



CII-ITC Centre of Excellence for Sustainable Development





18[™] CII-ITC SUSTAINABILITY AWARDS 2023

Excellence in Sustainable Business

WINNERS BOOKLET

ABOUT THE AWARDS

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:



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

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 16 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 is provided to the applicants.

Feedback report is provided to the applicants in two phases. For companies that do not qualify for site visit, feedback reports are provided after desk assessments are over. This will be around November 2023.

For companies that qualify for site visits, feedback reports are provided after the end of the Awards cycle. This will be around December 2023.

AWARDS CATEGORY

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.

CORPORATE EXCELLENCE Outstanding Accomplishment





Grasim Industries Ltd. Units: Jaya Shree Textiles, Vikram Woollens, Grasim Premium Fabric



Grasim Industries Limited is a publicly listed company and one of Aditya Birla Group's flagship companies. The Domestic Textile Business of Grasim Industries Limited has 3 manufacturing units: Jaya Shree Textiles, Rishra, Vikram Woollens, Malanpur and Grasim Premium Fabrics, Kolhapur.

- The organisation has a well-defined process for identification and assessment of the training & development needs of its employees. The training programmes include on-the-job training, leadership development training as well as life-skills training. Financial (training cost per employee) and non-financial (average training hours) indicators are used by the organisation to measure the execution of employee training & development programs. The company also conducts an employee satisfaction survey periodically through an external agency.
- The organisation reports sustainability issues in accordance with GRI G4 Guidelines / GRI Standards, SEBI guidelines on business responsibility reporting, CDP, TCFD, DJSI, HIGG Index Analysis and IIRC's Framework. The sustainability report is externally assured in line with international standards such as AA1000 and ISAE 3000. The key material aspects identified are- employee health and safety, energy and carbon, responsible procurement, water stewardship and waste management.
- The organisation has an environmental management system in place and 100.00 % of its sites are certified with ISO 14001. Across the Domestic Textile business, 6.2MW of rooftop solar power has been installed, and one unit is utilizing 100% non-fossil fuel for its boiler operation. Zero Liquid Discharge has been achieved in two out of three units. Reengineering of the humidification plant has resulted in annual energy savings of 1582140 KWHCO2 reduction to the tune of 1360.64-ton CO2e per year. Steam accumulator has been added in the system for steam and for the first time in the history of Asian Textiles industries this technology has been adopted, resulting in annual reduction in CO2 emission of 1265.5 MT (approx.).
- The CFO is the Chief Risk Officer and risk management meetings are held on a quarterly basis. Risks are identified at respective plants, businesses, and corporate offices, against which adequate mitigation plans are defined. Ratings are assigned to the risks based on the probability of occurrence and impact on profitability. These risks along with mitigation plans / actions taken are presented to the Risk Management Committee of the Board who provides input and suggestions. The organisation has integrated technology into its risk management process, leveraging the capabilities of tools and applications such as SAP and Enablon.

CORPORATE EXCELLENCE Outstanding Accomplishment





Sipat Super Thermal Power Station, NTPC Ltd.



Sipat Super Thermal Power Station is a 2,980 MW (Stage-I - 3 x 660 MW Super critical Units and Stage-II 2x500 MW sub critical Units), coal based Thermal Power Plant. It is located in Chhattisgarh, India. According to GlobalData, who tracks and profiles over 170,000 power plants worldwide, the project is currently active. It has been developed in two phases. Stage-II was commissioned in Aug-2008. Station became fully operational with the commissioning of Stage-I Units in April 2012.

- The organisation has developed on-the-job training, AR/VR based training, leadership training, simulator-based training, E-Learning, as well as life-skills training. The AR/VR training and simulator programmes and are used for building capabilities for maintenance / operation of hard to access areas and thus simulate real time problems. In the performance management system, a 30% weightage is given to the weekly planner activity for each employee and also, a weightage is given to safety KPIs.
- The organisation follows ISO 45001 standards on health and safety and also has a safety framework of which has its own safety policy in place. Internal as well as external (National Safety Council, Disaster Management Institute Bhopal) safety audits are conducted periodically. They employ techniques like Hazard Identification and risk assessment (HIRA), Job Safety Analysis (JSA) and Operational Control Procedures (OCP) to identify risks. There are relevant strategies to deal with risks including preventive health checkups and the use of PPEs.
- In the area of carbon sequestration, for the first time in the country, the organisation has installed a carbon capture to methanol conversion pilot plant of 20 tons per day capacity. A biomass pelletziation plant of 200 kg/hr capacity has been commissioned in the plant premises to effectively convert biomass into pellets, so as to substitute for coal in the boiler and thereby reduce carbon emission. Limestone based wet FGD installation work is in advanced stage of completion to reduce the SO2 emission. Combustion modification work has already been completed in all 5 Units to reduce NOx emission
- The organisation is governed by a detailed Stakeholder Engagement Policy at the corporate level. Identified Stakeholders are prioritized on the basis of power-interest matrix. A detailed engagement process with information about frequency, agenda, touchpoints, analysis, review, etc. for high priority stakeholders is created. Information is captured through an IT tool and the whole process and outcomes are reviewed every 2 years. The key topics that have been raised through stakeholder engagement are – inadequate fuel supply, compliance of emission, ash utilization, regulatory norms and difficulties in the acquisition.

CORPORATE EXCELLENCE Commendation for Significant Achievement



🛯 EXIDE

Exide Industries Ltd.



Exide Industries Limited (Exide) is an Indian multinational storage battery manufacturing company, headquartered in Kolkata, India. It is the largest manufacturer of lead-acid storage batteries and power storage solutions provider in India.

- There is a senior person responsible for risk management besides the CEO/CFO/Audit Committee head-the Vice President of Internal Audit Chief Risk Officer as well as the Board review the risk management process at least once every six months. The organisation assesses its risks through various tools like SWOT Analysis, Risk Registers, Risk Heat Map, and Risk Matrices in addition to sensitivity and stress testing. They have identified Climate Change and Sustainability Challenges as well as challenges in acquiring and retaining talent that can have significant business impacts as emerging risks and have a mitigation approach to address them.
- The organisation has a Code-of-Conduct ethics policy that covers Environmental protection, Insider trading, Anti-trust, Data privacy, Bribery and corruption, Conflict of interest, Health, and safety, as well as Corporate Communication & Media interaction. The policy applies to employees, joint ventures, suppliers, consultants, NGOs, and subsidiaries. The Board has an oversight on the ethics and compliance to the code of conduct and the actions taken to address those issues. A dedicated email id only accessible to the MD & CEO is managed by the compliance department and is available to any stakeholder who wishes to raise an ethics or compliance-related concern to the company.
- The organisation has a formal policy approved by the Board and commits to Occupational Health and Safety through ISO45001 that is implemented at all its sites. The organisation has set health and safety performance targets of continuing a zero-fatality path year on year, increase UCUA identification by 40%, and increase mitigation measures by 80% by FY23. 100% of sites get audited for health and safety. There is an emergency preparedness response plan and LTIFR, OIFR and fatality is zero in the reporting year.
- CSR Policy of the organisation highlights the five thematic areas as Education, Health, Skills and Employability and Environment protection. The organisation has initiated an innovative campaign to enhance awareness on bone marrow donation. The initiative has enabled enrolment and profiling of more than 60,000 donors and saves a number of lives by facilitating stem cell harvest from matching donors and transfer to the dones. There is a robust process for monitoring of CSR activities and due diligence of NGO partners. The organisation conducts impact assessment and SROI studies through third a party.

CORPORATE EXCELLENCE

Commendation for Significant Achievement





Hindalco Industries Ltd.



Hindalco Industries Limited, an Indian aluminium and copper manufacturing company is a subsidiary of the Aditya Birla Group. Hindalco has a well-rounded approach to sustainability - encompassing a variety of areas like sustainable mining practices, energy conservation, recycling, environment-friendly disposal of industrial wastes, safety practices, socio-economic development of the communities around the plant and empowerment of employees.

- The organisation has 17 safety technical standards and procedures to drive safety systems and a structured governance for implementation of these standards. Identification of safety risks is through HIRA assessment of various jobs and infrastructure and a safety linked pay out system has been implemented for the senior management team. There is an apex safety body to monitor and review adherence to safety standards, audits, HIRA assessment, tracking of issues, obtaining cards / concerns from employees, display of safety signage safety board, review of KPIs at the department and individual levels, job analysis, permission to work, audits etc.
- The Environment Management System covers 100 % of sites that are certified with ISO 14001. The Apex Sustainability Committee tracks implementation of sustainability initiatives through monthly performance reviews. Outcomes such as replacement of convention lighting with LED, tertiary water treatment plant, reverse osmosis and mechanical vapour recompression, use of redesigned pallets, use of copper slag in cement manufacturing & road making with plastics pellets etc. are some of the examples.
- The organisation reports sustainability issues in accordance with GRI G4 Guidelines / GRI Standards, SEBI mandated Business Responsibility & Sustainability Report, SASB, UNGC, WEF Metrics and the IIRC's framework. The Sustainability Report is externally assured in line with international standards (such as AA1000 and ISAE 3000) and is publicly available. Hindalco has conducted the Double Materiality Analysis, including all its stakeholders. Key material aspects identified are - energy & GHG emissions management, water management, occupational health & safety, ethics & integrity, and employee wellbeing.
- The organisation has created detailed Biodiversity Management Plans (BMPs) following multi-season studies for 14 of the 51 sites. The company has collaborated with industry experts to assess the performance of business operations in terms of biodiversity, ecosystem services, and carbon sequestration by utilizing the IBBI Biodiversity Index and subscribes to IUCN, MOEFCC and ABG on biodiversity aspects.
- Waste management constitutes a fundamental aspect of the organisation's ESG commitments. Annually,12 million tons of waste are generated, with 88% of this waste being effectively utilized in FY23 and three units have successfully attained Zero Waste to Landfill status.

CORPORATE EXCELLENCE Commendation for Significant Achievement



TATA STEEL

WeAlsoMakeTomorrow

Tata Steel Ltd.



Tata Steel Limited(TSL), boasting an annual crude steel capacity of 34 million tonnes per annum (MnTPA), stands out as one of the world's most geographically diversified steel producers. It is among the rare steel operations that have been fully integrated - from mining to the manufacturing and marketing of finished products.

- TSL has a process for identification of health and safety risks through ISO 45001:2018– OHSMS, with defined responsibilities and strategies. It communicates risks to employees through specific modes and channels, including- hazard identification and risk assessment activity, work permit system, visuals, SOPs, and safety alerts. The risk has been reduced, and health and safety performance improved through measures such as installation of a radar-based speed monitoring system, Automatic Number Plate Recognition and surveillance-on-road via the Brief Cam software, as well as the Driver Fatigue Monitoring System.
- TSL has established the mechanism for taking into account Internal Carbon Pricing (ICP) for business decisions. The Carbon Adjusted Internal Rate of Return (CAIRR) has become a key parameter in decision making. The sustainability approach is articulated in 'Sustainability Policy' which is supported by other policies like CSR, Environment, Energy, Climate Change, Biodiversity Management, Affirmative Action, Social Accountability, Responsible Supply Chain, and Human Resource Policy. A Policy Advocacy Impact Centre was launched in FY20 as well as a forum for SMEs.
- The organisation's CSR initiative, Maternal and Newborn Survival Initiative (MANSI) has a digital app named Operation Sunshine which tracks pregnant mothers, infants, and children across its operating areas in 38 blocks on a real-time basis and enables ground level government ASHA workers to provide swift redressal of issues before they become critical. In FY23, 63,698 households were engaged in improved agricultural practices with an average increase in income of Rs.1,07,860. 1,740 acres of land was brought under irrigation coverage benefiting 3,417 households and a total of Rs. 36,000 additional income was enabled annually for 1,182 women, through 104 microenterprises.
- In a first-of-its-kind initiative in India, TSL successfully recycled 12,000 tonnes of used refractories. Through the refurbishment of critical imported spares in India, the company has been able to reduce 200 metric tonnes of CO2 equivalent in FY2022-23. Risks posed by the environment including compliance with the norms of international lenders, PAT and RPO obligations, increasing severity of extreme weather events, and natural hazards have been identified. Strategies developed to manage them include a low-carbon transition strategy, entry into steel recycling business, energy optimization through technology adoption as well as carbon capture and storage.

CORPORATE EXCELLENCE

Commendation for Significant Achievement





Birla Corporation Ltd.



Birla Corporation Limited is the flagship Company of the M.P. Birla Group. Incorporated as Birla Jute Manufacturing Company Limited in 1919, it was Late Mr. Madhav Prasad Birla who gave shape to it. As Chairman of the Company, he transformed it from a manufacturer of jute goods to a leading multi-product corporation with widespread activities.

- The organisation assesses risks through Risk Maps, Scenario planning and macro and micro
 economic datum. The top 3 long-term emerging risks are- non availability of railway rakes in
 sufficient quantities impacting dispatches and sales and/or leading to higher freight costs, high
 competitive intensity in the markets that may impact volumes and the price in existing markets
 and slow down the ramp up of the new greenfield plant coming up in Maharashtra, and the risk
 of delay/cost overruns of projects/expansions.
- There exists a well-defined Performance Management System in the organisation that is
 reviewed periodically. Achieving a 100% participation rate, the company prioritizes women's
 development through training and performance reviews and priority given to gender equality.
 The employee turnover is maintained at lower rates by linking rewards to performance in terms
 of variable pay facilitates that motivates employee performance and retention and also providing
 various facilities such as freedom of working, a non-discrimination policy as well as various
 incentives such as housing, medical, education etc.
- The organisation is committed to green sourcing and 100% of raw materials are sourced sustainably, During the reporting period, 30% of raw materials used were recycled and renewable energy as a percentage of total energy consumed was 26%. The use of electrical excavators in mining has resulted in savings in fossil fuels and its related CO2 emissions, use of conveyor belts from the mining site to the plant has resulted in multiple environmental benefits, and innovative treatment of domestic wastewater by using bio-chemical has resulted in 95% of waster reuse and savings in energy consumption in one of the grinding units.
- There is a structured governance structure for CSR, backed with strong commitment and projects of high value have been identified. Impact has been created in 14 villages form the plant as well as the mining area in Maihar region with a beneficiary size of 24000 in number. With respect to healthcare, free eye checkup camps & cataract surgeries have been undertaken and helped more than 10000 poor villagers get their vision back. They are providing free and quality education to around 250 students in the Birla Primary School, belonging to disadvantaged communities, and also supporting 30 government schools.

CORPORATE EXCELLENCE Commendation for Significant Achievement





Talcher Super Thermal Power Station, NTPC Ltd.



Talcher Super Thermal Power Station or NTPC Talcher Kaniha located in Angul district of the Indian state of Odisha is the first mega power plant of India to have an installed generation capacity of 3000MW. The power plant is one of the coal-based power plants of NTPC. The East South Interconnection of the Indian power grid starts from NTPC kaniha and ends at Kolar in Karnataka. This being a DC link is one of its kind in India as uptill now there are only 3 installed HVDC system present in India.

- NTPC has deployed online risk evaluation, analysis and management which covers all the Business Units of the organisation. Sensitivity analysis is done for sustaining efficient plant operations, inadequate fuel supply, and delay in the execution of projects etc. The organisation has identified the top three long-term emerging risks as- stringent environmental norms compliance, reduced generation capacity of aging plants and compliance to 100% ash utilization and has a mitigation approach to address them.
- Hazard Identification and Risk Assessment, Job Safety Analysis, Operational Control Procedures, Risk assessment & methodology are used at the stations. Among the many safety measures implemented are - use of hydraulic scissors lift, hydraulic access platform mounted on the maintenance van for working at heights, a separate road/corridor arranged to segregate ash carrying trucks from regular plant vehicles, introduction of green tag system in scaffolding during maintenance as well as project location, use of RCCBs is ensured with junction boxes, distribution boxes and industrial plug tops and testing of healthiness of RCCBs is done by measuring tripping time of the ELCB.
- The organisation uses multiple approaches to training and development such as internal/external training and sabbaticals for higher education. Indicators used to measure the execution of employee training & development are financial (training cost per employee) as well as non-financial (average training hours as well as value-based (EVA, EDROI etc.). The organisation measures effectiveness of learning and development initiatives by using Kirkpatrick Model, where 80% of programs are measured at the reaction level through online feedback obtained.
- There are policies and procedures in place for becoming SUP free. NTPC has published an Integrated Plastic Management Policy and all stations have taken strategic moves & efforts to ban plastic use from their township and stations areas. The organisation has installed adequate number of silos with a dry ash extraction system that not only improves ash utilization through ash-based and asbestos Industries etc., but also reduces consumptive water requirements, reduces dust emission from the ash dikes, and also generates substantial revenues.

AWARDS CATEGORIES

Domain Excellence

Corporate Social Responsibility Environment Management Biodiversity

Corporate Social Responsibility

This 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.

Excellence





Cummins Group in India



Cummins India Limited (CIL), of the Cummins Group in India, is headquartered in Pune since 1962 and is the country's leading manufacturer of diesel and natural gas engines for power generation, industrial and automotive markets. The company caters to end markets such as construction, compressor, mining, railway, oil and gas, pumps, defense, and power generation.

- The organisation's CSR policy is geared towards 'serving and improving the communities in which we live.' It prioritizes addressing higher education challenges faced by the economically disadvantaged sections of society, tackling environment and energy concerns, and promoting equal opportunities for all by fostering increased access and equity.
- Under the Nurturing Brilliance Programme, with the focus on education as a catalyst for sustainable socio-economic transformation, Cummins India Foundation provides financial assistance and mentorship support to over 1900 students, benefiting, 67% of female students and 74% of those pursuing engineering studies.
- Under the Holistic Rural Development initiative, the intervention villages have stored 757Mn gallons of water through check dams, natural water streams, ponds, and percolation tanks. Five business models were created under the program, one of which was a SHG-run Water ATM.
- The organisation improved access to drinking water by setting up water ATMs which are run by women SHG members, not only making clean drinking water accessible to 54% of families but also providing employment to nearly 130 women in the villages. They have helped 1000+ women with developing kitchen gardening, organic farming, and community farming programs, substantially, impacting both yield and overall income of the households.
- The project Monsoon Resilient Maharashtra has provided water and income security for the intervention villages and fostered climate-resilient communities by increasing water storage capacities through desilting over 45,000 cubic metres of silt, improving water percolation through surface area treatment and planting more than 9000 trees. This initiative resulted in providing alternate livelihood and building women entrepreneurs, benefitting 5000+ women.

Excellence





NTPC Ltd.



NTPC Ltd., founded in 1975 is headquartered in New Delhi. It's the largest integrated power utility of India, with an installed capacity of 73,888 MW with an array of activities across thermal, renewables, hydro, nuclear and coal mining.

- The organisation has a comprehensive and syncretic model of CSR, integrated with its core business strategy, recognizing interdependence between business and society. Addressing the critical issue of accessibility to healthcare, the organisation has made primary care accessible and inclusive by making health camps both general and specialised, strengthening outreach services through mobile health clinics. Annually, around 3000 surgeries have been performed.
- The organisation conducts Girl Empowerment Mission– a four-week residential workshop for girl children in the age group of 10 to 12 years from various govt. schools of villages. The workshop aims at empowerment/upliftment of girl children through various interventions to make girls self-reliant and confident in all walks of life and become a catalyst in transforming their lives, the lives of their family and bring positive changes in the community. Every year, the programme is conducted at 41 locations where about 2700 girls participate.
- The organisation supports archery sport in India with an objective of scouting for talent in remote parts of India and nurture them through coaching camps to enhance India's presence in the sport internationally. Since 2019, Indian archers supported by NTPC Ltd have won 224 international medals out of which 93 were Gold, 70 Silver and 61 Bronze medals across levels in various international Archery tournaments. i.e., Asian Archery Championships, Asia Cup World Ranking Tournaments, Para Archery World Ranking Tournaments, World Cup Stage I, II, III, IV, World Archery Para Championships, Tokyo Paralympics Games etc
- The organisation supported Swachh Bharat Abhiyan of the Indian government, making over 24,000 toilets available in around 16,000 schools covering 83 districts spread over 17 states. Further, reviving the Karsada Mechanised Solid Waste Plant at Varanasi, benefiting 90 wards of Varanasi Nagar Nigam with a population of 12 Lakhs. The plant is processing around 600MT of solid waste. Varanasi jumped from 428th ranking in 2014 to 21st rank in 2022 in Swachh Survekshan rankings, 2022.
- Under rural initiatives, farmers were given classroom training on micro-irrigation, tissue culture, integrated pest management, innovation and partnerships and government schemes. Various trainings were conducted on embroidery, dress designing, cutting, stitching, tailoring (including providing sewing machines), beautician, food preservation & processing, nursing etc. for women from various villages located in the vicinity.

Excellence







JSW Cement Ltd.



JSW Cement is a leading green cement manufacturing company having the lowest CO_2 emission intensity across the industry sector in India. The company has also forayed into other green product portfolios such as low carbon construction chemicals & aggregates. JSW Cement, since its inception in 2007, has operated based on the principle of circular economy, with an approach towards creating a better world with sustainable business practices.

- JSW Cement follows a holistic CSR approach that is led and managed by the community. The women empowerment initiatives enhanced the standard of living by providing skills training such as tailoring, jute products, Zardozi embroidery and Maggam work to 957 women, with over 700+ women becoming financially independent.
- The organisation has undertaken training and capacity building for 813 SHG women, training on mushroom cultivation to 235 SHG women and started fisheries in 4 community ponds. This led to an increase in the monthly income of women skilled in handwork (Rs. 12,000 -15,000) and in mushroom cultivation (from 7,000 – 12,000 per month).
- Mitigating concerns regarding the quality of education, the organisation has digitized 31 schools, established science labs in 2 schools, developed nutritional gardens in 17 Anganwadi Centers (AWCs) and 5 schools, renovated 3 AWCs and provided study material to 1420 students, 163 bicycles to female students and scholarships to 47 students. This has resulted in higher attendance and retention of female students in the direct impact zone.
- Aiming at reducing medical expenditure, the mobile health camps benefited 14550+ patients, and around 11500+ non-communicable diseases screenings and treatments were done. In addition, the company has organized 31 antenatal camps serving 1140 community members and also organized a comprehensive eye camp, where 8700 villagers got screened and free eye glasses were distributed to 4698 community members and 79 community members were referred for cataract surgery.
- With an objective of promoting science, tech, innovation in the delivery of public goods and services, the Haqdarshak project helps villagers to identify, apply and benefit from eligible govt. schemes at their doorstep using the Haqdarshak Smart Application. The organisation promotes digital classes in schools through technology driven and tailor-made solutions for under privileged children. The organisation also helps in using agri technology to convert barren land into a cultivable one.
- The organisation conducts impact assessment for all of its existing CSR projects once in three years by a third party to review sustainability of projects that includes social capital valuation performance and the same is documented for further reference. Aggregate community satisfaction survey is undertaken for regular feedback on selected CSR projects and welfare activities.

Excellence





Re Sustainability Ltd.



Re Sustainability Limited is one of Asia's leading providers of comprehensive environment management services. Offering a whole gamut of environmental services and infrastructure solutions under various categories such as waste management, waste to energy and environmental solutions.

- As a part of the Integrated Schooling Holistic Approach (ISHA), the organisation has adopted Zilla Parishad Schools wherein 120 candidates were trained/skilled for various job roles such as computer assistant, retail associate, etc. This program had a significant impact on the candidates' employability as 73% of computer assistants and 70% of retail associates were placed.
- Under the Integrated Livelihood Support for Fishermen project, the company aided 250 fishermen families in the Kondakarla Ava Lake area. The first phase facilitated the beneficiaries with respect to equipment and technical expertise on fish rearing and the second phase enabled them to market their produce, ensuring both a higher harvest and income.
- As a part of the gender and women empowerment initiative, 250 women and adolescent girls from rural areas surrounding one of the operation sites, were trained in basic and advanced tailoring, product making and adult literacy. In addition, the organisation in partnership with WeHub, India's first state-led incubator for women entrepreneurs, worked on an entrepreneurship pre-incubation program, aligning its CSR interventions to the UN SDGs.
- The organisation, in partnership with NABARD has scaled up natural resource management, encouraged farmers to use natural resources such as soil and water judiciously and to adopt sustainable agricultural practices such as intercropping patterns and organic farming. The cost of cultivation was reduced by INR 10,000 and the yield increased to 200 Kgs per acre of land and a reduction in the cost of cultivation from INR 28,000 to INR 18,000 was achieved by using organic inputs.
- In FY 2021-22, the organisation provided oxygen concentrators to municipal authorities and government hospitals across the country during the second wave of COVID-19 Pandemic. As a part of the healthcare initiative, the Mobile Health Unit (MHU) helped 40+ beneficiaries near the waste management plant in Hyderabad.





Andhra Pradesh Cement Works; UltraTech Cement Ltd.



Ultra Tech Cement Limited is the cement flagship company of the Aditya Birla Group. A USD 7.1 billion building solutions powerhouse, Ultra Tech is the largest manufacturer of grey cement and ready-mix concrete (RMC) and one of the largest manufacturers of white cement in India. It is the third largest cement manufacturer in the world, excluding China.

- CSR focus areas are clearly aligned with the business strategy of the organisation which in turn align with UN SDGs and help in enriching the lives of the nearby communities. These are – education, health care, sustainable livelihoods, infrastructure, and social change. The organisation believes in the trusteeship concept. This entails transcending business interests and grappling with the "quality of life" challenges that underserved communities face as well as working towards making a meaningful difference to them.
- Addressing the concern of accessibility to safe drinking water at the doorstep of communities to prevent waterborne diseases, the organisation laid water pipelines in the entire project village, benefitting 545 households and 12000+ people on a regular basis.
- The Integrated Watershed Management project in Anantapur district in the Rayalaseema region
 of Andhra Pradesh, aims to make villages water positive. A population of 2000 has been
 benefitting through the intervention as groundwater level increased 2 to 4 meters, sufficient for
 dual cropping in a year, transforming lives in Ayyavaripalli and Petnikota villages.
- High yield variety of seeds developed by ICRISAT was distributed in 250-280 acres of cultivable land, along with dissemination of various management practices. This enhanced the total farmland and 400 acres of barren land was brought under cultivation, there was higher crop yield and better knowledge in terms of efficient agricultural practices and soil culture.
- Under the Spoorti Jute Works project, empowering women one stitch at a time, 30 women were supported through a stitching project which doubled their monthly income. For the continuity of the project, 60 to 100 rural women from nearby villages are trained every year. During the COVID-19 pandemic, these women delivered over 1 Lakh masks at competitive prices in the region.





Minda Corporation Ltd.



Founded in 1958, Minda Corporation Limited has become a top global contender in the automotive component industry. As India's premier manufacturer, the company produces a variety of auto components, including electronic and mechanical security systems, die casting, and keyless solutions.

- The organsation's CSR emphasis lies in promoting community development via education, imparting skills, empowering Persons with Disabilities (PwDs), and preserving the environment. The Spark Minda Foundation was established in 2014, which runs various projects and programmes for the communities in the rural and semi-urban areas of 5 states of India where the company has its operations, namely, Uttar Pradesh, Maharashtra, Uttarakhand, Tamil Nadu and Haryana.
- The Saksham Program impacts the lives of PwDs and over 16000+ people have benefitted from access to fitments as well as assistive aids and over 1000 secured employment internally as well as outside the company, due to effective aid and employment facilitation. Organisation of regular camps has had a wide impact across different states as mentioned above. The organisation has facilitated more than 1,700 UDID registrations.
- Under the Aakarshan initiative, 13,000+ beneficiaries were skilled in effective communication and presentation. To provide access to quality education and training for rural and semi-urban communities, the initiative has upskilled and ensured employment to women as well. Over 70% of beneficiaries either secured employment or have become entrepreneurs.
- The organisation prioritizes sustainable operations, including addressing waste management challenges. This involves minimizing material consumption through innovative measures and collaboration, replacing single-use plastic with reusable bins, corrugated boxes, and other sustainable packaging options. In 2021-22, the organisation successfully diverted 734 metric tons of waste from landfills through recycling and reuse initiatives.
- Other sustainability initiatives encourage the reduction of paper, resulting in saving around 1,08,93,000 papers to date, in turn, saving 1300+ trees in the reporting year, that has helped in reducing the carbon footprint. The company also collaborated with the local forest department for afforestation initiatives on government forest land. In over ten years, the survival rate of the trees planted is over 24,000. This helped in carbon capture to the tune of 1345869 kgs.



Life Is On Schneider

Schneider Electric India Pvt. Ltd.



Schneider's purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all. We call this Life Is On. Our mission is to be your digital partner for Sustainability and Efficiency.

- The organisation undertakes CSR projects closely linked with the principles of sustainable development and shared value with the involvement of local institutions and the community.
- Imparting skill development in the field of electricity, solar energy and automation, the organisation is currently running 40+ training centers in 27 states and 7 union territories, upskilling over 1,50,000 beneficiaries in the energy domain, and supporting 1,084 youth to become entrepreneurs.
- Under sustainable livelihood for farmers, the focus is on setting up adequate irrigation
 infrastructure powered by solar energy for year-round usage, growing more than one crop in a
 year along with enhancing savings of the beneficiaries. This has also resulted in reducing the
 cost of diesel-based pump dependency due to the usage of cost-effective solar irrigation pumps.
 resulting in average annual household income enhancement by 2 times.
- Under the Green Ambassadors' Program, every year around 6000 school students across 50 schools in 5 cities are selected. The Conserve My Planet Program is designed to be a fun-filled experiential learning program that aims to promote conservation of energy and the environment and inspire young people to act towards climate change. Till date, the program has reached out to 1,02,352 Green Ambassadors covering 900 schools. More than 1500 teachers have been inducted as "Change Makers" on school campuses. The program aims to develop 1.2 lac Green Ambassadors by 2025.
- Environment Protection: the plantation projects include supporting farmers through agroforestry and women of Self-Help Groups. Through micro forests, social forestry along with mangrove plantations, pollution detox zone in urban/rural areas and cyclone and erosion control zones in coastal areas are created. Till date, the organisation planted more than 4,50,000 trees and by 2025, they aim to plant 10,00,000 trees.
- Healthcare: the objective of the project is to provide basic health services to the patients from underprivileged and marginalized sections of society at Ahmednagar through the Community Health Care Centre.
- The organisation encourages employees' volunteering programmes by providing them with 2.5 days of volunteering leaves in a year incentivizing employee participation through opportunities to participate in international missions such as 'Teachers Missions.

Commendation for Significant Achievement





SONA BLW Precision Forgings Ltd.



Sona Comstar is an auto technology company headquartered in Gurugram with global presence. The company designs, manufactures and supplies highly engineered, mission critical automotive systems and components for global OEMs.

- The CSR framework of the company focuses on sustainability through promotion of innovations, incubations, technological advancements, skill development, healthcare and education. CSR projects are designed keeping in view local communities, environmental issues and improving educational infrastructure. Regular reviews of various CSR projects is undertaken by the CSR Committee and Board, which ensures proper implementation for better impact on society at large.
- Under Samridhi Bharat Program, the focus is on creating enduring prosperity through promotion
 of innovations, incubations, and technological advancements. The organisation has partnered
 with Indian Institute of Management, Ahmedabad to support its 'Innovation Hub' program, which
 is intended to provide a culture of innovation for massively scalable tech ideas for the
 entrepreneurial ecosystem. Under this program, more than 6,000 innovators/entrepreneurs will
 be benefitted from the incubation space and capacity building support for 200+ early-stage
 start-ups. Half a million stakeholders/ individuals shall be influenced, over a period of 5 years.
- The organisation has also partnered with the Foundation for Innovation and Technology Transfer (FITT), an industrial interface of Indian Institute of Technology, Delhi, to promote innovations in green mobility to foster and sustain commercialization of science and technology. A novel design for axial flux e-Axle motors, which was designed by the startup selected during the year under review, is already powering the L5 and L7 segments, with other designs in different stages of testing and validation.
- Under Swasth Bharat Program, during second wave of the COVID-19, the organisation collaborated with M/s Kaushalya Foundation and Akash Hospital, Delhi with focus on provision of medical and hygiene kits, oxygen concentrators, masks, and creation of medical infrastructure. For building long-term resilience and adaptation for all foreseeable and unforeseeable times, the company provided health and hygiene services, meals (cooked meals and rations equivalent of approximately 457,000+ meals) and facilitated the set up of intensive care unit for childrens.



ReNew

ReNew Pvt. Ltd.



ReNew Power Pvt. Ltd. is India's leading decarbonisation solution provider on a mission to build a fossil-free future through innovative and sustainable solutions. It is India's first clean energy company on the list of Nasdag, with – 13.7 GW of commissioned and pipeline utility-scale projects.

- The organisation undertakes CSR activities under the thematic areas of access to clean energy, education, gender equality, and clean water and sanitation The areas of intervention are aligned with the company's broad goals of driving climate action by working with two most affected sections of the society - women and children. In addition to this, the organisation also undertakes need-based infrastructure activities in the community it surrounds.
- ReNew's Lighting Lives programme focusses on the last mile electrification of schools with less
 than 3 hours of electricity, through solar energy. Through electrification of 110+ schools and
 establishment of 40 digital labs, the organisation has transformed the delivery of education by
 establishing digital labs and decreased drop-out rates. The ReNew Young Climate Leadership
 Curriculum is aligned with the Prime Minister's clarion call for LiFe movement, devised to
 sensitise young minds towards climate change and promoting sustainable behaviour change.
- Addressing infrastructure-driven issues, the organisation has increased income levels of 500+ SHG members by enhancing financial literacy and opening avenues for supplemental income of families, holistically improving education and healthcare facilities. In collaboration with UNEP, SEWA, and other partners, Project Surya has trained over 1,000 women salt pan workers as renewable energy technicians in the rural Kutch region.
- Under the water conservation program, improving accessibility of safe drinking water in drought-prone areas like Jaisalmer, the organisation has constructed different water structures such as taankas with bio-sand water filters in 120 households and naadis (community ponds). Under this initiative, the organisation has introduced silt catchers, covers for underground water tanks, de-silted 10 lakes, and established 52 RO units in the region. This has resulted in a decrease in water borne diseases and increase in productive hours for women as time for fetching water has reduced.
- The organisation runs a unique business impact accelerator program for women climate entrepreneurs. In partnership with UNDP and IIT Delhi, they mentor and provide support to young women climate entrepreneurs who would be solving the most complex climate and energy related issues. The program entails- in house mentorship, technology support, access to an investor base, defining impact frameworks, measuring impact, as well as fundraising. The first cohort of 6 entrepreneurs was completed in FY 22-23.

Commendation for Significant Achievement





Indian Oil Corporation Ltd.



Indian Oil Corporation Ltd., founded in 1959, became India's leading energy major, with a business spanning the entire hydrocarbon value chain, encompassing exploration, production, refining, marketing, and distribution of petroleum products. It is India's highest ranked Energy PSU in the Fortune list of 2023.

- The CSR policy focuses on basic livelihood needs and societal empowerment, safe drinking
 water and protection of water resources, healthcare, nutrition and sanitation, education and skill
 development, empowerment of women and socially disadvantaged groups and environment
 sustainability, among others.
- The IndianOil Madhur Muskan project was initiated in collaboration with Mission Smile and government support to mitigate the issue of clinical problems associated with cleft lip and palate deformities among children in Assam and Meghalaya. The project enabled 800+ children to lead healthy lives. In FY 2022-23 alone, around 200 children have been treated through a four-fold approach, incorporating comprehensive cleft care services; access to surgery by removing financial barriers, mobilising and generating awareness in collaboration with ASHA workers across the region and pre-and post-surgery evaluation.
- Project Vayu-Amrit, a crop residue management initiative implemented in 9 villages in the Sangrur district of Punjab, was undertaken by the organisation in partnership with the CII Foundation. Yielding positive results through generating awareness among stakeholders, forming Farmer Cooperative Societies, and providing 17 machines for stubble management. This resulted in 90% of the total project area switching to alternative methods of sowing seeds and avoiding the need for burning. The project successfully incorporated around 86% of the total straw into the soil, achieving long-term sustainability and replicability of similar initiatives in different regions in Punjab, Haryana, and Uttar Pradesh.
- Under the women empowerment project, the Assam Oil School of Nursing (AOSN) at Digboi refinery in Assam, since its inception in 1986 has empowered nearly 708 young women from economically weaker sections of the society by providing them with avenues to lead a better life and enhance employability. Further, the project has improved literacy rates, and the trained professionals are not just securing employment in the region but across the country.
- The organisation supports and nurtures the sporting talent of young Indian athletes through the IndianOil Sports Scholarship scheme. In 2022-23, 243 sports persons benefited from the scheme of which 121 were females, fostering a strong sports culture in India. By supporting young athletes, the scheme aims to create a strong sports culture in India and inspire more individuals to pursue sports at a professional level.





Dalla Cement Works; UltraTech Cement Ltd.



Dalla Cement Works (DLCW) a flagship unit of Ultratech Cement Ltd. (UTCL), was taken over from Jaiprakash Associates Ltd. in 2017. The unit has an ultimate capacity of 2.0 MTPA Clinker and 0.5 MTPA cement production with 1 x27 MW TPP.

- Ultra Tech's CSR policy focuses on education, healthcare, sustainable livelihood, infrastructure
 development and social empowerment, aimed at actively contributing to the social and
 economic development of the communities in which they operate. All projects are planned in
 consultation with the community. The process involves interacting with them and understanding
 their challenges and issues, using 'Participatory Rural Appraisal' a mapping process to
 understand the specific needs of the community. The organisation interacts with village
 panchayats and prepares a list of requirements based on in-depth focused discussions.
- The 'Jal Hi Jeevan Hai' initiative, installing solar powered drinking water supply systems has helped to provide drinking water to over 550 beneficiaries in Chikdanim Kol Basti and Bari Villages in Uttar Pradesh. Further, an underground water pipeline that covered approximately 500 meters helped to connect to the taps to draw water from, altogether impacting 500+ families in the impact zone.
- The organisation made a crisis intervention during the COVID-19 pandemic, to lessen the dearth of oxygen cylinders all around. They installed an oxygen generator plant with a capacity of 45 litres per minute, at Sonebhadra district hospital. This tackled not only the immediate crisis of inadequate medical resources but also strengthened government infrastructure for unforeseeable times in the future.
- Addressing human rights issues as a part of CSR policies, the organisation has made significant interventions to ensure the holistic development of children of the age group of 2-6 years of imprisoned women. The organisation renovated old structures and developed a creche facility at Ghurma Jail impacting 18 young minds who are now getting quality education inside the jail premises. Further, the installation of a sanitary pad vending machine at the premises resulted in better menstrual hygiene for over 100 female prisoners.
- Special initiatives such as preservation of biodiversity of the Paraspani pond in Kota village, aims at increasing the water storage capacity of ponds through deepening activities and facilitating the flourishing of biodiversity through other beautification activities.



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Toyota Kirloskar Motor Pvt. Ltd.



Toyota Kirloskar Motor Pvt. Ltd. (TKM) is one of the leading auto manufacturers in India committed to serve its customers through advanced technologies & services, thereby fulfilling its commitment to OH&S, Environment, Economic and Social stewardship.

- The organisation follows a dual approach of "Empowering Communities" and "Enriching the Environment" in all CSR programs. The environmental initiatives not only focus on conserving the natural ecosystem but also on creating awareness in the community about the use of scarce resources. Inspiration is derived from the needs of the communities and by following a comprehensive assessment exercise as per the principle of Kaizen.
- Strengthening model Anganwadi centers under the Toyota Anganwadi Development Programme (TADP), the organisation provided teacher training to 30 Anganwadi members to improve the quality of education piloted in FY 2021-22. In FY 2022-23, the project was handed over to the district administration, benefitting 30 centers across Ramanagara district of Karnataka.
- Toyota Shaale Arogya Programme (TSAP), identifying health concerns such as anemia, malnutrition and visual problems has been conducting awareness sessions for students in government schools thereby paving the way towards a healthy and illness-free childhood. In FY 2022-23, in the post-COVID scenario, 5,000+ students from 172 schools benefitted from health check-ups and awareness. 110 students were identified with vision issues, 1,333 female students attended adolescent health and hygiene sessions and 164 teachers were trained in health and hygiene care.
- Local communities in intervention areas are prone to get waterborne diseases due to the presence of high TDS (Total Dissolved Solids) in the water. With the objective to provide safe drinking water to communities, TKM installed five water purification units in the Ramanagara district in FY 2022-23, benefiting 30 villages and more than 50,000 individuals.
- The organisation has been striving to bring changes across the social value chain through the involvement of employees to create an impact in society under the programme 'iCARE'. Since its inception in 2017, iCARE has created and nurtured a network of 1758 volunteers in 25 events and impacted 63,150 lives.
- TKM has been implementing CSR activities from 2001 onwards and till date has touched lives in Education (132,980 members), Environment (45,529 members), Road Safety (798,600 members), Health & Hygiene(11,16,365members), Skill development (1805 members), iCARE (63,150).
 Overall, TKM has reached 21,58,958 community members and continue their multifold efforts.

Environment Management

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



Excellence in Sustainable Business



Apraava Energy Pvt. Ltd.



In the last 20 years of responsibly powering India, Apraava Energy strived relentlessly towards building a future that doesn't compromise the needs of today. They don't just believe in producing better energy, but energy that drives all-around progress inspires sustainable change and creates a climate-conscious ecosystem.

- The organisation is the early adopter of Flue Gas Desulfurization (FGD) in India. With FGD in full operational use, the organisation has achieved a reduction of approximately 85% in SO2 emissions. Recognized as the most compliant and cleaner power plant in Delhi–NCR, the organisation places a high priority on environmental performance monitoring, with continuous monitoring of flue gas. An upgraded Online Continuous Emission Monitoring System has been installed for real-time emission data transfer to the Central Pollution Control Board (CPCB).
- Continuous monitoring helps to keep emission parameters (PM, SO2, NOx) in check with the regulatory requirements. The organisation has implemented a dedicated Management Control Procedure to guide operators in controlling emissions and taking relevant steps. An alarm is set at 90% of the compliance limit, to enable proactive measures and avoid any exceedance of the norms.
- The organisation employs a combination of pollution control equipment, namely Electrostatic Precipitator (ESPs) and bag filters (hybrid design), which are continuously in service to control flue gas emissions and meet the required standard of 50 mg/Nm3 for particulate matter emissions from stacks. They have successfully maintained an average PM value of <30 mg/Nm3.
- The organisation has initiated a transition to hybrid lit-up, replacing the conventional main oil gun lit-up to optimize start-up oil consumption. In this process, mini oil guns are employed alongside the main oil guns for boiler lit-up. The implementation of this technology during start-up reduces the usage of High-speed Diesel (HSD) by over 20% in each cold startup. This initiative contributes to environmental benefits by preventing the depletion of natural resources and reducing CO2 emissions simultaneously.
- The organisation has implemented rainwater harvesting and groundwater recharging systems at various thermal, renewable and transition sites. Its thermal power plant i.e., Jhajjar Power Limited operates as a Zero Liquid Discharge (ZLD) plant, treating and reusing all wastewater on-site. The treated wastewater is efficiently utilized for dust suppression at different locations, horticulture, cleaning, and other relevant purposes within the plant premises. In the fiscal year 2021-22, the organisation recycled a volume of 140,836 kiloliters of wastewater.



Excellence





Delhi International Airport Ltd.



DIAL is a joint venture, formed as a consortium between GMR Airports Limited (A subsidiary of GMR Infrastructure Limited) (64%), Airports Authority of India (26%), and Fraport AG Frankfurt Airport Services Worldwide (10%). They believe in creating passenger delight every time they fly, and this has been reflected in every facet of the airport.

- The organisation became the first airport in the Asia Pacific region to achieve ACI 'Level 4+' and only the second airport globally. This accomplishment was attained by adopting long-term emission reduction targets, aligning with the IPCC 1.5-degree scenario. DIAL has established a 'Climate Resilient Infrastructure and Process' (Climate Resilient Program) to address its climate change risks, driven by the leadership team.
- An advanced 16.6 MLD Zero Liquid Discharge (ZLD) Sewage Treatment System is implemented, facilitating the reuse of treated water for Horticulture, toilet flushing, and HVAC make-up water. Additionally, the airport features over 350 rainwater harvesting systems, strategically placed to enhance water availability in the region.
- The organisation has taken the initiative to phase out 95% of petrol and diesel vehicles, accompanied by transformative changes in airport infrastructure. This includes the installation of multiple EV charging stations on both the airside as well as cityside, along with the introduction of electric bus services for passenger movement, contributing significantly to the reduction of vehicular emissions.
- The organisation has achieved certification as a Single-Use Plastic-Free Airport. Delhi Airport has prohibited items such as plastic grocery bags, food packaging, straws, containers, cups, and cutlery, replacing them with eco-friendly alternatives. Smart and bio-friendly packaging for takeaways has been initiated by the airport authorities. Similarly, all retail outlets within the airport have been instructed to transition to bags made from environmentally friendly materials like cloth and paper. All waste, including plastic, is being segregated at the source using a dedicated 2-Bin & 4-Bin System. The waste is subsequently stored in a secondary location before being transferred to a Material Recovery Facility.
- The implementation of measures such as Energy & Environmental Management Systems with integrated green infrastructure reflects the organisation's commitment to enhance capabilities in mitigating climate change impacts. Initiatives like the use of Fixed Electrical Group Power (FEGP), operation of CNG vehicles, and energy conservation measures demonstrate tangible results in reducing carbon emissions and conserving natural resources.



Excellence



Epsilon Carbon Pvt Ltd



Epsilon Carbon Private Limited (ECPL) was established in 2010 with the vision to become the partner of choice and trust in the carbon derivatives market. Epsilon Carbon aims to be a global leader in the Carbon Black (CB) and Coal Tar (CT) derivatives industry.

- The organisation conducts LCA for 100% of its products/services in accordance with ISO14040:2006 and ISO14044:2006 and the scope includes own operations as well as upstream of the product. With the help of LCA, ECPL came to know clearly about what the emission factors are, impact on environment, and identify the area and scope to reduce the impact by innovation/ research/investment.
- Products/services that are designed/modified to improve the environment characteristic and mitigate environmental impact during usage and disposal are - Synthetic Graphite for Anode Material for LI-ion Battery, Coal Tar Pitch (used in aluminum industry, and generated for coke oven waste products) and power and steam generation combined for overall carbon complex from waste gas generated during production process.
- The organisation has been experiencing a gradual increase in the renewable energy consumption percentage of the total energy consumption. With a sustainability goal set to meet over 15% of the energy requirements through renewable sources by FY 2024-25, there has been significant progress. In 2018-19, the percentage was at 3%, and by 2021-22, the organisation successfully doubled the renewable energy consumption, currently standing at 6%.
- The organisation achieved an 87.11% reduction in average CO2 emissions by integrating steam usage in CT & CB plants, incorporating extensive work in CT by discontinuing steam and thermic fluid boilers, and implementing damper operations.
- The shutdown duration of the Modified Pitch Section of the Coal Tar (CT) plant has been extended from 52 to approximately 100 days through modification of equipment and refurbishment of the system. These adjustments aim to enhance efficiency and reduce energy and environmental waste in the plant. In the CT Plant, an average of 45-55% of packaging bags used for total dispatch consists of recycled bags, showcasing a commitment to sustainable and environmentally friendly practices.
- The organisation has adopted an eco-friendly approach by utilizing recycled material pallets for both domestic and export purposes in handling carbon black materials, amounting to approximately 1500 pallets per month. The plant further demonstrates its commitment to sustainability by deploying electric batteries for all ten forklifts within the facility. Additionally, the use of liquid tankers has proven effective in reducing the reliance on naphthalene bags, each weighing 40 kg.

Excellence





Grasim Premium Fabric; Grasim Industries Ltd.



Grasim Industries Ltd. – Grasim Premium Fabric (GPF), formerly known as SOKTAS India Private Limited, is a part of one of the largest Indian conglomerates, Aditya Birla Group. GPFPL manufactures premium cotton fabrics in India under the 'SOKTAS' and 'Giza House' brands and remains a preferred supplier to several leading Indian and global menswear brands with an expansive distribution network spread across 3000+ multi-brand outlets.

- All products of the organisation come with labels including the standards complied, Oeko-Tex Standard 100, GOTS & ISO-14001 certifications and 100% of the products' health and safety impacts are assessed for improvement. Tencel (Lyocell) Blends, linen blends and 100% cotton have been designed to be of an eco-friendly nature and mitigate environmental impact during usage and disposal.
- At GPF Kolhapur, the Effluent Treatment Plant initially relied on a chemical treatment process, later advancing to a biological process, thus eliminating the necessity for chemicals. The treated water from this ETP undergoes a 75% recycling rate through reverse osmosis, contributing to its reuse in the manufacturing process. As part of their ongoing environmental initiatives, there are plans in place for the installation of a sludge dryer, with the ultimate goal of an 80% volumetric reduction in the quantity of sludge.
- The organisation utilizes 100% biomass briquettes in their steam boiler, with an annual consumption averaging 7200 MT. This adoption contributes to an 88% reduction in CO2 emissions. Additionally, a 1.8 MW rooftop solar plant has been installed, reducing their overall power consumption by 18 to 20%.
- The organisation has implemented several energy-saving measures, including the installation of an energy-efficient compressor that translates to a daily savings of 800 units. The adoption of water recovery practices implemented on the sanofizer machine wherein belt cooling water is recovered, collected in tanks and reused at a rate of approximately 75 kl per day contributes to sustainable water usage as the recovered water is reused.
- Additionally, a water recovery project has been undertaken on the conditioning machine, where seal cooling water is recovered, gathered in tanks, and reused, amounting to around 5 kl of water per day.

Excellence





Staple Fibre Division-Nagda; Grasim Industries Ltd.



Staple Fibre Division, Nagda was established in 1954 and produces man-made cellulosic fibres (MMCF) which are nature-based fibres made from renewable resource wood. These fibres have various applications in the textile and apparel industry. The fibre is biodegradable in soil, water and marine environment. Nagda facility produces all the 3 generations of MMCF viz. viscose, modal and lyocell fibre and also the world's largest producer of spun-dyed viscose specialty fibre.

- Wood is the key raw material for the organisation, and wood sourcing has the highest priority as there are many risks associated with its sourcing such as deforestation, etc. Wood sourced is traceable and comes from low-risk sources from certified forests and with certifications such as FSC[®]. The organisation conducts cradle-to-gate LCA for its products in accordance with ISO 14040:2006 and ISO 14044:2006.
- Water is a key material issue for the organisation. The organisation has a structured water management system plan and review system. Detailed water pinch analysis and identification of conservation areas within operations coupled with low water technologies have been developed and deployed in core viscose processes such as fibre washing, chemicals recovery and cooling towers.
- The organisation has installed a ZLD plant in alignment with the 4R (Reduce, Reuse, Recycle & Regenerate) Principles and has successfully reduced net water consumption for fibre manufacturing by nearly 60% after implementing ZLD in FY22. Notably, this marks the first-ever ZLD in a viscose fibre manufacturing plant globally.
- EPR is applicable to the organisation for plastic waste management as per PWM rules 2016. The total quantity of plastic packaging materials used for all the products is recycled by facilitating the collection and reprocessing of an equivalent quantity of plastic waste through authorized recyclers.
- The organisation has a reuse/recycling rate of over 90% for both hazardous and non-hazardous waste generated. Various initiatives such as utilising fly ash in the manufacturing of cement and bricks and recovering chemical gypsum for use in cement plants helps in achieving this.







Risda Cement Plant, NU Vista Ltd.



NU Vista Limited manufactures construction materials. The company offers cement and slab casting concrete work as well as providing delivery services. Their innovative and sustainable product, Ecodure (a range of green concrete capable of reducing carbon emissions by up to 60% compared to standard OPC mix), serves as a testament to the efforts made toward achieving their sustainability agenda, 'Protect Our Planet (POP)'.

- The organisation has initiated a program to collect used cement bags and recycle them to
 produce recycled polypropylene bags. During FY 23, more than 15 lac bags were recycled and
 reused. In terms of reclaimed products, recycled cement is used to produce concrete, contributing
 to the development of buildings and roads. After a lifespan of approximately 30 years, when these
 structures reach the end of their life, they generate construction and demolition waste. The
 organisation has taken steps to address this by incorporating approximately 8-10% of C&D waste
 in place of aggregates and sands and at RMX plants.
- The organisation's implementation of Total Productive Maintenance (TPM) yields significant benefits such as waste utilization, resource efficiency, and reduced fossil fuel consumption through the utilization of Alternative Fuel Resources (AFR). The energy efficiency roadmap, incorporates initiatives like Waste Heat Recovery Systems (WHRS), the reduction of fossil fuel usage through AFR, and the expansion of solar generation (104 MW at the group level).
- The organisation has designed/modified products to improve the environment characteristic mitigate environmental impact during usage and disposal, which include Portland Composite Cement that used maximum fly ash, which is the waste of Power Plants, PPC- Composite cement (Green Cement) that has the lowest clinker factor and Special putty, Silver Line Cement, Microfiber cement & Readymix, Instamix which require less water for construction.
- The organisation engages in various circular economy efforts to manufacture sustainable products. These include the strategic utilization of AFR to replace fossil fuels, specifically coal. Moreover, the organisation efficiently repurposes Carbon Black, a byproduct of the tire industry, as an alternate fuel source to offset coal consumption. The implementation of power generation from the waste heat of the cement process contributes significantly to mitigating power requirements from the Central Power Plant (CPP).
- There is 100% utilization of internally generated fly ash and bed ash for cement manufacturing. Additionally, the utilization of slag, a byproduct of the steel plant, is integrated into the cement manufacturing process, showcasing a holistic approach to waste reduction and resource optimization.

Commendation for Significant Achievement





Birla Corporation Ltd.



Birla Corporation Limited is the flagship Company of the Madhav Prasad Birla Group. Incorporated as Birla Jute Manufacturing Company Limited in 1919, it was late Mr M P Birla who gave shape to it. A century of experience, a skilled workforce and an innovative, customer-focused outlook have made the Jute Division of Birla Corporation Limited what it is today. Birla Jute Mills manufactures more than 120 tons of a variety of jute goods.

- The LCA study conducted by the organisation has enabled it to effectively monitor and manage its emission footprints, including dust, SO2, NOx, and CO2, demonstrating performance at 514 Kg/ton of cementitious material. The water footprint has been reduced to 3.36 times water-positive, a significant reduction in clinker factor to 62.3% achieved and the organisation has successfully utilized AFR to around 8%. There has been a 21.7% reduction in energy intensity, resulting in 1.98 GJ/ton of cement produced. The company has improved its Green Power Mix to 26%, representing a 3% increase.
- The organisation utilizes waste heat generated during the clinkerization process for power generation through the installation of a Waste Heat Recovery System (WHRS). All operational units are equipped with WHRS, collectively generating 44.85 MW of electricity, and eliminating the reliance on natural fossil fuels. The company has implemented approximately 42.2 MW of Solar Power Units, further demonstrating commitment to reducing carbon footprint through the adoption of sustainable energy practices.
- In the fiscal year 2022-2023, the organisation, dedicated to the conservation of fossil fuels successfully utilized approximately 1.21 lakh tons of various types of Alternative Fuel Resources (AFR) derived from agricultural waste, industrial waste, hazardous, and nonhazardous waste in both solid and liquid forms for the production of Green Cement. Green energy initiatives focused on reducing carbon footprints, include the installation of Solar Power Plants at different locations and currently, the organisation harnesses approximately 42.2 MW of solar power for captive consumption in its operations.
- The organisation has incorporated new technologies, including the upgradation and modification of the pyro system, raw meal grinding, cement grinding, and power generation. This has resulted in a significant reduction in energy and electrical consumption, leading to power savings. It has also facilitated raw-mix optimization, contributing to product improvements and overall efficiency. The implementation of digitization has led to an overall improvement in Raw Mix design, with enhancements in quality parameters and product characteristics such as strength and durability.

Commendation for Significant Achievement





Shriram Alkali & Chemicals; DCM Shriram Ltd.



DCM Shriram Limited, an offshoot of the DCM group, (Delhi Cloth & General Mill) is a leading business conglomerate, headquartered at New Delhi since 1990. The company's operations are predominantly based out of India, with one of its entities in the Philippines serving more than 60 countries across the globe. As an integrated business entity, DCM Shriram Ltd. encompasses business portfolios in Agri-Rural, Chlor-Vinyl, and other value-added businesses.

- The organisation has designed products/processes that are eco-friendly in nature and mitigate environmental impact during usage and disposal. These include-usage of washed salts in the production of Caustic Lye and Flakes to reduce generation of brine sludge and less consumption of chemicals; recycling the brine solution in production to minimize freshwater quantity; hydrogen is generated during the electrolysis process which is used as green fuel in flaker operation for caustic flakes production in place of natural gas.
- The organisation, through the optimization of the Sulphate Recovery System, has achieved a
 reduction in the generation of brine sludge. In the Aluminium Chloride Plant, modifications to
 the process have led to a decrease of 65% in the generation of solid hazardous waste. A food
 waste converter machine has been installed in the canteen, producing compost that is utilized
 within the green belt area of the plant premises to enhance soil health. Waste reduction is
 undertaken through the implementation of Sulphate Recovery System and Rotary Vacuum
 Drum Filter on-site.
- A reverse osmosis system has been installed for treating cooling tower blowdown, resulting in an
 improved cycle of concentration in cooling towers and a reduction in water consumption. A
 rainwater storage pond with a capacity of 1500 m3 has been established for water harvesting,
 and the collected rainwater is reused within the premises as needed. Domestic wastewater
 (sewage) is treated separately in a sewage treatment plant, with the treated water (80KLD) being
 reused for the development of the green belt on the premises.
- The organisation is consistently exploring options to reduce its energy consumption, thereby lowering costs, and positively impacting the environment. In the fiscal year 2022-2023, the organisation procured 1.3 MW of renewable energy (wind), equivalent to 20.95 lakh kWh. An agreement has been established for 50 MW of hybrid wind/solar renewable energy from ReNew Power for the chlor-alkali manufacturing facility in Bharuch. Capital investment in energy conservation equipment amounts to around Rs. 18.64 crore, with the potential to save 65 lakh kWh per annum.

ENVIRONMENT MANAGEMENT Commendation for Significant Achievement



integrä

Integra Software Services Pvt. Ltd.



Integra is a trusted partner in business processes and technology services for many leading organisations worldwide, offering AI enablement solutions, technology transformation, digital content, learning services, and content workflows. For 30 years now, Integra has been empowering customers of all sizes including Fortune 1000 companies, large global multinationals, and corporates.

- The organisation has an environment management system in place and 100% of sites are certified with ISO 14001. It is committed to green sourcing and the percentage of renewable energy against the total energy consumption stands at 10% and about 58% of the water used at Integra is treated and reused for lavatories and gardening. This saves 2.5 million liters of water each year. Integra Pondicherry office has been recognized as a Single Use Plastic Free Campus by the Pondicherry Pollution Control Board (Puducherry Government body)
- As part of their renewable energy initiatives, Integra has installed 100 KW solar power plants on the roof of its office building in Pondicherry. This installation has resulted in a 10% reduction in energy consumption and a 22% decrease against the load approved by the Electricity Board. They have replaced almost 95% of CFL lighting system with more energy-efficient alternatives. Additionally, LED-motion sensors have been deployed in hallways and restrooms to control lights, contributing to enhanced energy efficiency.
- Over the last decade, 10,000 trees have been planted by the organisation using the Japanese Miyawaki technique, thereby creating a minor forest on a piece of land that had become arid. This transformation has converted previously uncultivable lands into cultivatable ones. Today, Integra's private forestry hosts 10,000 trees comprising more than 100 different species, including native and endangered trees. An additional 20,000+ trees have been planted as part of the 'Green Kalam' initiative.
- The organisation has reduced usage of paper. As a content servicing company, they previously heavily relied on paper for proofreading and quality control activities. The company has successfully transitioned to online QC processes, resulting in a substantial reduction in paper consumption. The purchase of paper has decreased from 12,600 reams annually in 2011-12 to only 276 reams per month in 2022-23.





Vijayanagar Works, JSW Steel Ltd.



Over the years, the Vijayanagar plant has become a strategic first mover, embracing new technologies and evolving rapidly in terms of speed and quality. It has quickly established itself at par with the best players in the industry and has become India's best low-cost steel producer. Among other things, the direct reduction of iron, which all steel plants in the nation are embracing today, was first introduced at Vijayanagar Works.

- The organisation has obtained an Environmental Product Declaration, a Type III ecolabelling for all finished products. This is a registered document that communicates transparent and comparable information complying with EN 15804 and ISO 14025 standards. The objective is to enable and support organisations in any country to communicate quantified environmental information to customers on the life cycle of their products in a credible, comparable, and understandable way.
- The organisation has initiated production of briquettes, marking the establishment of the first plant of its kind in the country and one of the few globally to embrace mill-scale briquetting. This pioneering project extends beyond resource conservation and environmental cleanliness. Briquettes, a composite of coarse and fine wastes rich in iron (such as mill scale, BOF/HMPT dust, lime fines, CRM fines, HSM mills, SMS, BRM, and WRM mills), are created using molasses as a binder. These briquettes serve as a viable alternative to coolants (substituting for iron ore), while materials with high CaO content can replace lime in BOF.
- The organisation is first in the steel sector to convert steel slag to sand, an alternative to river sand. Dependence on river sand in the construction sector is so high that, it is getting depleted and exhausted, with excessive mining of the riverbed that will lead to an ecological imbalance. To address this issue, JSW has put its energies in converting Steel Slag into manufactured slag sand. This has been proven as a suitable material for replacing natural sand.
- The organisation employs state-of-the-art technology, utilizing metallurgical wastes such as Basic Oxygen Furnace, LD slag, ESP dust, Lime and Dolomite dust, as well as bag filter dust to produce Micro pellets. These Micro pellets, incorporated into the sinter-making process through the base mix, effectively reduce the generation of return fines and emissions from sinter plants. This technology offers advantages such as efficient dust evacuation, increased efficiency of air pollution control devices through reusing and utilizing bag filters and ESP, cost savings by substituting micro pellets for low-grade iron fines, and a reduction in emissions from the sinter plant stack.

Commendation for Significant Achievement





JSW Dolvi Works is India's first to adopt a combination of Conarc Technology for both steel-making and compact strip production, aiding the production of hot rolled coils. From automotive and industrial to consumer durables, Dolvi manufactures products that meet the needs of companies across sectors.

- Utilizing Life Cycle Assessment (LCA), the organisation has identified hotspots within the value chain of its products and is actively monitoring the progress of sustainability initiatives. The organisation has obtained product-specific Environmental Product Declarations (EPDs) for two key products—Hot Rolled Coils (HRC) and TMT Bar. These declarations adhere to transparent standards and undergo verification by external agencies in accordance with international standards.
- The organisation is registered on the centralized portal developed by Central Pollution Control Board under EPR. Plastic is not utilized for packaging and distributing the products. There is a commitment to collect and recycle plastic waste generated during imports, with a specific target set for recycling such plastic waste. At JSW Dolvi, a successful trial has been conducted for feeding plastic waste into the coke oven plant during charging.
- The organisation exemplifies its commitment to sustainable products through various initiatives: by realizing and projecting revenues generated from sustainable products; investing in research & development, product development, and market development specifically focused on sustainable products; certification of products through labeling and standardizing processes in accordance with ISO 14040 and 14044. 100% of the products from the unit have been covered under these sustainability certifications.
- To comply with environmental norms, the organisation has installed Maximized Emission Reduction of Sintering (MEROS) in Sinter Plant 2 and has plans to implement MEROS in Sinter Plant 1, aiming to reduce particulate matter emissions, with a budget of 130 crores.
- To maintain Zero Liquid Discharge, the organisation has installed an Effluent Treatment Plant (ETP) with a capacity of 250 m³/hr, incurring a cost of 37 crores. Additionally, there are plans to implement a Common Effluent Treatment Plant (CETP) with a capacity of 1200 m³/hr by 2027, involving a projected cost of 450 crores.

Biodiversity

This Award recognises companies for implementing measures related to conservation and sustainable management of biodiversity and ecosystem services in value chain. BIODIVERSIT





Godrej Construction; Godrej & Boyce Mfg. Co Ltd.



At Godrej Construction, the mission has been to create a world where nature and progress can coexist harmoniously. They have been producing greener construction materials and addressing the pressing issue of construction waste, being present in every stage of the real estate development life cycle.

- The organisation has embedded biodiversity in the environmental policies and, the Wetland, Horticulture & Environment Management departments are responsible for biodiversity management. All biodiversity related issues are explicitly mentioned in the ISO 14001 aspect-impact list, legal register, environmental objectives, and other documents.
- Conservation activities include physical protection of the mangroves and its surroundings, prevention of waste dumping by outsiders, maintenance of infrastructure like six nature trails, three thematic gardens, a marine aquarium, a watchtower, and a mangrove information center. The organisation also ensures prompt extinguishing of fires during summer and rescue-rehabilitation of wild animals in distress throughout the year in collaboration with an expert and authorized NGO.
- The awareness initiatives for external stakeholders in 2022-23 include enhancing the dedicated mangrove website referred to in 214+ countries so far, enhancing Asia's first Mangroves mobile app covering 67 species in 13 languages & downloaded in 130 countries so far, 127 awareness programs for external organisations covering 9291 participants, Magical Mangroves awareness campaign with WWF India covering 10500 participants and publishing of several articles and interviews in leading national newspapers.
- To minimize and rehabilitate the impact of production operations and the township on local biodiversity, the organisation maintains the Zero Waste to Landfill initiative to collect, segregate, compost and recycle 8 to 10 metric tons of waste on daily basis. This initiative avoids soil and water pollution, habitat degradation, emission of GHGs, leachate release and direct adverse impacts on plants and animals. Collection, treatment, and reuse of 60,000 cubic meters of wastewater is carried out on a monthly basis. The recycled water is used for industrial processes, cooling towers, flushing etc.
- Research, conservation, and awareness of Godrej mangroves at Vikhroli, Kanjur Marg and Ghatkopar at an expense of INR 0.58 Cr expense has resulted in management and enhancement of the mangrove ecosystem. Magical Mangroves conservation awareness campaign in 8 coastal states of India with INR 30,000 expense has resulted in awareness among 10,500 citizens on biodiversity & importance of mangroves.

BIODIVERSIT Excellence





JSW Energy (Barmer) Ltd.



Located close to its fuel source, the lignite mines in Kapurdi and Jalipa, the Barmer Plant is operated by JSW Energy (Barmer) Limited. The plant comprises of eight 135MW units that produce 1,080MW of power and use lignite as fuel. This plant was one of the first in India to have a dedicated 185-km pipeline constructed to source water from the Indira Gandhi Canal.

- There is a Biodiversity Policy in place with measurable commitments to reduce biodiversity impacts and dependencies of business operations and the supply chain. All employees are trained on biodiversity & ecosystem services- a) field-based training imparted to employees about biodiversity through activities like species identification, habitat assessment, and ecological monitoring, b) training focused on the legal frameworks, policies, and international agreements related to biodiversity conservation that quips participants with the knowledge and skills to develop and implement effective biodiversity policies and governance mechanisms c) training on energy conservation and water optimization.
- The organisation has a long-term biodiversity plan and a long-term vision of net zero loss at all locations by 2030- to increase the plantation with mixed trees of around 5000 trees in a year and restore the rivers to around 10 kms in surrounding areas as well as reduce freshwater consumption by 10 % by 2030. Based on the above vision, the organisation has targeted to reduce GHG emission to 50% (base line data 2020) by 2030.
- The organisation has developed questionnaires and collected information from critical suppliers about their biodiversity policy and standards. Projects undertaken by the organisation to improve biodiversity in protected/nearby areas are wetland restoration, saline pond maintenance and lignite transportation through closed conveyers in place of road transportation.
- The organisation's biodiversity impact assessment covers ecosystem services. Based on the IBBI- ESM tool, the critical ecosystem services related to specific ecosystems are- greenbelt pollution control, carbon sequestration, nutrient recycling runoff, control temperature regulation, noise reduction protection of saline wetlands, water recharge, habitat and nursery for aquatic birds, breeding and feeding ground for migratory birds, recreation reservoir, habitat and nursery for birds and fishes as well as supporting aquatic ecosystem among others.
- The organisation has conducted a 3-season study of biodiversity because the business has direct linkages in terms of raw material and continuous requirement of ecosystem services such as water supply, pollution control, flood control, etc. The biodiversity assessment helps in identifying risk areas for the business related to regulatory requirements, managing stakeholder relations and meeting customer requirements by developing nature friendly products.



TATA STEEL

WeAlsoMakeTomorrow

Noamundi Iron Mine (OMQ Division); Tata Steel Ltd.



Tata Steel Limited holds the Noamundi lease over an area of 1160.06 ha in West Singhbhum District of Jharkhand and is being worked for winning of iron ore having a capacity to produce 10.00 million tonnes per annum of Iron ore. Mechanized method of open cast mining has been adopted for mining iron ore in a series of 12 m high benches with the help of shovel-dumper combination.

- There is a Biodiversity policy in place with measurable commitment to reduce biodiversity impacts and dependencies of business operations and supply chain. The Corporate Sustainability team has been tasked with driving and coordinating the implementation of the Biodiversity Policy on ground. IUCN did the initial handholding to guide and roll out the Biodiversity Management Plan(BMP).
- Employees are provided with training on biodiversity that includes identification of the BMP and its assessment, awareness on biodiversity related topics by subject matter experts on development of butterfly garden, bamboo plantation, organic farming, restoration of ponds and aquatic bodies etc,
- Initiatives undertaken by the organisation to improve biodiversity in protected/nearby areas aredump stabilization by plantation of vetiver and other native grasses/shrubs at NIM, to facilitate vegetation re-establishment, lateral and vertical wildlife movement and to avoid spread of mine overburden beyond prescribed boundaries; bird niche nesting program at Noamundi that involves installation of boxes of various sizes on selected trees to attract birds to build their nests inside the box; afforestation and restoration of a more than 5 year old dump at Noamundi for enhancement of the green canopy cover.
- Sal Plantation and development of Sal nursery is carried out to develop this plantation outside the natural habitat to increase population in mining areas. The organisation develops fruit orchards in communities to provide a source of livelihood as well as fruits for the generations to come. They conduct programmes and sessions with local community on various topics such as Spot the Species; 'Green Therapy', 'Jaiba Kala Vividhata', 'Prajatiya Khadyotsav' and 'Snakes are Friends' etc.
- Specific habitat enhancement measures are being implemented to improve the overall biodiversity of the area. Sir Dorabji Tata Botanical Park, Noamundi which covers an area of 45 acres has been built on reclaimed iron ore mine. The park houses a cactus park which has 240 varieties of cactii and succulents. An Amazonian corner has been created in the park with trees of the Brazilian rain-forest variety like Uolicury, Mourubas, Gwarapur, Fishtail and Areca. The park also has 70 species of medicinal plants used in traditional medicines.



TATA STEEL

WeAlsoMakeTomorrow

Ferro Alloys & Minerals Division; Tata Steel Ltd.



Being the first Indian company to receive the prestigious Responsible Chromium Label from ICDA, Tata Steel Mining Limited (TMSL) is aiming to redefine the way mining is done through new technology, mineral conservation, sustainability and safety. With multiple state-of-the-art Ferro Chrome producing facilities, we are India's largest Ferro Chrome producer and rank within the top 7 Ferro Chrome producing companies globally.

- TSML is committed to reclaiming and restoring abandoned mines and overburden dumps through afforestation and landscaping, developing green belt in Ferro-alloy plants, and conserving natural resources and ecology through its Sustainability and Biodiversity Policy. In the last two decades, TSML has planted roughly 13.6 lakh saplings of 22 native species over 163 hectares of land in its Sukinda Chromite Mine and overburden dump using a scientific plantation technique known as "Miyawaki Plantation" in accordance with the IUCN biodiversity management plan in order to conserve and increase biodiversity.
- The organisation's biodiversity impact assessment covers ecosystem services. Ecosystem
 services review was conducted at Sukinda mining site and the response against these
 services have been included in the Biodiversity Management Plans. At the TSML level, there
 are 6 priority ecosystem services: a) maintenance of air quality & noise b) climate regulation
 c) fresh water d) erosion control e) regulation of water timing and flow f) capture fisheries.
- At Sukinda Chromite mine, the organisation has undertaken terracing the slope with the help
 of GEONET, coir matting done on dump slope to protect the inactive dump slope from soil
 erosion and a toe wall around the dump slope was built to protect it while also preventing
 erosion. Garland drains were made along the dump to channelize the effluent to the central
 Effluent treatment plant (ETP).
- Development of butterfly park in the butterfly garden 30 different species are present with 635 nos. of plants spread over 0.65 hectare. The creation of butterfly park with flowering shrubs and herbs, serving as feeding and breeding sites for butterflies, has resulted in remarkable increase in butterfly species diversity.
- Development of the herbal park in herbal garden, out of 50 species, 41 species are existing with 665 nos. of plants spread over 0.47 hectare. With respect to the development of nursery, in 0.24 hectares of land for sapling development, collection & preparation of local varieties of samplings though local seeds secondary shoot etc has been carried out.

BIODIVERSIT Excellence





TVS Motor Company Ltd.



TVS Motor Company, a renowned global manufacturer of two and three-wheelers, champions progress through Mobility with a focus on sustainability. Rooted in its 100-year legacy of Trust, Value, and Passion for Customers and Exactness, the company takes pride in producing internationally aspirational products of the highest quality through innovative and sustainable processes.

- The organistion has a certified environmental management system in place where biodiversity is addressed and has a long-term Biodiversity Management plan for 5 years. Some of the key initiatives during the stated period are - invasive species free site, strengthening greenbelt through Miyawaki plantation (a total number of 1865 plants from 19 species, planted in 3000 sq kms), conservation of Rare, Endangered, Threatened (RET) species, fauna protection and improvement of breeding habits, watershed development, soil and water conservation work as well as afforestation was carried out as part of CSR activities.
- There is a governance structure and system in place to follow the Biodiversity Policy. The Chairman Emeritus / Board of Directors conducts reviews, biannually, on biodiversity performance and decisions are taken during these reviews. However, prior to the final reviews by them, reviews are carried out by the Biodiversity Champion on a monthly basis followed by reviews by the Vice President - Estate Management and Biodiversity Advisor guarterly, termed as layered review.
- All employees are trained on biodiversity and ecosystem services. The programs include CII-IBBI certified business and biodiversity training, orientation program for new employees on nature conservation, solid and liquid waste management training program conducted by an expert attended by employees as well as supplier organisations. Under the snake conservation initiative, a snake rescue training program was conducted by Chennai Snake Park for selected security personnel from the company as well as supplier organisations.
- For more than two decades, the organisation has been the habitat for migratory birds like Painted Stork, Grey Heron, Darter etc. With the Biodiversity Management Plan, the company is working towards retaining the species by making the environment suitable for their breeding and for the numbers to multiply year on year. An internal survey has revealed that the Slender Loris, an endangered species, is also breeding in their forest. The recent wetland survey (synchronized bird census Phase 1 - wetland bird) by Forest Department of Tamil Nadu, Hosur Division has revealed the presence of painted stork breeding colony only in TVSM Hosur out of 15 wetland hotspots surveyed in the Krishnagiri District region.

LIST OF APPLICANTS

Corporate Excellence

- 1 Exide Industries Ltd.
- 2 Siemens Ltd.
- 3 Bharat Aluminum Company Ltd.
- 4 Dalmia Bharat Ltd.
- 5 Hindalco Industries Ltd.
- 6 Tata Steel Ltd.
- 7 Birla Corporation Ltd.
- 8 Grasim Industries Ltd.
 Units: Jaya Shree Textiles,
 Vikram Woollens, Grasim Premium Fabric

- 9 Re Sustainability Ltd.
- 10 SONA BLW Precision Forgings Ltd.
- 11 Steel Authority of India Ltd., IISCO Steel Plant
- 12 Sipat Super Thermal Power Station, NTPC Ltd.
- 13 Talcher Super Thermal Power Station, NTPC Ltd.

Corporate Social Responsibility

- 1 Schneider Electric India Pvt. Ltd.
- 2 Jindal Steel and Power Ltd.
- 3 NTPC Ltd.
- 4 SRF Ltd.
- 5 Indian Oil Corporation Ltd.
- 6 Cummins Group in India
- 7 Toyota Kirloskar Motor Pvt. Ltd.
- 8 Bharat Heavy Electricals Ltd.
- 9 WNS Ltd.
- 10 JSW Cement Ltd.
- 11 ReNew Pvt. Ltd.
- 12 JK Paper Ltd.
- 13 Bisleri International Private Ltd.

- 14 US Technology International Private Ltd.
- 15 Re Sustainability Ltd.
- 16 Sona BLW Precision Forgings Ltd.
- 17 Minda Corporation Ltd.
- 18 Manganese Ore India Ltd.
- 19 UltraTech Cement Ltd., Vikram Cement Works
- 20 Dalla Cement Works; UltraTech Cement Ltd.
- 21 Andhra Pradesh Cement Works; UltraTech Cement Ltd.
- 22 UltraTech Cement Ltd., Narmada Cement Jafarabad Works

Environment Management

- 1 JSW Steel Dolvi Works
- 2 Birla Corporation Ltd.
- 3 Tata Cummins Private Ltd.
- 4 ONGC Tripura Power Company Ltd.
- 5 Epsilon Carbon Pvt Ltd.
- 6 Shriram Pistons and Rings Ltd.
- 7 Apraava Energy Pvt. Ltd.
- 8 Manganese Ore India Ltd.
- 9 Delhi International Airport Ltd.
- 10 Re Sustainability Ltd.
- 11 Agrasen Engineering Industries Private Ltd.
- 12 Srichakra Polyplast (India) Private Ltd.
- 13 Integra Software Services Pvt. Ltd.
- 14 Vijayanagar Works, JSW Steel Ltd.
- 15 Panasonic Life Solutions India Private Ltd., Daman
- 16 JSW Steel Ltd., JSW Steel Coated Products

- 17 Shriram Alkali & Chemicals; DCM Shriram Ltd.
- 18 Risda Cement Plant, NU Vista Ltd.
- 19 Staple Fibre Division-Nagda; Grasim Industries Ltd.
- 20 Nuvoco Vistas Corporation Ltd., Chittorgarh Cement Plant
- 21 Tata Steel Ltd., Joda East Iron Mine
- 22 Mahle Anand Thermal System Private Ltd., Chakan, Pune, Plant -1
- 23 NTPC Ltd., Khargone Super Thermal Power Station
- 24 UltraTech Cement Ltd., Dalla Cement Works
- 25 Grasim Premium Fabric; Grasim Industries Ltd.
- 26 Tata Steel Ltd., Khondbond Iron & Manganese Mine
- 27 Chemfab Alkalis Ltd.
- 28 NTPC Ltd., Vindhyachal Super Thermal Power Station

Biodiversity

- 1 TVS Motor Company Ltd.
- Ferro Alloys & Minerals Division; Tata Steel Ltd.
- 3 JSW Energy (Barmer) Ltd.

- 4 Noamundi Iron Mine (OMQ Division); Tata Steel Ltd.
- 5 Godrej Construction; Godrej & Boyce Mfg. Co Ltd.

WINNERS OF 2023

CORPORATE EXCELLENCE





CII-ITC Centre of Excellence for Sustainable Development (CESD) 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. 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.

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