ENVIRONMENT STEWARDSHIP

A commitment for a green future

We prioritise environmental stewardship and continuously assess the ecological impact of our operations. With the ISO 14001:2015 Environmental Management System in place, we focus on key areas such as energy efficiency, renewable energy adoption, emissions reduction, water management and waste minimisation.

Energy management

Our energy policy focuses on optimising energy demand through innovative projects, including the installation of solar power capacity across our facilities. We have implemented the ISO 50001:2018 Energy Management System (EnMS) across all plants, leading to further reduction in energy intensity per rupee of turnover.

For utilisation of alternate sources of power, we harnessed 13,639 GJ from our roof top solar installations, which is approx. 3.5% of our total energy consumption during the financial year 2024-25.

Apart from onsite roof top solar installation, we have executed definitive documents with CleanMax for setting up captive power generating facility in Haryana and Maharashtra, having solar capacities of 14.85 MWp and 4.00 MWp, respectively. Moreover, we are planning to set up a 2.5 MWp group captive power-generating facility at our Chennai plant.

3.5%
Energy consumption through renewable energy sources

18.85 MWp
Total solar group captive capacity

Emission management

We are deeply committed to reducing our greenhouse gas emissions as part of our broader sustainability efforts. Our primary source of emissions is Scope 2, stemming from electricity consumption, which accounts for 77% of our total energy use. To mitigate this, we focus on improving energy efficiency and increasing our use of renewable energy. Through innovative technologies and continuous monitoring, we are actively working to lower our carbon footprint, contributing to global climate change efforts while ensuring a sustainable future. These targeted efforts have driven a 5% reduction in nitrogen oxide (NOx) emissions and 42% reduction in particulate matter (PM) generation, contributing significantly to improved air quality and employee health.

In FY 2024-25, we achieved 2% further reduction in emissions intensity, demonstrating our ongoing dedication to reducing our environmental footprint, even amidst operational growth.

42%
Reduction in particulate matter (PM) generation in Gurgaon plant

Water management

Our focus is on responsible water usage and efficient management across our operations. We have implemented key initiatives such as Zero Liquid Discharge (ZLD) plants and effluent treatment plants (ETPs) to reduce water consumption and improve recycling rates.

Despite the increase in overall water consumption, these improvements reflect our commitment to sustainability. We have invested in technologies, including a ZLD plant with a capacity of 50,000 litres per day, to recycle wastewater in the manufacturing process, ensuring the efficient reuse of water while minimising discharge.

These efforts contribute to our long-term goal of responsible water management.

4R principle

- Reducing water use
- Reusing wastewater
- Recycling wastewater
- Repurposing treated water

ENVIRONMENT STEWARDSHIP

Waste management

We are committed to sustainable waste management, focusing on reducing, recycling, and responsibly disposing of hazardous and non-hazardous waste. Guided by our Environmental Management Policy, we implement efficient practices such as recycling waste oil, reusing ETP sludge, and ensuring safe disposal through certified vendors. We continue to reduce waste intensity and enhance recycling efforts across all sites.

In FY 2024-25, we successfully recycled/reused 20,863 metric tonnes of waste, upholding our goal of minimising landfill disposal and promoting a circular economy. Our approach includes ongoing employee training and adherence to best practices, ensuring that every facility prioritises waste reduction and responsible management.

97%
Of Waste is recycled/reused

Sustainable supply chain

We embed sustainability and ethical integrity into every level of our supply chain. Our Procurement Policy balances cost, quality, and delivery with responsible sourcing practices, guided by our Green Procurement Guideline. Supplier evaluations integrate 12 ESG-related metrics out of a total of 41, requiring a minimum 75% score for qualification, ensuring alignment with our standards on human rights, labour practices, and business ethics. Through structured audits, risk assessments, and tiered evaluation systems, we promote continuous improvement and transparency. Regular capacity-building sessions and sustainability workshops further strengthen supplier performance, while our preference for local vendors supports community development and resilience.

CASE STUDY

Restoring balance with nature: A Miyawaki forest at NSG Manesar

As part of our CSR commitment to environmental restoration and community development, Sona Comstar initiated a large-scale afforestation project at its NSG Manesar site using the Miyawaki method. The objective was not just reforestation but ecological transformation — to enhance biodiversity, improve air quality, and leave a regenerative impact for the future.

Project goals

- **Ecological regeneration:** Improve soil quality, enhance biodiversity, and contribute to local air purification
- **Community empowerment:** Generate employment, build capacity through conservation training, and promote environmental awareness
- **Responsible execution:** Ensure transparency in implementation and impact measurement with a clear maintenance roadmap

4
Plots to be assigned for the plantation of the species and native plants

25.7k
Native species to be planted on the site

20k
Bambusa Balcooa species to be planted on the site

45,767
Total saplings planted

Implementation strategy

The project began with a thorough soil and site assessment to determine optimal planting conditions, followed by securing all necessary regulatory approvals from local authorities. The land was then enriched and tilled to support healthy root development. To ensure water efficiency, the team installed a drip irrigation system and borewells and adopted water-conserving planting techniques tailored to the site's needs. A protective perimeter fence was also installed to safeguard the young saplings from external disturbances, ensuring favourable conditions for long-term growth.

Using the CVSP Miyawaki method, the forest delivers:

- **Rapid growth:** Trees grow 10x faster than traditional afforestation methods
- **Carbon sequestration:** Helps absorb and store CO_2 effectively with microclimate improvement
- **Urban greening:** Ideal for limited spaces like urban and industrial zones, reducing heat and improving air quality
- **Low maintenance:** Once established, the forest is self-sustaining with minimal upkeep
- **Boosted biodiversity:** Diverse native species support a resilient ecosystem

Long-term vision

A dedicated three-year maintenance plan is underway to ensure survival, growth, and self-sufficiency of the planted forest by FY 2026-27 with a target survival rate of 92%. The project reflects our commitment to building climate-resilient ecosystems and supporting local livelihoods while setting a benchmark for sustainable CSR practices in the manufacturing sector.