



ANNUAL REPORT 2016-17



Confederation of Indian Industry



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Confederation of Indian Industry



GreenCo Vision

Be a catalyst for 'Greening' Indian industry and facilitate India to become one of the global leaders in Green Businesses by 2022



GreenCo Mission

To facilitate indian industry make a substantial improvement in their environmental performance thereby saving both natural and financial resources"



Message From Chairman, CII Godrej GBC



Jamshed N Godrej
Chairman - CII, Godrej GBC



Dear Friends,

Green practices are no longer an extra discipline but an integral part of business acumen; pursuing sustainable growth through preserving the environment is the mantra adopted by Indian industry. Opportunities to increase competitiveness by going green and improving resource efficiency are widespread and far-reaching. Companies that are prepared to exploit these opportunities will gain a competitive advantage.

The art of managing constraints, and the innovative thinking that emerges as a consequence, has offered solutions that make our living and businesses more sustainable. This is what green is all about, and this is what the GreenCo Rating System advocates. GreenCo evaluates the performance of companies on the ecological front in a holistic manner and guides these enterprises to make their products, services, operations and supply chains greener.

We are extremely heartened by the response that GreenCo has been receiving. We are glad to announce that as of June 2017, 128 companies are GreenCo rated and more than 300 companies are at different levels of execution of the rating system.

The GreenCo rated companies have not only reduced their environmental impact in their plants but have also facilitated introducing GreenCo in their supply chain through GreenCo SME Rating. It is encouraging to know that companies have been realizing substantial benefits, both tangible and intangible.

GreenCo rating has been acknowledged as a voluntary initiative from the industry in Government of India's Intended Nationally Determined Contribution (INDC). We are all encouraged by this recognition. I appreciate Mr Pradeep Bhargava and his team, for their passion and commitment in taking forward the GreenCo movement across the country.

We look forward to GreenCo becoming a key component in the green development of India.

Regards
Jamshyd N Godrej

Message from Chairman, GreenCo Council



Pradeep Bhargava
Chairman - GreenCo Council



Dear Friends,

We are very pleased to know that the Indian industry has appreciated the fact that 'Green Makes Good Business Sense'. While the GreenCo journey has been challenging and tough, it has also been fruitful and enriching.

Backed by an industry that is receptive to new ideas that benefit a larger cause, the GreenCo Rating System has been receiving tremendous support and interest. GreenCo has been leveraging its strength of multi-sector applicability, depth & spread, and simplistic yet holistic design to reach out to companies across various sectors, regions and sizes.

The GreenCo Rating System proves itself to not just be a rating system but a mechanism to help companies evolve as those exhibiting superior environmental responsibility and performance. We are glad to witness that companies have started excelling in areas that they were already good at; but it is even more heartening to see that companies have explored fields that were not in their focus earlier and have put in efforts to improve their performance.

I heartily thank all our GreenCo Forum Chairmen and Co-Chairmen, committee members, and assessors for accelerating the GreenCo movement. We appreciate all the GreenCo rated companies for taking such big strides towards environment sustainability. The need of the hour is to build on momentum and make concerted efforts in facilitating a greener India.

Regards

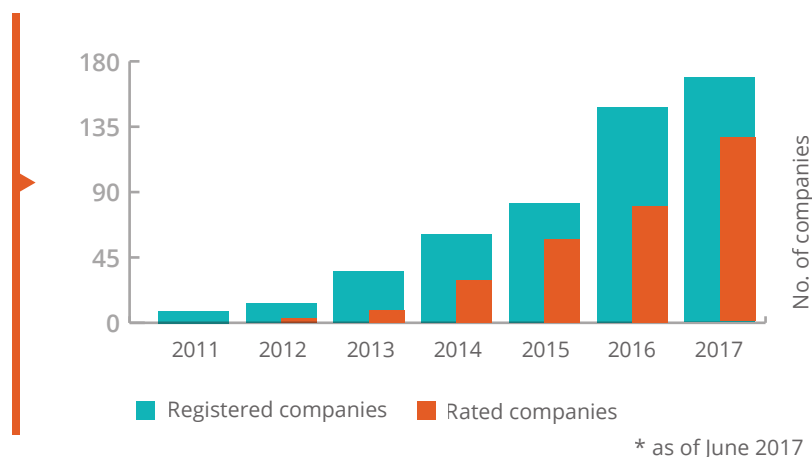
Pradeep Bhargava

GREENCO 2016 - 17

At a Glance

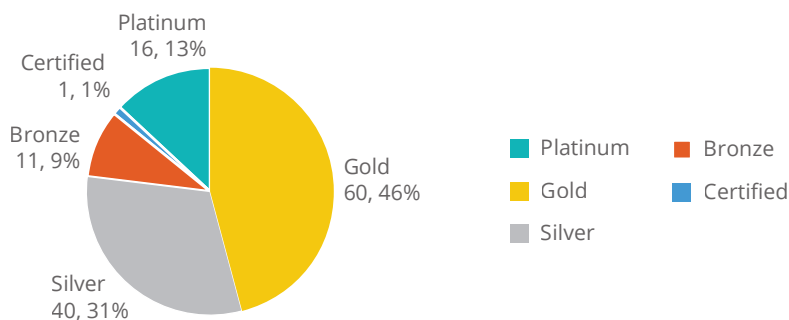
GreenCo Registered and Rated Companies

The GreenCo Rating System was launched in the year 2011 and the first set of assessments were carried out in the year 2012. Since then, GreenCo has been receiving a very good response from the Indian Industry.



During the development of the GreenCo Rating System, due consideration was given to the fact that, different companies are in different stages of learning and implementation when it comes to its green practices. GreenCo companies range across all levels of the GreenCo rating system.

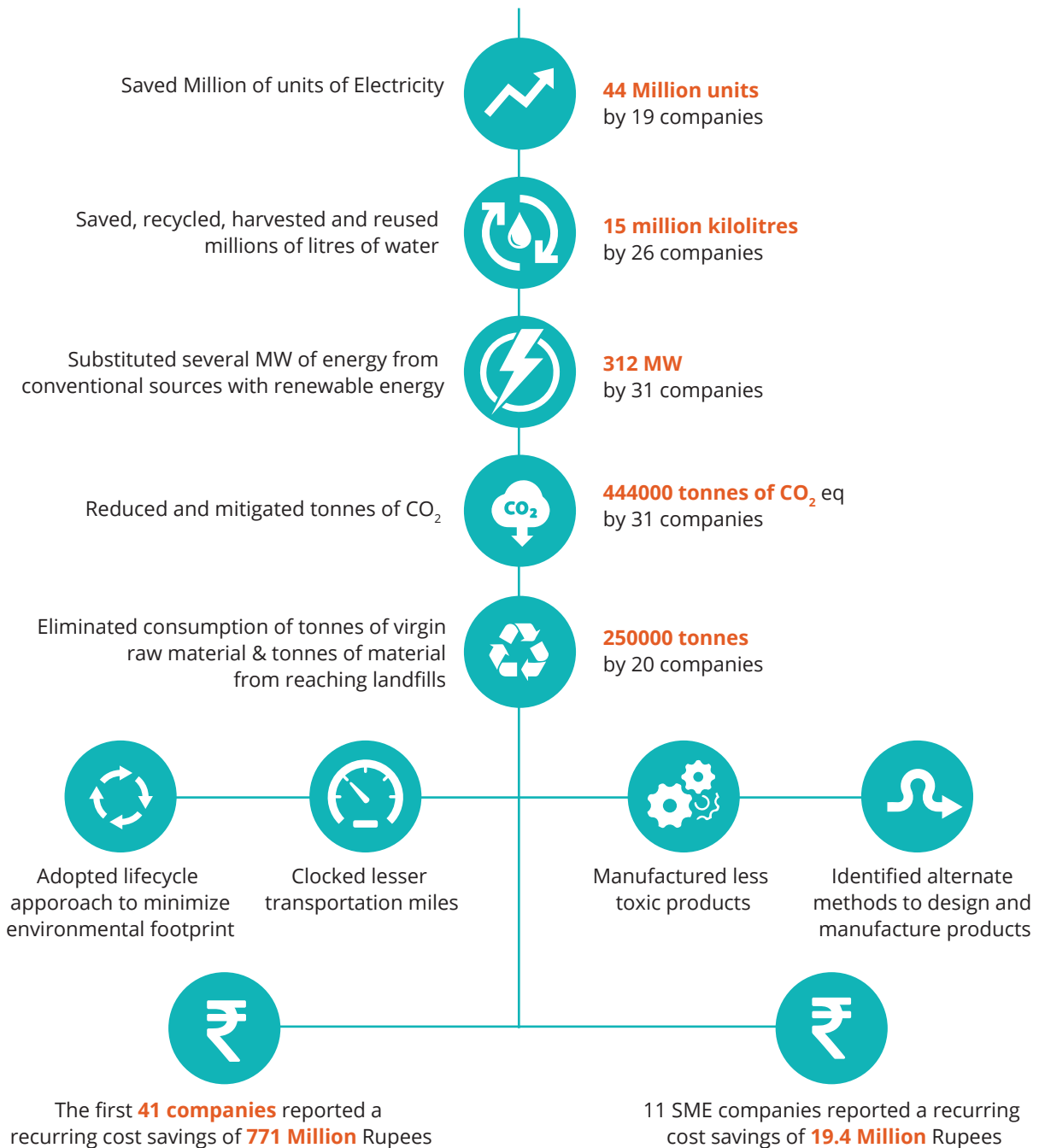
Rating levels of GreenCo Rated Companies



52 Companies have saved ₹ 790.4 Million

The benefits of the GreenCo Rating System are clearly visible, witnessed by companies, quantified and shared, thereby proving "Green makes business sense"

GreenCo rated companies have...

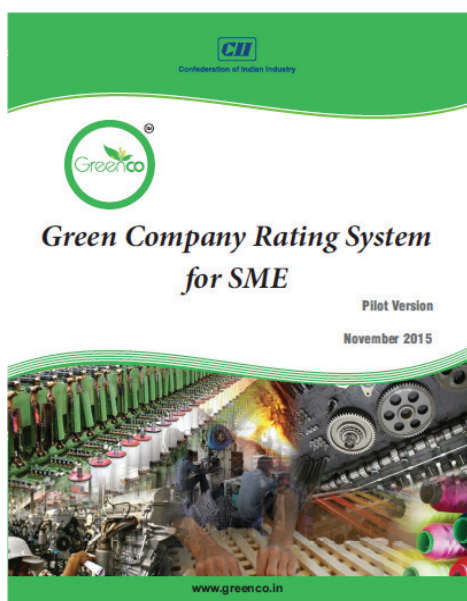


GreenCo's Sector Spread

The GreenCo Rating System, has been developed to accommodate the entire spectrum of the Indian industry. It was developed by the industry, for the industry. While, GreenCo is applicable to almost all sectors of the Indian industry, it also addresses specific areas within each sector differently. GreenCo's motive is to green the Indian industry, encouraging every company to pursue green and become globally competitive.



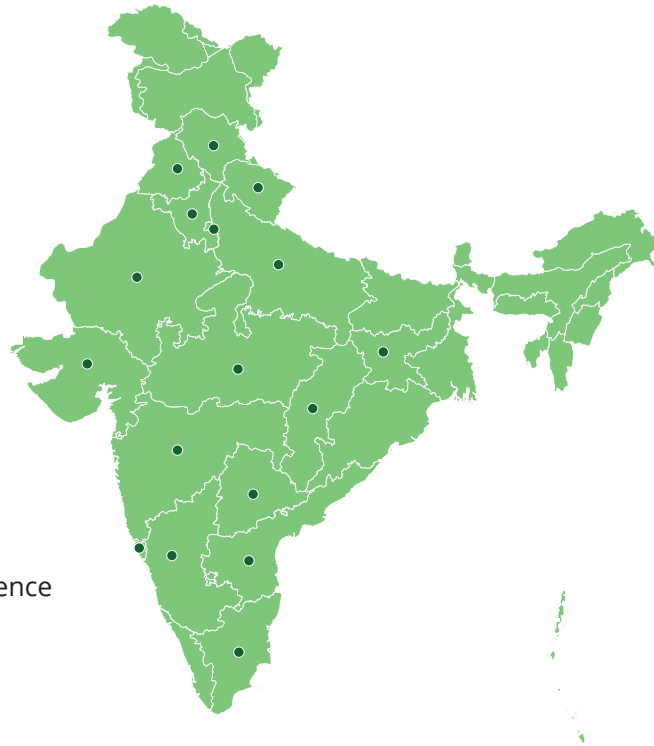
While the GreenCo rating is a common framework that is equally adopted across all sectors, the rating system has also been fine-tuned to meet certain sector requirements.



GreenCo's Geographical Spread

Not just the sector-spread; GreenCo's geographical spread has also been promising.

GreenCo Rated Companies are located across 16 States, 3 Union Territories and 68 different places across the country.

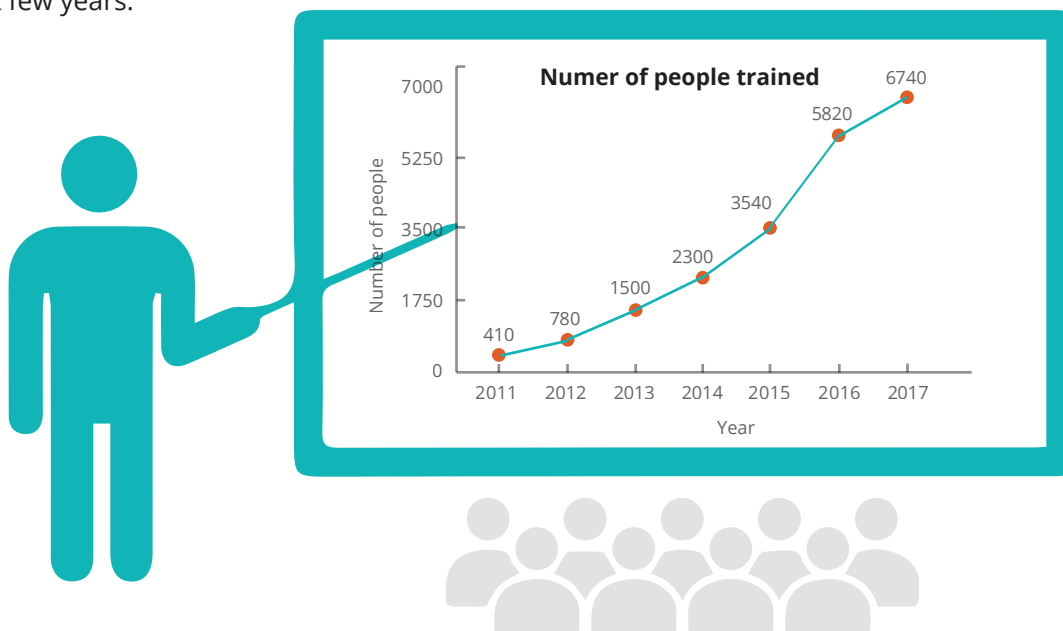


● GreenCo Company's Presence

*Map not to scale

People Trained

GreenCo strongly believes in constant learning, training and development. GreenCo in its endeavor to create a learned and a continuous growth in GreenCo rated companies, has trained more than 6740(cumulative) people in the past few years.



New Partnerships

New companies, new sectors, new regions; GreenCo has also entered into new partnerships. CII signed a Memorandum of Understanding with the Indian Railways in July 2016, to facilitate green initiatives. All railway factories and workshops are adopting the GreenCo Rating System to improve their environmental performance. Four workshops and two production facilities have been rated as of June 2017 and 30 other workshops and 6 production facilities are in the process of implementing the GreenCo rating system..



MoU between Indian Railways and CII



GreenCo Award by Hon. Railway Minister Mr. Suresh Prabhu

Spearheads of **GREENCO MOVEMENT**

GreenCo is envisioned to create a green movement in the country. This section provides a brief overview of the spearheads of the GreenCo Movement.

GreenCo Summit

GreenCo's flagship event, the GreenCo Summit is organized every year in June, with a view to further accelerate the adoption and promotion of GreenCo concepts across the Indian industry. It opens up avenues for enhanced learning, new partnerships, networking and green growth. The GreenCo companies are awarded with their GreenCo shields during the Summit.

GreenCo Summit Gallery

Year - 2013



Chief Guest Address
by Late Dr APJ Abdul Kalam



Release of 10 years
of GBC Publication



Awards for GreenCo
rated companies

Year - 2014



Chief Guest Address by
Mr Suresh Prabhu



Inaugural Session



GreenCo Award Recipients

Year - 2015



Address by
Ms Ayumi Fujino



Awards for GreenCo
Rated Companies



GreenCo Forum
Annual Members Meet



Panel Discussion on
'Greening your Company'



Release of GreenCo
Case Study Booklet



Release of GreenCo
Coffee Table Book

Year - 2016



Chief Guest Address
- Mr Nitin Desai



Inaugural
Session



Awards for GreenCo
Rated Companies



GBC Advisory
Committee



Release of GreenCo
Best Practices Publication



GreenCo Assessors
- GBPA 2016

GreenCo Forum

GreenCo Forums are catalysts for the GreenCo movement in the country. The GreenCo Rating System, through its various forums, aims at creating a common platform for industries, to learn from each other and replicate best practices, through one-to-one interactions, presentations, site visits and many more. Every forum meets on a triannual basis. Plant visit of the hosting GreenCo rated company is carried out to understand the GreenCo journey and initiatives taken by the plant. The forums have also actively supported several suppliers and distributors, highlighting their products and services to facilitate green growth of the industry.

GreenCo Forum Dashboard



GreenCo Forum Gallery

Bangalore



Mr Chandrasekhar
Chairman, CII-GreenCo Forum, Bangalore
& Managing Director, Bhoruka Power



Mr P S Narayan
Co-Chairman, CII-GreenCo Forum,
Bangalore & Vice President & Head
- Sustainability, Wipro Ltd

Chennai



Mr V Narasimhan
Chairman - GreenCo Forum, Chennai
Chapter & Executive Director (Foundry),
Brakes India Ltd



Mr K A Unni Nayar
Co-Chairman, GreenCo Forum -
Chennai Chapter & Vice President - Works
JK Tyre & Industries Ltd-Chennai Plant

Hyderabad



ITC - Mr Sanjay Singh
Chairman, CII-GreenCo Forum
Hyderabad & Chief Executive,
ITC Ltd - PSPD

Kolkata



Mr Abraham Stephanos
Chairman, CII-GreenCo Forum, Kolkata &
Managing Director, Tata Steel Processing
and Distribution Limited

Mumbai



Mr S R Lohokare
Chairman, GreenCo Forum,
Mumbai Chapter & Managing Director,
National Peroxide Ltd.



Mr K N Rao
Co-Chairman, GreenCo Forum, Mumbai
Chapter & Director
(Energy & Environment), ACC Ltd

New Delhi



Mr Vikram S Kasbekar
Chairman, CII-GreenCo Delhi Forum
& Executive Director - Operations (Plants)
Hero MotoCorp Limited

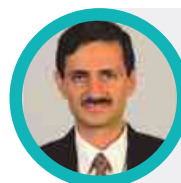


Mr Amit Saha
Co-Chairman GreenCo Delhi Forum &
Chief Sustainability Officer and VP
of Quality, - Safety, Environment & Health
at Coca-Cola - India and SWA

Pune



Mr Anil Sinha
Chairman, GreenCo Forum, Pune Chapter
& Head Quality - CV Business Tata motors
limited



Dr Sachin Vinayak Damle
Co-Chairman- GreenCo Forum,
Pune & Application Engineering Leader
Industrial Engine Business Unit,
Cummins India Ltd



GreenCo Assessment Panel

GreenCo's Assessors play a catalytic role in accelerating the GreenCo Movement. The GreenCo Assessment Panel is a combination of highly qualified individuals from several sectors with rich, diverse experience. Their technical capabilities, their spirit to contribute and make a difference, has been the strength of the GreenCo assessment panel.

Mr L S Ganapati

Chairman, CII GreenCo Assessment Panel

GreenCo Missions

As rightly stated, seeing is believing, GreenCo encourages companies to be more transparent in terms of their green and environmental sustainability practices. The GreenCo Missions, target the best GreenCo rated industries across different sectors, and carry out visits to those industries. Participants see to believe the best practices implemented and benefits the company has achieved in this regard. Four major missions were conducted in the past year.

Glimpse of GreenCo Mission



Toyota Kirloskar Motors Pvt. Ltd.,
Bangalore



PoinTec pens Private Limited.,
Bangalore



Kesoram Industries Ltd.,
Vasavadatta Cement, Sedam



Godrej & Boyce Mfg. Co. Ltd.,
Appliances Division, Shirwal

GreenCo e-group

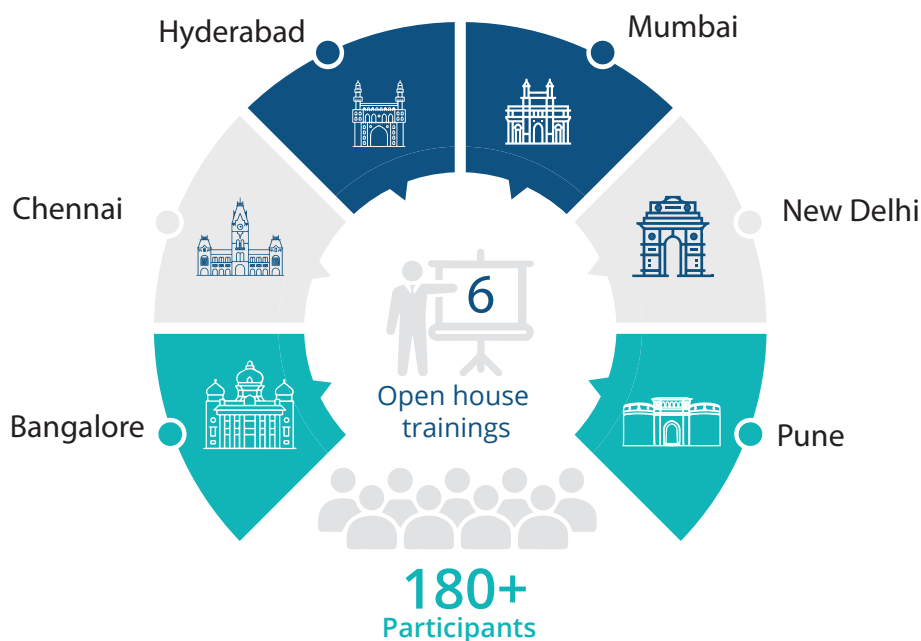
The GreenCo e-group is an online platform that connects members across industries, sectors, companies and regions.

It sensitizes its members on latest technologies in the market, implemented technologies, best practices spread across industries and many more. The objective of the GreenCo e-group is constant learning and development.



GreenCo Open House Trainings

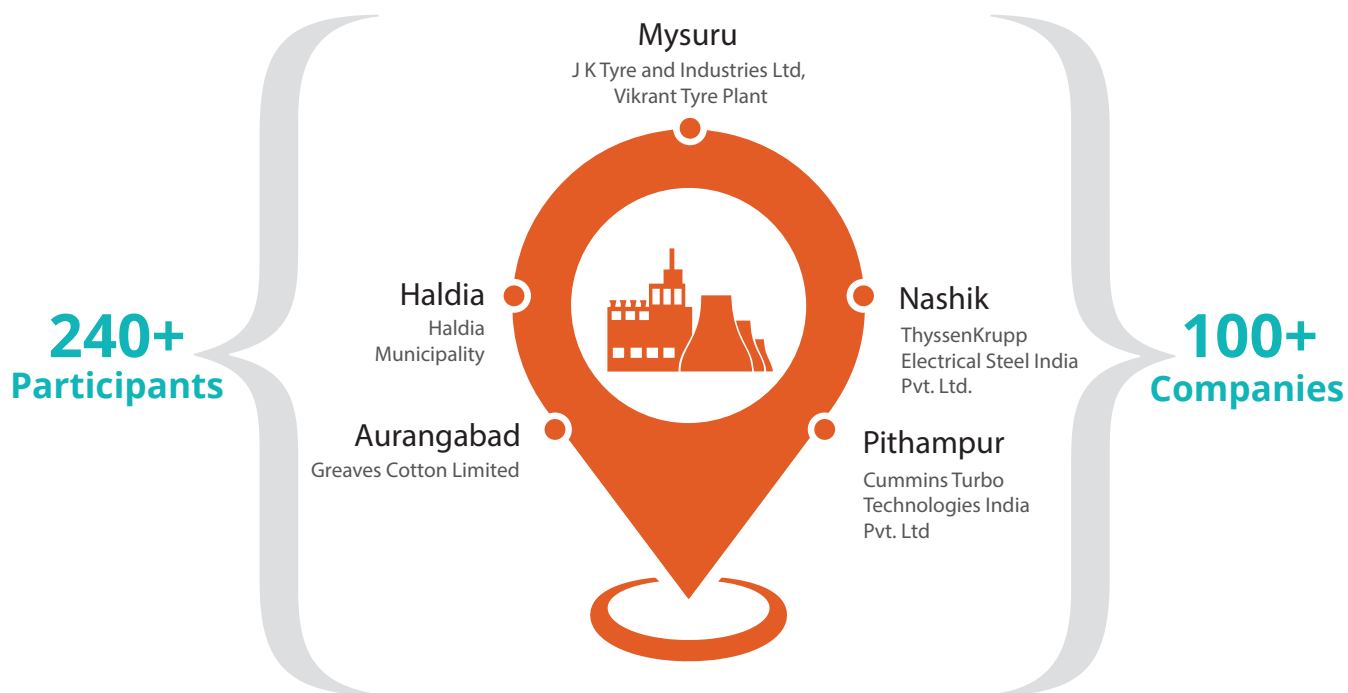
GreenCo's concepts are explained to the industry through several open house trainings, that cover participants representing diverse sectors and regions. The two full day trainings address all of GreenCo's philosophies, concepts and requirements, in addition to creating a general awareness of all its parameters.



GreenCo Awareness Programs

GreenCo believes in inclusive growth and sustainable development of the Indian industry. It was an imperative to reach out GreenCo to tier 2 & tier 3 cities and progress towards green growth. GreenCo's function of awareness programs for industrial zones in tier 2 and tier 3 cities works to achieve this goal.

5 major industrial clusters



Haldia



Mysore



Pithampur

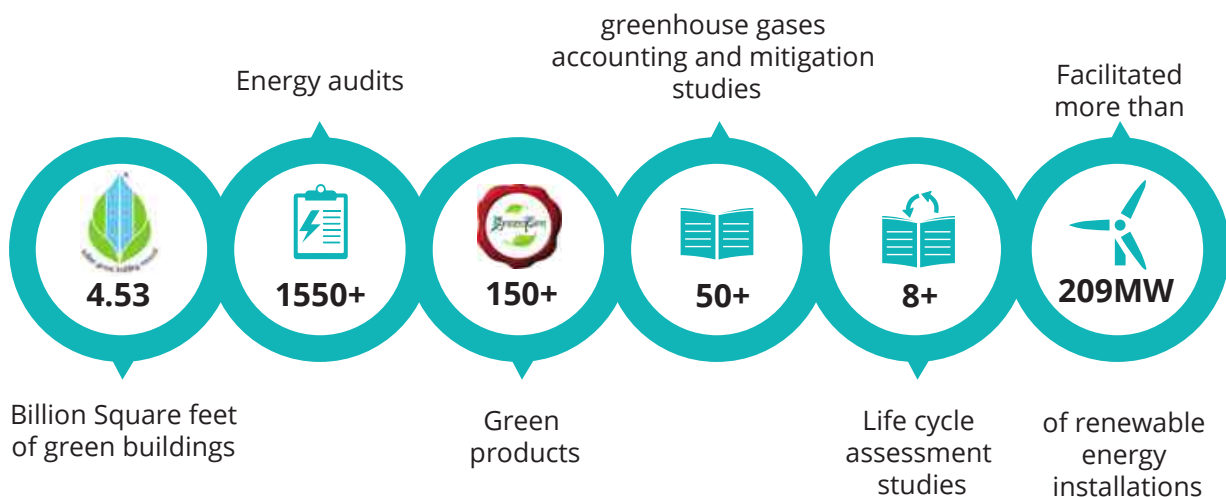
GreenCo Education Programme

GreenCo offers an additional value addition when there is a constant learning and implementation in the rated units. GreenCo aims to enhance the knowledge and build capacity of the nation to global green standards. The GreenCo education programme is working to publish GreenCo education material on all aspects of environment sustainability such as renewable energy, greenhouse gas emissions mitigation, water conservation, waste management, green supply chain, product stewardship and life cycle assessment.



Allied Services from GBC

In addition to the GreenCo Rating System, CII – Sohrabji Godrej Green Business Centre, the Centre of Excellence for Energy and Environment, offers several other services, namely, energy management and audits, green buildings certification, renewable energy facilitation, green product certification, waste management, climate change mitigation and cleaner production process.





THE INDUSTRY Speaks

GreenCo has enhanced competitiveness of its participating companies; a deep proficiency that has helped the companies to stay ahead in terms of their environmental performance. GreenCo has created a sustainable competitive advantage for the participating companies over the others who haven't explored the benefits that GreenCo has to offer.

Beginning from being a performance monitoring tool to yielding significant material and cost benefits, it is not just what we think GreenCo has been doing for companies; it is what "The Industry Speaks" about GreenCo. Provided below are select paraphrases from various companies on their GreenCo experiences.



Creating Signature Experiences



“GreenCo has provided us with a new perspective to our way of looking at green and environmental sustainability. GreenCo brought together employees from all departments and verticals to work on this collective aspect of sustainable and green growth. The cultural change and the impact that it has made, has earned us our Gold rating. We look at GreenCo as an important tool that will continue to guide and shape SPB in its various green initiatives.”

N Gopalaratnam

Chairman
Seshasayee Paper & Boards Limited, Erode

A visible, distinctive element of an organization’s overall employee experience is the its signature experience. Signature experiences create value for a firm and more importantly, reflects the organization’s culture and values.

A signature experience is induced through a composite of everyday routine and signature processes, indigenous to the organization. It reflects the company’s heritage and the ethos of the leadership team. This is precisely what GreenCo has done for companies; create signature experiences. It has fed into the value system of companies, the responsibility of being green, and catalyzed the process of going green. GreenCo, though adopted differently in different organizations, can be considered indigenous to each of them. Companies that have diligently adopted GreenCo, now reflect green as a culture, a culture that begins from the leadership team and percolates to all employees down the line.

It is also important to note that cultures are dynamic. An end point or a destination is never to be achieved, in the sense, the organizational culture should always be continuous learning and development – which is again GreenCo’s philosophy too.



Enabler of Resource Conservation



“Godrej Interio has always been a forerunner in green initiatives. With GreenCo’s introduction in our business activities, we were able to explore further opportunities in making greener products through greener processes and operations. GreenCo highlighted our strong points for us to further strengthen on, and other areas to strategize and improve. Having seen the benefits of adopting GreenCo at Godrej Interio, we have encouraged our suppliers to take up GreenCo through cluster initiative.”

Mr Zurvan Marolia

Senior VP & Product Supply Head
Godrej & Boyce Mfg. Co. Ltd., Interio Division

India is no longer considered a developing country; it has moved over from a developing economy to an emerging economy. A higher economic growth also means greater use of natural resources and increased stress on the environment. Therefore, there is an urgent need to establish environmental sustainability in every activity we do. In a modern economy, environmental sustainability will play a critical role in the growth strategy of an organization. With the interdependence of society and the natural environment, there lies a need to effectively tackle environmental impacts addressing all its related concerns. An attempt to conserve resources through process enhancement has achieved significant results for many companies. GreenCo serves as an enabler of resource conservation.

Godrej Interio Division at Shirwal, as a customary of the Godrej group, has adopted several green initiatives in its manufacturing and operations. Catering to more than 150 million plus customers, Interio’s portfolio includes furniture solutions for homes and workspaces. Interio adopts a five-step approach towards reducing material consumption during manufacturing that includes reduction in waste during design, reduction in process rejection, reuse in alternate products, use of alternate size raw material, and re-optimization of the product. These initiatives have contributed to significant savings in materials and thereby all associated costs. Interio has also eliminated use of certain chemicals in its resin formulation, by switching on to safer chemicals thereby avoiding use of toxic substances in the product. In addition to its existing practices, GreenCo has served as an enabler of resource conservation and elimination of toxic chemicals in Interio.



Inculcating green practices



“The importance of going green, knowledge of prevailing green practices, alternate outlook to undertake green practices, skills to implement the green practices – is what GreenCo has offered to CWPER. For a big organization like that of the Indian Railways, GreenCo has inculcated green practices in individuals and the organization as a whole.”

P. Mahesh

Chief workshop manager
Carriage & Wagon Workshop, Perambur, Southern Railway

An accelerated growth is observed in the consumption pattern of individuals and organizations worldwide. The increasing consumption trend is definitely an alarming trend. The relevance of adopting green practices has been brought to light in individuals and organizations. While being aware is the first step towards taking forward conservation initiatives, it is extremely important to inculcate green practices in individuals and organizations. The knowledge of green practices and the required skills to take up the challenges in pursuing green is the need of the hour. GreenCo, indeed has been demonstrating the same; inculcating green practices in individuals and organizations.

The fourth largest railway network in the world, the eighth biggest employer in the world and the second biggest in the country, the Indian Railways, known for its excellent transportation service, is now finding its way into green practices. Several factories and workshops of the Indian Railways are going the GreenCo way to green their operations and practices. Indian Railway's Carriage & Wagon Workshop at Perambur (CWPER), initiated several activities as a part of their GreenCo journey. GreenCo has helped CWPER bring in a focused approach towards green practices by strengthening its energy conservation initiatives, facilitating renewable energy opportunities keeping its long-term energy security in mind, methods to monitor and reduce water consumption, treat and recycle waste water and so on. CWPER has also utilized GreenCo as an opportunity to work with its suppliers in greening their operations. The awareness and training imparted to employees and other relevant stakeholders is extremely impressive. GreenCo has inculcated green practices in a big network like that of the Indian Railways.

GreenCo has sowed the seed in a small portion of a huge network; its expansion and propagation will impact a greater part of the network, leading to an inclusive growth.



Designing Responsible Supply Chains



“GreenCo has widened our perspective and understanding on sustainability and taught us some of the global benchmarked practices on Product stewardship and LCA. It helped us extend our green initiatives to our supply chain and also to the communities beyond our factory walls. GreenCo has integrated our lean and green practices, proving that they do not contradict each other, and working on it made complete business sense for us. We at GAD, Shirwal and Mohali, strive for continuous improvement and look at GreenCo as an enabler.”

Hussain Shariyarr

Sr. Vice President – Operations
Godrej & Boyce Mfg. Co. Ltd., Appliance Division

Businesses have evolved over time, placing an emphasis on their strength and handing down other activities to their suppliers. As an organization grows, it is highly likely for its supply chain to deepen as well. A responsible supply chain will serve as a competitive advantage when innovations are introduced in its practices. Businesses have moved on from a pure profit thinking, to take on wider responsibilities revolving around environmental and societal impact. Extending this, businesses should also create healthy supply chains. More often than expected, supply chains are major sources of gaining a competitive edge in the market. Companies need to step up to the plate, to meet the challenge of extending the responsibility into the supply chain. Evidently, GreenCo drives companies to build responsible supply chains.

Godrej Appliances Division (GAD), that manufactures refrigerators, air conditioners and washing machines, is re-designing its supply chain through a cluster approach. The initiatives carried out through the supplier clusters facilitate the development of a truly sustainable supply chain for Godrej. Expectations are developed for Godrej's suppliers that drives the suppliers to put systems in place that can meet Godrej's requirements. Ambitious yet attainable targets are put forward and momentum is created by tracking supplier performance against targets. Dedicated resources are allocated to guide and train the suppliers on enhancing their performance. GAD, also guides its suppliers into adopting GreenCo, out of which 19 are already GreenCo rated. GreenCo is driving companies beyond supply chains - designing and empowering responsible supply chains.



Driving beyond requisites

“GreenCo drove innovation in our unit. A unit that initially used to focus on bottling LPG, now focuses on greening its entire operations. We started looking beyond our regular functions and took up GreenCo to bring in a more focused approach to our green initiatives. Over the course, GreenCo has motivated us to innovate every activity that we do, thereby earning us the Platinum rating.”



Srinivas Rao Nalli

Chief Regional Manager
Hindustan Petroleum Corporation Limited

The organizations that adopt an ambitious performance-based approach over and above compliance while going green, enjoy benefits that outweigh the costs incurred to business. Real value addition occurs, when outside-the-box thinking is done. GreenCo encourages companies to think and perform beyond compliance. Hindustan Petroleum Corporation Limited's, LPG Terminal located at Vizag, caters to nearly 20 Lakh households with the help of more than 100 LPG distributors. Operating such a large fleet directly reflects the quantum of vehicular pollution that is being created. To obtain a pollution under control certificate from transporters is a regular practice by industries. However, in reality, the amount of emissions that we see around doesn't really reflect controlled pollution. HPCL, initiated a very interesting project to monitor the tail gas emissions of its transport providers' trucks. Their objective was to create a robust monitoring system to actually keep vehicular pollution under control. A standard smoke opacity meter, measuring the Hatridge Standard Units (HSU) was used to analyze the emissions trend. HPCL, also came up with a system to carry out a hydrogen ion based cleaning for engines. The results – observable increase in mileage, nearly 10% reduction in NOx emissions, approximately 200 KL fuel savings, 13-Million-rupee savings and mitigated 600 tonnes of CO₂.

GreenCo has driven innovation in functioning of normal process, leading to responsible business, associated savings and performing beyond compliance.



Effectiveness monitoring tool

“Tata Motors upholds its age-old legacy through continuous improvement and constant ventures into new initiatives. One initiative that brought in new perspectives and challenges to status quo, is the GreenCo rating system. It gives us a sense of pride to mention that six out of our seven units are GreenCo rated. We now use GreenCo as a benchmarking and a monitoring tool amongst our units. GreenCo helps us set and break our own benchmarks.”



Arvind Bodhankar

Head - Corporate SHE & Sustainability
Tata Motors

Companies that have started early in their journey of environmental sustainability, are stepping into even critical and intricate areas of sustainability. In their journey of becoming green and sustainable, companies should also focus on developing monitoring tools to gain insight on their overall environmental performance. Not just insights, monitoring tools will also provide the effectiveness of the various initiatives taken by the company. GreenCo has been “the effectiveness monitoring tool” for several companies.

Tata Motors Limited (TML), a leading global automobile manufacturer of cars, utility vehicles, buses, trucks and defence vehicles has adopted GreenCo as its performance monitoring tool across all its units in the country. TML’s units at Pune, Jamshedpur, Pantnagar, Lucknow and Dharwad are GreenCo rated units. TML, now uses, GreenCo as an effectiveness monitoring tool. TML adopts a continual improvement approach. GreenCo has provided TML with clear indicators for every area of environmental sustainability, for it to measure and report outputs to reflect its stated objectives. It guides them in a result-oriented direction and provides a rationale to set performance targets for the future. The units set benchmarks internally and break their own benchmarks to outperform each other. Clearly, GreenCo serves as an effectiveness monitoring tool for Tata Motors Limited.



Redefining Business Activities

Redefining the way business activities are carried out, is being viewed as an important strategy towards enhancing environmental sustainability. Looking at sustainability through the lens of innovation for the processes and products, will add more value to business, new value to customer and eventually influence economic systems; simultaneously reaping all of these benefits while taking the leap towards sustainability. Innovations and changes at the design stage is critical due to the fact that resource utilization is decided at this stage – materialization and dematerialization of products happens at this stage. Embedding sustainability at the design stage drives product attributes and influences consumer behavior. Visibly, GreenCo encourages companies to redefine its business activities.

Godrej's Locks manufacturing division, ensured that it adopts this principle of redefining its business activities by giving its products a life cycle perspective. When a product's entire life cycle, beginning from raw material extraction to end-of-life product handling, then it is considered a life cycle perspective. Godrej locks carried out a life cycle assessment study for its safe deposit lock to identify opportunities for design improvement and ascertain ideas for future products. As a result of the study, the maximum environmental impact was identified to be attributed to the utilization of electricity and material for manufacturing. The process uncovered significant opportunities to reduce the energy and material usage to manufacture a safe deposit lock. Godrej Locks, replaced the use of brass with high strength steel, which reduced the overall environmental impact by 10% and incidentally significant cost savings as well.

GreenCo, has educed the idea of developing alternatives to current ways of doing business – redefining business activities.

GREENCO'S PRIORITIES/ FOCUS AREAS 2017-2018

250+ GreenCo Assessments

500+ GreenCo Certified Professionals

Reach out to
New Sectors



500+ Trained people
on GreenCo

50 Certified GreenCo
Assessors



**POOL OF GREENCO
AMBASSADORS**

FOSTERING AN ALL Embracing Green Growth

Guiding industries towards an all-embracing green growth is GreenCo's aspiration. In addition to rating industries as per the guidelines, GreenCo also aids in capability building of companies, through various other services, national and international partnerships and projects. This section presents a glimpse of GreenCo's partnerships and other activities.

Energy Efficiency

Energy efficiency activities has been the Green Business Centre's forte. Services and projects have been extended and executed in diverse sectors ranging from energy audits, focused energy efficiency improvement projects, knowledge and technology transfer internationally, financing facilitation, policy interventions and many more.



Renewable Energy

Initiatives to scale up renewable energy is carried out through bringing in policy and market reformations in the field of renewable energy. GPMDG, is our highly interactive platform, that creates a demand for renewable energy, puts forward available and emerging technologies, brings together service providers, financiers, users and the government to develop a strong business case.



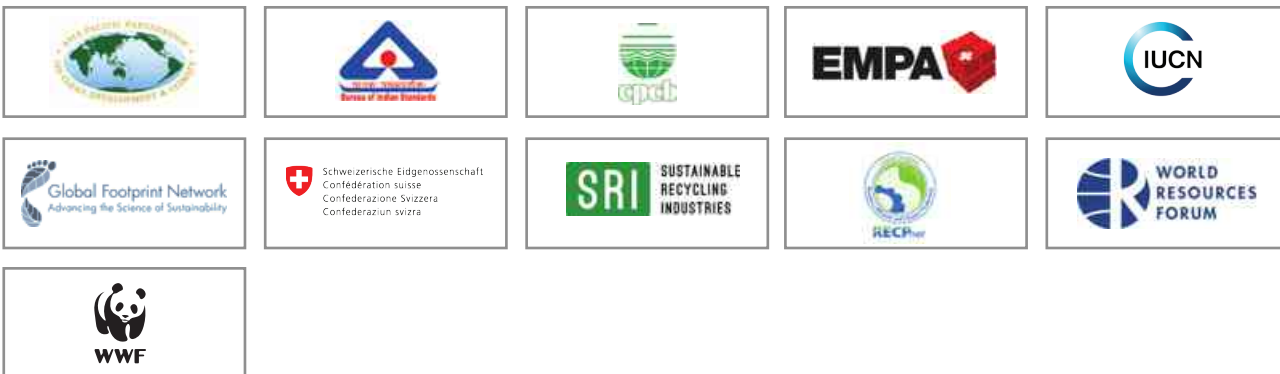
GHG & Climate Change

Building institutional capabilities in Indian businesses on prime environmental aspects is the ultimate objective. Partnerships with National and International agencies have facilitated international practices on GHG accounting and mitigation, available tools and methodologies, benchmarking and sector wise mitigation opportunities.



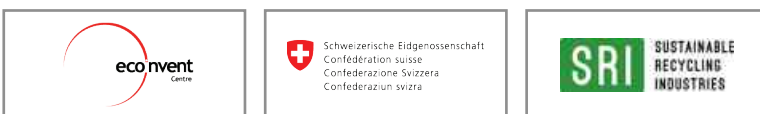
Waste Management & Material Conservation

Enhanced waste management and material conservation practices are introduced through a combination of international and national expertise. Projects on safe and environmentally-responsible recycling or disposal of waste material, use of waste as alternate fuel, material flow cost accounting, resource conservation and cleaner production initiatives and many more.



Life Cycle Assessments and Inventory Datasets

Life cycle assessment studies have been carried out to assist the industry in understanding the environmental impact of operations and products. Projects have been initiated to develop India level datasets that will assist in the life cycle assessment process. CII Green Business Centre serves as the apex organization for the Sustainable Recycling Industries activities in India.





ABOUT GREENCO

Objective

CII Godrej GBC has developed the GreenCo Rating System the **“first of its kind in the World”** framework that provides guidance and leadership to organizations to tread the green path. The objective is to define and assess **“How Green is your company”** and highlight the way forward to facilitate world class competitiveness through Green strategies. The assessment provides significant value addition and direction to businesses to facilitate excellence in Resource Conservation, Greener Value chain, superior Ecological performance and an enhanced Corporate Green Image. The framework adopts a cradle to cradle life-cycle approach to evaluate the activities of the company on the ecological front.

The implementation of GreenCo rating offers the following benefits to companies:

- ✓ Drives excellence in Resource conservation
- ✓ Enhances Corporate Green image
- ✓ Builds world class competitiveness in Green manufacturing / Green Services
- ✓ Bottom line improvement
- ✓ Makes company future ready to meet stricter environmental needs / regulations
- ✓ Helps understand where the company stands compared to peers & competitors
- ✓ Builds strong long term roadmap for ecologically sustainable business growth
- ✓ Excellent tool for top management to monitor green performance.
- ✓ Drives global best practices and improves existing systems to become more resource productive
- ✓ Drives innovation within the unit & enhances employee involvement
- ✓ Enhances credibility & creates transparency among stakeholders

GreenCo rating provides a framework for improvement to drive excellence in the following areas:

- **World Class Energy Efficiency**
Drives the company to become lowest Specific Energy Consumer within the sector
- **Water Neutral/Positive status**
Provides road map for water conservation activities both within & beyond the fence towards water neutrality or achieving water positive status
- **Renewable Energy**
Encourages companies to maximize the use of renewable energy through onsite generation or offsetting methods
- **Green House Gas mitigation**
Facilitates reduction of GHG emissions and gradually progress towards carbon neutrality.
- **Zero Waste**
Identifies ways to improve Solid, Liquid & gaseous waste management and facilitates to achieve Zero Waste to landfill status / Zero Liquid discharge status
- **Material Conservation & Recycling & Recyclability**
Helps companies to improve their Material use efficiency such as Raw materials, Consumables, Packaging materials. Encourages companies in recycling & reuse of materials in processes and products. Encourages companies to increase the recyclability or biodegradability of their products.
- **Greener Supply Chain**
Promotes Green procurement, sustainable sourcing, Green logistics, Green packaging.
Drives companies to minimize their environmental footprint in their supply chain by working with suppliers & other stakeholders to reduce impact in Energy, Water, Waste, toxicity, Emission, Logistics, Packaging & Material consumption
- **Product Stewardship**
Drives companies to take up extended responsibilities such as Design for Environment, Toxicity Reduction in products & processes, End of Life Management of products , Life cycle Management of products, Educate & influence consumer behavior
- **Life Cycle Assessment**
Encourages companies to conduct Environment Life cycle impact assessment (ELCA) studies for their products or processes & reduce the environmental footprint. Encourages companies to produce Environment Product Declarations.
- **Green Building features, Biodiversity & Innovation**
Promotes Green buildings, Biodiversity & Green innovations

The Green Company Rating System advocates a performance based approach. It is unique due to its high performance oriented nature with 70% weightage provided for the performance and results achieved and 30% for the systems adopted by the companies. The company has to perform and achieve superior performance in most of the parameters to reach highest rating level. The various performance parameters and levels of the rating system is in exhibit.

Parameters	Weightage (Points)
Energy Efficiency	150
Water Conservation	100
Renewable Energy	100
GHG Reduction	100
Waste Management	100
Material Conservation, Recycling and Recyclables	100
Green Supply Chain	100
Product Stewardship	75
Lifecycle Assessment	75
Others (Ventilation, Site selection & Innovation)	100
Total	1000

GreenCo Rating Levels



A facility level rating system, applicable for industries with over more than three years of operational data, GreenCo is applicable to all manufacturing and service sectors. As of today, GreenCo rated companies are spread across most of the manufacturing sectors in the industry – Automobile, Cement, Chemical, Engineering, Fertilizers, FMCG, Foundry, Iron & Steel, Paints, Pharmaceuticals, Petrochemical, Petrochemical – downstream, Pulp & Paper, Refineries, Sugar, Textile, Tyre and IT & IT Services and Airports from the service sector.

GREENCO IN THE NEWS

IN BRIEF



GreenCo certificate for wagon workshop

CHENNAI

The Carriage and Wagon Workshop of Southern Railway has been awarded GreenCo certification for various green initiatives performed at the workshop in Perambur.

The Confederation of Indian Industry (CII) presented a bronze certificate to the workshop for undertaking environmentally sustainable practices of energy and water conservation and proper recycling of wastes generated at the factory. The Carriage and Wagon workshop in Perambur is one of the oldest workshops in the country.

TIMES CITY

THE TIMES OF INDIA, NASHIK
FRIDAY, MARCH 25, 2016

Industrialists start to think green

Tushar.Pawar@timesgroup.com

Nashik: Sudhir Mutalik, Chairman, Nashik zonal council of the Confederation of Indian Industry (CII) urged industrialists to adopt green concept in their industries during an awareness programme on green industries held in Nashik on Thursday.

Mutalik said, "Going green

not only addresses ecological issues, but also makes good business sense. The Indian industry is adopting some of the finest green technologies in their operations and this helps both, the economy and environment. Measures like energy efficiency, use of renewable energy, reusing and recycling waste, using every drop of water efficiently, rain water har-

vesting are already being used and have proved profitable." He added, "New opportunities through green buildings, developing green products and green supply chain initiatives, should be explored."

The ThyssenKrupp Electrical Steel India Pvt Ltd at Gonde, 25km from here, has won the CII's GreenCo rating award.

SCR's workshop gets award

Hyderabad: The SCR carriage workshop at Lallaguda has received the 'GreenCo - silver rating from the Confederation of Indian Industry. SCR said the workshop was the first, nationwide to receive such an award in the carriage workshop category.

CII's event on green firms evokes positive response

Hyderabad (Special CII, At 17th & 18th March) CII and 'GreenCo' Summit 2016 was held at Hyderabad. The event was attended by over 200 GreenCo rated companies. The event was a success and evoked a positive response from the attendees. The event was held at the Hyderabad Convention Centre. The event was a success and evoked a positive response from the attendees. The event was held at the Hyderabad Convention Centre. The event was a success and evoked a positive response from the attendees.

'Green compliance makes better economic sense'

OUR BUREAU
Hyderabad, June 16

Competitiveness is encouraging companies to stay ahead of the environmental compliance curve and go green, said Nitin Desai, Member, Prime Minister's Council on Climate Change.

Speaking at the inaugural session of CII GreenCo Summit 2016, Desai said green consumers, green finance and green governance should come together with green manufacturing, for environmental actions to have a greater impact. He cited the uptake of LED lights in India as an example of all the four coming together.

Jamshyd N Godrej, Chairman, CII Godrej GBC, said there is no conflict between environment and economic development.

Companies should be open and more transparent on their environmental process to their stakeholders. "CII aspires to facilitate 1,000 GreenCo rated companies by 2020," he said.

Pradeep Bhargava, Chairman, GreenCo Summit 2016, said the CII GreenCo rating system is evoking good response. Over 200 companies are working on the rating and this includes 78 GreenCo rated companies. Each GreenCo rated company saves about ₹2 crore per year, he added.

The CII signed two MoUs—one with Telangana State Industrial Infrastructure Corporation Ltd and another with Jawaharlal Nehru Pharma City, Andhra Pradesh. These MoUs aim at fostering Eco-Industrial Parks.



Confederation of Indian Industry



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పర్యావరణ అనుకూల సంస్థలు

2020 నాటికి నీవల అక్షం



ప్రైవేటులో అనేక సీఎస్ సిపిలలో పాఠశాల అవార్డులతో ప్రజలు సంపూర్ణంగా మారారు. పర్యావరణ అనుకూల సంస్థలుగా గుర్తింపు పొందిన కియా, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్

ప్రైవేటులో (షాప్ టు గో) పాఠశాల అవార్డులతో ప్రజలు సంపూర్ణంగా మారారు. పర్యావరణ అనుకూల సంస్థలుగా గుర్తింపు పొందిన కియా, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్

సर्वోత్కృష్ట గ్రీన్ కలిగి జాటివ్ డర్జా ఖృదాకే ఇంజినిఆరింగ్ లా గ్రాఫ్

ప్రైవేటులో (షాప్ టు గో) పాఠశాల అవార్డులతో ప్రజలు సంపూర్ణంగా మారారు. పర్యావరణ అనుకూల సంస్థలుగా గుర్తింపు పొందిన కియా, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్

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విజ్ఞాన రోజులో పాఠశాల అవార్డులతో ప్రజలు సంపూర్ణంగా మారారు. పర్యావరణ అనుకూల సంస్థలుగా గుర్తింపు పొందిన కియా, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్

పర్యావరణ ఉత్పత్తులదే భవిష్యత్

• విజ్ఞాన రోజులో పాఠశాల అవార్డులతో ప్రజలు సంపూర్ణంగా మారారు.



చంద్రబాబు నాయుడు

ప్రైవేటులో (షాప్ టు గో) పాఠశాల అవార్డులతో ప్రజలు సంపూర్ణంగా మారారు. పర్యావరణ అనుకూల సంస్థలుగా గుర్తింపు పొందిన కియా, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్, సిఐఐ కార్నల్ ప్రైవేట్ లిమిటెడ్

సంస్కృతి గేటు

SHORT TAKES

MIAL receives gold rating

Mumbai: The Mumbai International Airport (MIAL) has become the first brownfield airport to receive the 'GreenCo Gold Rating' by CII-Sohrabji Godrej Green Business Centre based on a site assessment carried out by a team of GBC. 'GreenCo Rating' system is a first of its kind framework evolved by CII to assess and analyse the environmental performance of a company's activities and operations so as to achieve ecologically sustainable business growth. MIAL has been, in the past, conferred with several other prestigious accreditations, ratings and awards for its design.

কলম

সোলার সিস্টেমে নতুন টাউনশিপ গড়তে উদ্যোগী হলদিয়া পুরসভা










হলদিয়া পুরসভা (হলদিয়া সিটি কর্পোরেশন) তাদের উদ্যোগে নতুন টাউনশিপ গড়তে উদ্যোগী হওয়ার জন্য গভর্ণমেন্ট কর্তৃক 'সোলার সিস্টেমে নতুন টাউনশিপ গড়তে উদ্যোগী হওয়ার পুরস্কা' (GreenCo Gold Rating) প্রদান করা হয়েছে।

এই পুরস্কাটি হলদিয়া সিটি কর্পোরেশনের উদ্যোগে নতুন টাউনশিপ গড়তে উদ্যোগী হওয়ার জন্য গভর্ণমেন্ট কর্তৃক প্রদান করা হয়েছে।












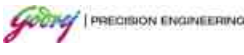



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GreenCo Rated Companies

	ACC Ltd, Kudithini Cement Works	Silver
	ACC Ltd, Kymore Cement Works	Gold
	ACC Ltd, Thondebhavi Cement Works	Silver
	Diesel Locomotive Works, Varanasi	Silver
	Integrated Coach Factory, Chennai	Silver
	NWR, Carriage Workshop, Ajmer	Silver
	SCR, Carriage Workshop, Lallaguda	Silver
	SCR, Carriage Repair Shop, Tirupati	Gold
	SR, Carriage & Wagon Workshop, Perambur	Bronze
	Brakes India Limited, Sholingur	Gold
	Burckhardt Compression India Private Limited, Pune	Gold
	Cipla Limited, Kurkumbh	Silver
	Hindustan Coca Cola Beverages Pvt Ltd., Ameenpur	Gold
















GreenCo Rated Companies

	Cummins Turbo Technologies, Pithampur	Gold
	Cummins Power Generation Business Unit, Phaltan	Gold
	Valvoline Cummins, Ambarnath	Gold
	Delhi International Airport Ltd	Platinum
	Dr Reddy's Laboratories, CTO 2, Hyderabad	Bronze
	G&B, Appliance Division, Mohali	Platinum
	G&B, Appliance Division, Shirwal	Platinum
	G&B, Interio Division, Shirwal	Platinum
	G&B, Interio Division, Vikhroli	Gold
	G&B, Lawkim Motors Group, Shirwal	Platinum
	G&B, Locking Solutions & Systems, Vikhroli	Gold
	G&B, Precision Engineering Division, Mumbai	Silver
	G&B, Security Solutions Division, Vikhroli	Silver
	G&B, Tooling Division, Vikhroli	Silver
	GIL, Consumer Products Ltd, Malanpur	Gold

GreenCo Rated Companies

	GIL, Valia	Silver
	Hero MotoCorp Limited, Haridwar	Gold
	HIL, Golan	Gold
	LPG Bottling Plant, Cherlapally	Silver
	LPG Terminal, Visakh	Platinum
	Lube Oil Blending Terminal, Silvassa	Silver
	New White Oil Terminal, Visakh	Gold
	VVSPL, Visakh	Platinum
	Hindustan Unilever Limited, Mysuru	Silver
	PSPD, Bhadrachalam	Platinum
	PSPD, Kovai	Platinum
	JCB India Limited, Ballabgarh	Silver
	Jindal Steel & Power Limited, Raigarh	Gold
	JK Lakshmi Cement Ltd, Kalol	Silver
	JK Tyre & Industries Ltd, Banmore	Bronze










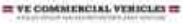


GreenCo Rated Companies

	JK Tyre & Industries Ltd, Chennai	Gold
	JK Tyre & Industries Ltd, Kankroli	Bronze
	JK Tyre & Industries Ltd, Vikrant	Silver
	JSW Cement Limited, Nandyal	Gold
	Chhatrapati Shivaji International Airport, Mumbai	Gold
	Kempegowda International Airport, Bengaluru	Platinum
	Vasavadatta Cement, Sedam	Platinum
	Kirloskar Oil Engines Ltd, Kagal	Gold
	KBL, Coimbatore	Silver
	KBL, Dewas	Silver
	KBL, Kirloskarvadi	Silver
	KBL, Kondhapuri	Bronze
	KBL, Sanand	Silver
	L&T, Powai	Gold
	Lucas TVS, Padi	Gold

GreenCo Rated Companies

	Lucas TVS, Puducherry	Bronze
	Marico Ltd, Baddi	Gold
	Mphasis, Mangalore	Bronze
	My Home Industries Pvt Ltd, Mellacheruvu	Gold
	Nippon Paint India Pvt Ltd, Chennai	Gold
	Reliance Industries Ltd, Nagothane	Gold
	Seshasayee Paper & Boards Ltd, Erode	Gold
	Shree Cement Limited, Beawar	Gold
	SP Textiles Ltd, Erode	Bronze
	Sundram Fasteners Limited, Hosur	Gold
	Sundram Fasteners Limited, Madurai	Gold
	TML, CVBU, Pune	Gold
	TML, CVBU, Pune	Gold
	TML, Dharwad	Gold
	TML, Jamshedpur	Gold

GreenCo Rated Companies

	TML, Lucknow	Silver
	TML, Pantnagar	Gold
	TML Drivelines, Jamshedpur	Gold
	Tata Steel Processing & Distribution Ltd, Pune	Gold
	Tata Steel Limited, Jamshedpur	Platinum
	Thyssenkrupp Electrical Steel Limited, Nashik	Silver
	TamilNadu Newsprint & Papers Ltd, Karur	Gold
	Ultratech Cement Ltd, Reddipalayam	Gold
	UltraTech Cement Ltd, Tadipatri	Gold
	VE Commercial Vehicles Ltd, Pithampur	Bronze
	Visaka Industries, Mirayalaguda	Gold
	Zuari Cement Ltd, Yerraguntla	Gold

GreenCo Rated SMEs

	Acropolis Industries, Aurangabad	Gold
	Ajay Poly Private Limited, Shirwal	Gold
	Amber Enterprises India Pvt. Ltd., Noida	Gold
	Amber Enterprises India Pvt. Ltd., Ranjangaon	Gold
	Atharva Polyplast Pvt. Ltd., Khandala	Gold
	Carefine Woodworks Pvt. Ltd., Pune	Silver
	Clad Metals (India) Pvt. Ltd. Aurangabad	Gold
	Corru Cartons (India) Pvt. Ltd., Palghar	Gold
	Elegant Coatings Pvt. Ltd., Aurangabad	Gold
	Fimakem India Limited, Bhadrachalam	Gold
	Fimakem India Limited, Perundurai	Gold
	Iconic Castings Pvt. Ltd., Kolhapur	Bronze
	Jay Industries, Rabale	Gold
	K India, Baddi	Silver
	Kashish Panel Works	Silver

	Khutale Engineering Private Limited, Satara	Platinum
	KPlast Industries Pvt. Ltd., Shikrapur	Gold
	M Tech Innovations, Kelawade	Gold
	Mech Tech Industries, Navi Mumbai	Silver
	Nahar Paper and Board Mills Pvt. Ltd., Ludhiana	Platinum
	P M Electro-Auto Pvt. Ltd., Palghar	Silver
	Radhe Industries, Pirangut	Platinum
	Sharada Industries, Unit - III, Pune	Bronze
	Shree Ashtavinayak Glass Private Limited, Khandala	Platinum
	Siddhi Elasto Pvt. Ltd., Pune	Certified
	Sood Poly Products, Rajpura	Silver
	STI Sanoh India Pvt. Ltd., Supa, Ahmednagar	Gold
	Texla Plastics & Metals Pvt. Ltd., Ludhiana	Gold
	Win Win Technologies, Satara	Gold
	Windsor Industries Private Limited, Kurali	Gold
	Wudhouse Designs Pvt. Ltd., Dombivli	Silver



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About CII

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government, and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, playing a proactive role in India's development process. Founded in 1895, India's premier business association has over 8,300 members, from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 200,000 enterprises from around 250 national and regional sectoral industry bodies.

Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes. Partnerships with civil society organizations carry forward corporate initiatives for integrated and inclusive development across diverse domains including affirmative action, healthcare, education, livelihood, diversity management, skill development, empowerment of women, and water, to name a few. The CII theme for 2017-18, India Together: Inclusive. Ahead. Responsible emphasizes Industry's role in partnering Government to accelerate India's growth and development. The focus will be on key enablers such as job creation; skill development and training; affirmative action; women parity; new models of development; sustainability; corporate social responsibility, governance and transparency.

With 66 offices, including 9 Centres of Excellence, in India, and 10 overseas offices in Australia, Bahrain, China, Egypt, France, Germany, Singapore, South Africa, UK, and USA, as well as institutional partnerships with 344 counterpart organizations in 129 countries, CII serves as a reference point for Indian industry and the international business community.

About CII GBC

CII - Sohrabji Godrej Green Business Centre (CII - Godrej GBC) is one of the 9 Centres of Excellences of the Confederation of Indian Industry (CII). CII-Sohrabji Godrej Green Business Centre offers advisory services to the industry in the areas of Energy Management, Green Buildings, Green Companies, Renewable Energy, GHG Inventorization, Green Product Certification, Waste Management and Cleaner Production Process. CII-Godrej GBC works closely with the stakeholders in facilitating India emerge as one of the global leaders in Green Business by the year 2022.



Confederation of Indian Industry

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