of zinc jumbo (supplied as 1.0 metric tonne) provides galvanizers cost efficiency. The smaller surface area to weight ratio of zinc jumbos means less turbulence during galvanizing bath and therefore less ash is produced. CGG zinc alloy as per customer requirement removes the need to alloy at customer’s premises and thus saves energy, cost, better bath management which improves efficiency and PW (Prime Western) zinc is a pre-alloyed zinc lead combination and with its use there is no need to add lead separately in zinc galvanizing bath resulting in avoiding occupational hazards of operators in dealing with lead in galvanizing plant.

The organisation has an environmental management system in place and 100% of its sites are certified with ISO 14001. The policy on environment management focuses on climate change/emissions, energy use, water consumption, resource efficiency and waste management.

To reduce emissions/energy consumption, the organisation has installed waste heat recovery boiler of 14.2 MW and solar power plant of 4 MW capacity registered under the Rajasthan Renewable Energy Corporation as a source of renewable energy. Energy consumption reduction has been done through various in-process innovations and adoption of best practices like increasing machine productivity, variable frequency drives and improving throughput to reduce specific energy consumption.

Improvements/innovations in processes or products that have led to environmental benefits include: Freeze Precipitation Technology for sodium salt recovery from MEE salt, Ancillary plant has been installed adjacent to Dariba Smelter Complex to recycle wastes generated from smelting process like zinc process residue, lead residue, etc.
Sterlite Power Transmission Limited (Sterlite Power) is a part of Vedanta group. It was born out of the demerger of the power business from Sterlite Technologies. SPTL is a leading manufacturer of power cables and conductors, supplying these to all Indian states and private utilities besides exporting to 40 countries. It has four manufacturing assets in Odisha, Uttarakhand and Dadra and Nagar Haveli. Sterlite Power is a leading global developer of power transmission infrastructure with 13 projects spanning 10,000 circuit kilometers in India and Brazil.

The company’s innovative usage of global technologies such as aerial surveys, heli-stringing, tower erection through heli-crane and asset monitoring through drones and monitoring transmission lines remotely has reduced the need for human intervention and minimized impact on the environment.

The organisation conducts LCA for its products/services and it is in accordance with ISO14040:2006 and ISO14044:2006.

The organisation provides emphasis on designing of products for the reduction of energy, water and other natural resources as raw material. For eg. LEAD free cable design to avoid usage of Lead, which has a larger negative environmental impact and also promotes Aluminum corrugation design instead of LEAD sheath.

The company has installed 3 core 66 KV Cable, a first in the industry and country, which replaced 4 individual cables with single integrated cables. Its integrated design removed almost 30% of raw materials and led to similar reduction in commissioning activities like earth digging, trenching etc.

The company replaced PVC as raw material in filler with polypropylene materials which do not have any halogen(chlorine); replaced PVC with Polyethylene (MDPE, HDPE, ST7) as sheathing materials, which reduce negative impacts in the ozone layer. Besides, new design MS reels have replaced wooden cable reels and Polypropylene sheets replaced the wooden batten as lagging in the packaging of cable reels.

Both raw material and packing materials are selected from a circular value chain, which are easy to recycle and reclaim after the life cycle. Example-MS packing reels are reclaimed from the site and reused multiple times which reduce biodiversity impacts in terms of wood free packaging.

Specific features added in products which are key differentiators with respect to sustainable product development:- 66X1X1000 sqmm cable circuit replaced by two circuits of 66X3x300 that have enhanced current carrying capacity which resulted in saving of 1200 sqmm of metal per km i.e 1200X2.03 = 3243.6 Kg per Km. Cable installation by HDD through PPE pipe was replaced by CCD cable which has 4-5 mtrs higher diameter and can be installed directly after HDD, resulting in elimination of PE pipe for installation, saving space and time during the pulling of pipe in HDD.

The company utilises their horticulture waste as bio manure as part of solid waste management, leading to replacement of artificial/chemical fertilizer, STP sludge is being used as bio manure in horticulture activity, used oil is being sent to authorized recyclers to be re-utilized and reducing footprint in terms of effective hazardous waste management, and RO reject water is being utilized for toilets flushing and road cleaning activity.
WAE Corp Private Limited is an ISO 9001:2015, ISO 14001:2015 and OHSAS 18001:2007 certified, leading OEM providing products, services and innovative solutions in the domain of Water & Waste Management. Incorporated in 2008 as a water purification product company, WAE has metamorphosed into an environmental services organisation that places drinking water availability at the center of its existence. WAE Corp is an established player in water management and fast emerging as a key player providing a full spectrum of environmental services.

The organisation’s products are aimed at removal of plastic bottled water at corporates and institutions. Under this initiative, one of the projects was with Ericsson, India. The company was determined to eliminate plastic bottled water from all its offices across India and WAE Corp enabled this shift through drinking water stations. This resulted in reduction of carbon footprint by eliminating 112,080 kg CO$_2$ e per year at Ericsson India Offices across the country.

WAE Corp’s products are made of innovative FRP (Fibre Reinforced Plastic material) which is completely recyclable and thus does not pose the threat of landfill. FRP is much better than plastic for its sustainability quotient and green impact. The parts are 100 % reusable which means that all machines are environment friendly.

The company conducts regular audits and checks to comply with the applicable environment laws and regulatory permits which is done by external agencies or internal stakeholders such as the quality control team and product team.

A unique innovative propriety device, ROVPD (Reverse Osmosis Variable Pressure Device), enables WAE drinking water stations to recover almost 80 % water making them one of most water efficient machines. The latest generation membrane technology coupled with UVC germ guardian ensures 99.9999 % microbe-free water.
Ayurvet Limited, formerly known as Dabur Ayurvet Limited is an animal care company specializing in natural & herbal products. The company’s portfolio includes herbal healthcare and nutritional products like performance enhancers, respiratory tonics, anti-diarrhoeal, liver tonics and mineral-vitamin nutrition etc. It is based out of Ghaziabad, Uttar Pradesh.

The organisation has a CSR Policy in place and the process to decide on focus areas is: baseline survey, identification of need from the community, social problems in the society near operation areas as well as in the news and the SDGs. The focus is aimed at uplifting the social, economic and environmental status of the farmers and stakeholders that the company works with.

To ensure long-term sustainability, complete ownership of the CSR project is given to the community for its use, operation and maintenance. For example, Biogas plants installed by the organisation, are used by the Guashala which is managed by workers of gaushala and the fuel is used by their families for cooking purposes. Also, the following steps are taken: regular visit to project locations and meeting project beneficiaries, regular feedback of community need from key stakeholders, developing community ownership on the projects, awareness and training programmes and impact assessment of every implemented project.

Construction of more than 100 toilets took place in Chidana (Sonepat), Baddi (Himachal Pardesh) and Varanasi (Uttar Pradesh) for BPL Households, Government schools and veterinary hospitals. This has led to improvement in health and hygiene, women safety and a comfortable sanitation facility.

The organisation is promoting renewable energy through construction of biogas plants in gaushalas and dairy farms and installation of solar street lights in villages. This has led to reduced GHG emission, fuel security, safety in the streets of villages due to visibility at night, waste to wealth management through biogas plant and saving of the cost of energy. A renewable source of energy helps in 24 hour availability throughout the year.

The organisation regularly conducts internal audits of CSR activities. Third party services are taken for independent feedback on CSR activities and the impact. Learnings and recommendations from audits are shared with the senior management /CSR Committee and used for taking necessary steps for improvement.
• Established in 2000, headquartered in Pune- India Sterlite Technologies Limited (Formerly Sterlite Tech) is a digital technology multinational company having offices in India, China, US, SEA, Europe and MEA. The company specializes in optical fiber and cables, hyper-scale network design and deployment and network software and offer bespoke integrated solutions for global data networks of CSPs, Telcos and OTTs.

• The organisation has a comprehensive CSR policy that not only covers the aspect of community outreach programmes, but also mentions the sustainability vision. Being a signatory to the UN Global Compact Network, each of the interventions within the premises as well as externally are mapped with the SDGs and the 10 principles. The four focus area are : Women Empowerment, Education, Healthcare and Environment

• The organisation contributes to the protection and fulfilment of basic human rights through strategic social investments. It reached out to over 205,200 lives in FY 2018-19. Till date STL has impacted over 830,000 lives through its CSR interventions and employee volunteering initiatives.

• Technology-related investments in education sector: Over 453,700 lives have been impacted through virtual classrooms, implemented in 480 Municipal Corporation of Greater Mumbai schools, to students of grades 5, 6, 7 and 10; Started in FY 2018-19, Pragyan, another ed-tech initiative in rural and semi-urban municipal schools of Jaipur, reached out to over 2,000 students; Smart Nandghars focus on pre-school teaching; Laptop donations and scholarships. In FY 2018-19, over 1,82,000 students were covered under the project across Marathi, Hindi, Urdu and English medium schools.

• Healthcare: Over 298,000 villagers and tribals in 24 remote villages in Silvassa have been provided primary healthcare facilities (free health check-ups and free medicines) through Mobile Medical Unit. The incidence of diseases has reduced by 34%.

• Jeewan Jyoti Women Empowerment Programme at Ambavane, Velhe, which equips rural women with vocational skills in computers, tailoring, nursing and beauty culture, has impacted more than 7500 lives. During FY 2018-19, there were 421 students.

• Afforestation and Water Conservation: Jaldoot Project Green Belt developed 700 meters of the road and transformed it into a green belt. 470 employees planted over 1,400 trees and plants.

• Till date over 4,200 lives have been saved through the blood donated by the company employees. During FY 2018-19, over 400 units of blood were donated. In FY 2018-19 employees clocked over 2,100 volunteering hours reaching more than 2,200 beneficiaries.
Ambuja Cements Limited, Bhatapara, established in 1987, a part of the global conglomerate LafargeHolcim, is a cement manufacturing plant situated in Rawa-Chhattisgarh. CSR activities are being implemented by the CSR arm of the Company- Ambuja Cement Foundation (ACF).

Under the health programme: 27 volunteers (Sakhis) provided mother and child health services, tracked 392 pregnant / lactating women, facilitated ante natal checkup, 100 IFA tablets provided, checking of BP and diabetes, counselled about importance of breast feeding and child immunization services. 29 Women was identified as high risk, 75 Health camps were organized. Volunteers were trained 4 times a year and and 12 training cum meetings of health workers were organized.

Institutional delivery increased from 50% to 98% in core villages. Immunization increased up to 90% in children up to 1 year of age. The infant and maternal mortality reduced from 52 to 23 per thousand birth. The prevalence of disease decreased in villages and usage of individual toilets increased from 50% to 90% due to Ambuja Bhatapara project intervention. The Foundation conducted a community lead sanitation programme - 13 programmes of toilet usage awareness in villages and 21 in government schools with film shows.

The organisation conducted multiple meetings with farmers which led to increased area under agriculture by 526 hectares and constructed water storage structure of 25000 cubic meters for irrigation purposes. This resulted in increase in cropping intensity from 1 to 2, leading to a raise in income through increased agriculture production by 1.5 times. Cropping in Rabi season went up from 5 hectares to 97 hectares.

Under the skill development programme, more than 50 mobilization sessions were conducted to train rural youth on vocational training like electrician, hospitality, mason, beautician, and retail management. 350 students were trained in the domain of soft skills and IT. 20 industry exposure visits for practical learning, 10 sessions on safety, fire and security were also conducted. Around 50 placement session were organised, 350 youth trained, and 260 placements were done. 50 youth were trained in 5 different trades and 260 were placed in leading industries. 30% trained youth are getting a salary of more than Rs.10,000 and 70% are drawing a salary between Rs. 5000- 10,000. Placement level of youth has gone up to 80%.
Ambuja Cements Limited, a part of the global conglomerate LafargeHolcim, is one of the leading cement companies in India. Ambuja Farakka, established in 2007 is a cement grinding unit of 1.25 MTPA situated in Murshidabad, West Bengal.

The organisation has committed to water conservation through its CSR arm, Ambuja Cement Foundation. It has promoted water harvesting structures and initiatives with farmers to reduce fresh water withdrawal and promote sprinkle irrigation system. Also, within the factories, water withdrawal & consumption is monitored on a regular basis through installing water metres at every withdrawal point.

Ambuja Cement Foundation has initiated the Skill and Entrepreneurship Development Institute (SEDI) at Farakka, which runs training courses on electrical, automobile, welding and AC & refrigeration as well as Mason training. The SEDI caters specially to rural unemployed youth to provide them with placement opportunities and trainee placements are ensured.

The Foundation has established a Health Care Clinic at NH-34 for trucker community, for medical services and as well knowledge on HIV/AIDS and different non-communicable diseases.

Through the Maternal and Child Health intervention: increase in the rate of Institutional Delivery from 32% in 2014-15 to 90% in 2018-19; Improved immunization level from 47% in 2014-15 to 100% in 2018-19; Decrease in Neo Natal Mortality Rate from 39.11 per 1000 live birth in 2014-15 to 18.87 per 1000 live birth in 2018-19; Decrease in Infant Mortality Rate from 51.34 per 1000 live birth in 2014-15 to 24.3 per 1000 live birth in 2018-19.

Under the Systematic Rice Intensification (SRI) method of Paddy cultivation, 1700 farmers have been trained. Basis this, the cost of cultivation has reduced by 13%, production increased by 45% and farmers income increased by 150%.

The development of 2 River Lift Irrigation Systems (to solve the problem of irrigation), provided life-saving irrigation facility to 153 farmers, covering 111 acres, for monsoon paddy crop during low rain fall and capacity building of the water user group was done through training and exposure. This has increased the crop intensity to 3 times. Area under cultivation in winter and summer season has also increased. Farmers adopt multiple cropping, thereby increasing their income.
NTPC Limited

- NTPC Ltd. is an Indian public-sector undertaking, engaged in the business of generation of electricity and allied activities. The headquarters of the company is situated at New Delhi. NTPC’s core business is generation and sale of electricity to state-owned power distribution companies and State Electricity Boards in India. The total installed capacity of the company is 49943 MW (including JVs) with its own 18 coal-based and 7 gas-based stations and 6 coal based, and 1 gas based in JV/ Subsidiary Companies, located across the country. Also 1 Hydro based station and 1 Wind based station. 9 Joint Venture stations are coal based and 11 Solar PV projects.

- The organisation has a Board level CSR Committee and a CSR Policy focusing on education, health, sanitation, drinking water, capacity building, women empowerment, social infrastructure development, support to physically challenged persons and activities contributing towards environment sustainability across all establishments of NTPC, in the immediate community, in around its area of operation. A comprehensive R&R Policy has been formulated to align with the Union Government’s National Policy on Rehabilitation & Resettlement. The organisation conducts 3rd party audit for all CSR projects.

- To ensure the sustainability of key projects, NTPC incorporates long-term (3 or more years) maintenance contracts for assets like solar street lights, RO water plants etc. The same are also handed over to village panchayats or Self-Help Groups for operating on a self-sustaining basis by charging a small fee. For sanitation, the organisation undertakes numerous activities to create awareness walkathons, cleanliness drives, street plays etc. They provide kits/ sewing machines/ licenses/ certificates after vocational training for facilitating the beneficiaries to become self-employed or employed elsewhere.

- NTPC has in place its ‘Utkarsh’ scholarship scheme to enable successful students to pursue their education. NTPC successfully conducted Girl Empowerment Mission (GEM), a 4-week residential summer workshop for holistic education of 400 girl students at three locations. The top 10 performers from each location are admitted in NTPC schools and expenditure on their education is being borne by the organisation. Performance of all participants of GEM are tracked on a regular basis. As the programme had been hugely successful and generated tremendous goodwill in the local population, NTPC is replicating the programme at 23 locations and participation has increased to 2000.

- Under vocational training, NTPC is now focusing in a big way on improving agricultural yield and milk yield. These programmes improved rural incomes without the need for migration of people to nearby towns and villages in search of jobs. Farmers income rose by 50% to 300% with respect to agricultural yield, milk yield has improved from about 7kg per day to 20kg per day and beneficiary income rose by 50%.
TATA PROJECTS LIMITED

- Tata Projects Limited has expertise in executing large and complex urban and industrial infrastructure projects. The organisation provides turnkey solutions for the construction of roads, bridges, fully integrated rail & metro systems, commercial building & airports and setting up power generation plants, power transmission & distribution systems, chemical process plants, water and waste management and complete mining and metal purification systems.

- The organisation has a CSR policy and identifies CSR activities / projects based on needs assessment of the community on an annual basis. Focus areas are aligned to the organisation’s business strategy. The business is skill dependent and a large pool of skilled labour is required. Considering the nature of business, TPL sees a huge opportunity of linking employability by training the under privileged youth further to become contractors giving them a fair opportunity to become sub contractors and social entrepreneurs under the water business and hence entrepreneurship is given priority. This ensures sustainable livelihoods for the under privileged community in a reasonably shorter gestation period.

- Board members are closely involved in the approval of budgets, initiatives, plans and programmes and also review the progress of CSR activities on a regular basis. There is also a system where employees are encouraged to volunteer in CSR activities. This keeps employees updated about various ongoing education projects for mentoring students and also engaging them in community work during relief programmes.

- In the area of skill development, students gained requisite and relevant vocational skills for entry level jobs. 21,845 youth received training and wage/self-employment opportunities with a minimum income of Rs.8000 per month leading to change in status of the candidate’s family and improved living conditions. With respect to safe drinking water, functioning water treatment/purification plant was set up and 73,84,682 beneficiaries received access to safe drinking water which has led to reduced waterborne diseases and medical expenditure. Under Education, which entailed improvement in school infrastructure and better student results, 41,277 children were impacted through multiple interventions leading to higher attendance and improved learning practices.

- With the motive of providing opportunities for socially and economically marginalized communities including the Scheduled Castes and Scheduled Tribes as a part of Affirmative Action Programme of the Group, 30 tribal women of Srikakulam district of Andhra Pradesh have been trained and started the processing units of local farm products (cashew, turmeric and millets). These are linked to 1000 cooperative farmers who produce the above products but do not have market for the total products produced by them these farmers are also from the poor community these entrepreneurs buy the products from the farmers in raw form and process to convert into finished products.
Ambuja Cements Ltd, a part of the global conglomerate LafargeHolcim, is one of the leading cement companies in India. Ambuja Maratha is a cement manufacturing plant situated in Chandrapur, Maharashtra. The installed capacity is 1.2 MT.

Ambuja Cement has been involved in CSR since 1993 through the formation of Ambuja Cement Foundation (ACF). Under the ACF, various community development initiatives have been undertaken in the vicinity of their plants. ACF’s focus areas include water resource management, agro-based livelihood, health care, education, women’s empowerment, infrastructure, disaster relief, energy conservation and wildlife protection which is part of their CSR Policy. CSR initiatives of ACF have succeeded in bringing about change in the lives of 2 million people across 12 states covering 22 locations in India.

Under the water resources management programme, this year, work done was for increasing ground water table and irrigation purpose as well as for drinking water purpose. Various types of water recharge structures like check dam construction, repairing and renovation of check dams, watershed activities like farm pond, farm bunding, water absorption trench and loose boulder structures. A total of 1500 households have benefitted from this.

With respect to the Skill & Entrepreneurship Development Institute (SEDI) initiative, of ACF to impart skills to the rural youth to generate sustainable livelihood, a total of 450 students benefit every year and acquire skills and employment in the areas of certificate courses like electrical assistance and carpenter, affiliated with State Council of Vocation Training, short duration courses like Industrial electrician, computer hardware & networking, basic electrical, home appliances repairing and basic turning & fabrication.

ACF’s agro-based livelihood programme, comprising of capacity building and farmer development activities works through the Better Cotton Initiative, (BCI), Better crop management initiative (BCMI), Aquaculture (Fisheries), Livestock Development, (LSD) and Institute of Farmer Collectives (IFC). A total number of 49,328 farmers have benefitted.

With respect to maintaining the long-term sustainability of its CSR Projects, ACF has a well-developed process to initiate, plan, and implement programmes and conducts participatory rural appraisals before introducing any programme in the community. ACF involves people at every stage and the community remains the most important partner in all programme activities. ACF rests the onus of project implementation on the community through institutions such as SHGs, VDCs, Farmers Groups, Farmer Producer Companies, Water User Associations, Women Federations and such.
Dalmia Bharat Sugar & Industries Ltd is an India-based company. The company is one of the largest sugar manufacturers with 22,500 TCD cane crushing capacity. Their plants are located at Ramgarh, Jawaharpur and Nigohi in Uttar Pradesh with the production capacity of 7,500 TCD each.

The organisation has a CSR policy which focuses on Soil and Water Conservation, Access to Clean Energy, Livelihood Skill Training and Social Development. The basis of deciding the focus areas is risk assessment report, stakeholder engagement, rapid rural appraisals, focus group discussions, materiality exercises, community needs assessment and continuous community feedback.

The Board reviews the CSR Initiatives through the CSR Committee which meets 4 times every year to review the initiatives and progress. The organisation has strong engagement with internal and external stakeholders at the corporate and field level. The internal stakeholders group comprises of all significant heads of the various functions and meets every quarter to review the progress of CSR Initiatives. This group also interacts with the external stakeholder group comprising of prominent representatives of industry bodies, government, corporations and journalists to understand their points of view with respect to the initiatives.

Soil & Water Conservation: Drip Irrigation was implemented in 236 acres of land, benefiting 630 villagers and saving 62 crore litres of water, five village ponds were constructed and interlinked - 3 in Ramgarh and 2 in Nigohi, Uttar Pradesh benefiting more than 1,700 people. There was additional water harvesting and saving of 68.9 crore litres this year, taking the total water harvested and saved per year to 228.9 crore litres. There was a 25-30 % increase in yield of sugarcane; 25-30 % increase in income (due to better yield, cost saving and intercropping) due to Drip Irrigation.

Access to clean energy: A Smart Power project was initiated wherein 2 solar mini grids have been installed in 2 locations in Uttar Pradesh. The grids have the capacity to provide electricity at night to 100 households and power for irrigation pumps to 100 farmers for 400 acres of land. The grid is providing water through solar water pumps to 120 farmers and electricity to solar home lighting systems to 80 households. Under the Ujjwala Scheme of Government of India, 663 Liquefied Petroleum Gas Connections were promoted among beneficiaries, 710 Solar Lanterns and 16 Solar Street Lights were promoted. Converted 16 villages to clean cooking and clean lighting.

Under livelihood skill training, to improve the expertise in traditional skills in women and enabling them to run a micro-enterprise, Moonj craft, a production and training centre was set up for local women to produce Moonj products. The centre will benefit around 350 women. 95 women of Self-Help Groups in Ramgarh previously trained on Moonj Craft by Dalmia, sold Moonj products worth INR 3 Lakh in the last year.
Suzlon Energy Limited, established in 1995, headquartered in Pune, India, is India’s leading renewable energy solutions provider offering 360-degree total solutions, covering the entire spectrum of wind energy projects. It is present in 18 countries across Asia, Australia, Europe, Africa and the America. Suzlon is the second largest O&M Company in the Indian power sector.

The organisation, through Suzlon Foundation – their CSR arm, have reached over 800 villages and impacted 13,00,000 lives by providing clean drinking water, medical care and child education programmes. They supported 650 pregnant women and over 3000 children (under age 5) through their Zero Malnutrition Programme. The CSR programmes, identified collaboratively with the villagers, based on their needs, are mainly focused on enhancing livelihood, health, education, civic amenities and educating on natural resource management.

The organisation has initiated the ‘Zero’ programmes based on national data and gaps in National Development Schemes. Under it, several initiatives are devised, such as the Zero darkness concept – promoting renewable energy solutions for remote villages and address the issue of loss of sanitation privacy for women (by constructing toilets for them); Zero Cataract blindness for elderly; Zero garbage for better environment and health; Zero dependency of specially-abled; Zero sparrow deaths for environment and Zero malnutrition for under-fives.

Suzlon has formed Village Development Committees (VDCs) in project villages and is empowering the members to take up responsibilities. To ensure sustainability of projects, it works in partnership with government, corporates, civil society, industry associations and other sustainable institutions, by harnessing local knowledge and appropriate technology. In the current five-year plan, ending March 2020, the initiatives are aimed at 300 VDC’s, zero garbage in 100 villages, zero blindness and zero darkness in all villages.

Suzlon’s CSR activities are targeted towards: better green cover, conservation of soil and enhanced water availability. Last year, 85,859 trees planted, 455,510 cubic meters of water conserved, 5,248 Kg of plastic waste collected and recycled, 715 Kg of wet waste composted, 89 biogas plants installed, 10789 bird water troughs installed, 373 households received the legal electricity connection or a solar home uninterrupted power supply, 895 health camps set up, where 50671 patients had visited, 1350 cataract surgeries done, kitchen gardens among 2021 households which saved Rs. 2,00,000/-, 700 families benefited from potable drinking water, 118 Tuition centres benefiting 2592 children, trained 3478 farmers and agrovets in various technical inputs.
TATA CHEMICALS LIMITED

- Tata Chemicals Limited (TCL) is an Indian global organisation with interests in inorganic chemicals, crop nutrition and consumer products headquartered in Mumbai, India. Established in 1939, it is one of the largest chemical companies in India with significant operations in India and Africa.

- The company has guidelines and policies concerning its organisation-wide approach towards biodiversity conservation. The initiatives such as; mangrove conservation and regeneration at west coast near Mithapur (Mangrove Plantation covering more than 3 lakh trees in Sundarbans and in Okhamandal, Bio-diversity reserve plantation covering more than 150 acres of land) reserve plantation project at Okhamandal, Gulal plantation at Dwarka, Caspian Tern nesting at Chakala, mapping of whale shark migratory patterns etc. are noteworthy efforts towards biodiversity conservation.

- The organisation conducts research on the biodiversity of its premises and surrounding areas in all relevant factory premises and organisation-owned land, based on which it carries out biodiversity conservation activities including nature conservation activities beyond what is required by law.

- The company has guidelines and policies concerning an organisation-wide approach to biodiversity conservation and specific conservation efforts have been set up as items in a biodiversity conservation guideline and/or an environmental policy. The organisation releases policies, goals and results of its conservation efforts on biodiversity and provides product information to customers on ways to limit impacts on biodiversity. It also assesses how its product or product in which its components are used might impact on biodiversity during the use phase.

- The organisation continues to support species conservation efforts through the Dharti Ko Arpan programme. Whale shark migratory patterns have been mapped in the Indian Ocean region through satellite tagging; Monitored the waterfowl population of the Caspian tern nesting at Charakla saltworks; Planted 20,200 mangrove saplings at Rukshmani Creek site, Dwarka; and developed a 5-hectare Ranavav mine area for Gugal plantation. Other initiatives include: Save the Asiatic Lion Project, Gujrat; Yatra in Tamil Nadu to save elephant corridors.

- Their efforts toward managing the concerns of climate change and energy use are driven through a focus on responsible manufacturing, to deliver Zero Harm to people, assets, and environment across the value chain in current and future businesses.
LIST OF APPLICANTS

Corporate Excellence

1. ACC Ltd.
2. Dow Chemical International Pvt. Ltd.
3. Grasim Industries Ltd.; Jaya Shree Textiles & Vikram Woollens
4. Hero MotoCorp Ltd.
5. Hindalco Industries Ltd.
6. JSW Energy Ltd.; Ratnagiri
7. NTPC Ltd.
8. Reliance Industries Ltd.
9. Tasty Bite Eatables Ltd.
10. Ultratech Cements Ltd.

Environment Management

1. ACC Ltd.; Chanda Cement Works
2. Adani Ports and Special Economic Zone Ltd. Mundra
3. Ambuja Cements Ltd.; Ambujanagar
4. Ambuja Cements Ltd.; Bhatapara
5. Ambuja Cements Ltd.; Maratha Cement Works
6. Apollo Tyres Ltd.; Chennai
7. Axis Bank Ltd.
8. Bayer Crop Science Ltd.
10. Bharat Petroleum Corporation Ltd.; Kochi Refinery
12. Godavari Biorefineries Ltd.
13. Grasim Industries Ltd.; Grasilene Division
14. Hindustan Zinc Ltd.
15. Hindustan Zinc Ltd.; Chanderiya Lead Zinc Smelter
16. Hindustan Zinc Ltd.; Dariba Smelter Complex
17. Hindustan Zinc Ltd.; Kayad Lead Zinc Mine
18. JSW Cement Ltd.; Nandyal Works
19. JSW Steel Ltd.; Dolvi Works
20. Kings International Ltd.
21. Kirloskar Brothers Ltd.
22. LANXESS India Pvt. Ltd.
23. Natural Remedies Pvt. Ltd.
24. ONGC Tripura Power Company Ltd.
25. SIERRA ODC Pvt. Ltd.
26. Sterlite Power Transmission Ltd.
27. Sterlite Technologies Ltd.
29. Tata Chemicals Ltd.
30. Tata Steel Ltd.
31. Uflex Ltd.; Chemicals Business
32. WAE Corp India (P) Ltd.
Corporate Social Responsibility

1. ACC Ltd.; Chanda Cement Works
2. Adani Ports and Special Economic Zone Ltd.; Mundra
3. Aditya Birla Capital Ltd.; Aditya Birla Sun Life Insurance Company Ltd.
4. AkzoNobel India
5. Ambuja Cements Ltd.; Bhatapara
6. Ambuja Cements Ltd.; Farakka
7. Ambuja Cements Ltd.; Maratha Cement Works
8. Ambuja Cements Ltd.; Sankrail
9. Ayurved Ltd.
10. Bosch Ltd.
11. Canpack India Pvt. Ltd.
12. Coromandel International Ltd.
13. Dalmia Bharat Sugar and Industries Ltd.
15. Hinduja Global Solutions
16. Hindustan Zinc Ltd.
17. Mahindra & Mahindra Ltd.
18. Maruti Suzuki India Ltd.
20. NTPC Ltd.
21. Reliance Industries Ltd.; Dahej Manufacturing Division
22. Schneider Electric IT Business India Pvt. Ltd.
23. Sterlite Technologies Ltd.
24. Suzlon Energy Ltd.
25. Tasty Bite Eatables Ltd.
26. Tata Chemicals Ltd.
27. Tata Projects Ltd.
28. THDC India Ltd.
29. The Ramco Cements Ltd.
30. Utkal Alumina International Ltd.
31. Vedanta Ltd.; Cairn Oil & Gas

Biodiversity

1. Tata Chemicals Ltd.
2. Adani Enterprises Ltd.; Parsa East and Kanta Basan Coal Block
# CORPORATE EXCELLENCE

**Outstanding Accomplishment**

<table>
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**Commendation for Significant Achievement**

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# DOMAIN EXCELLENCE

**ENVIRONMENT MANAGEMENT**

**Excellence in Environment Management**

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<td><strong>Kings International Ltd.</strong></td>
<td><strong>ONGC Tripura Power Company Ltd.</strong></td>
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<td><strong>SIERRA</strong> SIERRA ODC Pvt. Ltd.</td>
<td><strong>Tata Steel Ltd.</strong></td>
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<td>Sterlite Power Transmission Ltd. Power Cables Business, Haridwar</td>
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<td><strong>Tata Steel Ltd.</strong></td>
<td><strong>WAE Corp India Pvt. Ltd.</strong></td>
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# CORPORATE SOCIAL RESPONSIBILITY

**Excellence in Corporate Social Responsibility**

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<td><strong>Sterlite Technologies Ltd.</strong></td>
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<td><strong>Suzlon Energy Ltd.</strong></td>
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# BIODIVERSITY

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<tr>
<td><strong>Tata Chemicals Ltd.</strong> Mithapur</td>
<td><strong>Tata Projects Ltd.</strong></td>
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CII-ITC Centre of Excellence for Sustainable Development is a not-for-profit, industry-led institution that helps business become sustainable organisations. It is on a mission to catalyse innovative ideas and solutions, in India, and globally, to enable business, and its stakeholders, in sustainable value creation. It’s knowledge, action and recognition activities enable companies to be future ready, improve footprints profiles, and advocate policymakers and legislators to improve standards of sustainable business through domestic and global policy interventions. CESD leverages its role of all-inclusive ecosystem player, partnering industry, government, and civil society. It has been a pioneer of environment management systems, biodiversity mapping, sustainability reporting, integrated reporting, and social & natural capital valuation in India, thus upgrading business in India to sustainable competitiveness. With two locations in India, CESD operates across the country and has also been active in parts of South and South East Asia, Middle East, and Africa. It has held institutional partnerships and memberships of the United Nations Global Compact, Global Reporting Initiative, International Integrated Reporting Council, Carbon Disclosure Project, development agencies of Canada, the USA, the UK, and Germany.