ENVIRONMENT

Prioritising Environment Stewardship

As a responsible organization, we understand the significance of nurturing a safe and pristine environment and safeguarding the invaluable ecosystems that support us.

Following a proactive approach, we have embraced innovation, incorporated cutting-edge technologies, and implemented operational changes to mitigate long-term environmental risks and promote sustainability.

Through the establishment of a robust Environmental Management System (EMS), we demonstrate our commitment to being a leader in sustainability practices. The facilities at GGP, BPL, JDM, Unit-4, and Unit-5 are ISO certified.

Our continuous efforts focus on reducing emissions, efficiently managing water resources, and minimizing waste generation. Dedicated to advancing on the path of decarbonization, guided by well-defined targets, we strive to be a recognized advocate for sustainable practices in our industry.

Energy Consumption

Achieved an almost threefold increase in renewable energy share to reach 9.03% for FY 2022-23. This is due to the implementation of solar power usage through open access.

Installed a Solar Power Plant at Gagillapur with a capacity of 320 KWp; with a maximum power generation of 1200 KWH, which in turn would reduce 0.972 MTCO$_2$e daily.

Achieved energy savings of 19.06 TJ through the implementation of various initiatives.

GHG Emissions

Managed to control our GHG footprint, which only increased by 0.4% compared to energy consumption, which rose by 2.3% in FY 2022-23. This was due to the renewable energy and energy efficiency projects we undertook during the year. At the end of the year, our total GHG footprint (Scope 1 and Scope 2) stood at 1,09,958 tCO$_2$ eq.

The moderate growth in GHG emissions resulted in a reduction of GHG intensity by 13.2% compared to the previous year and against the target of 5% YoY reduction.

Water Management

Successfully reduced freshwater consumption by 11.75% to reach 45,396.4 KL in FY 2022-23. This was a result of rainwater collection, improved water recycling, additional recovery of steam condensate, flash jet pump, and recycled water from effluent treatment plants.

In FY 2022-23, the percentage of water recycled during the year was more than 50%. Notably, in BPL-1, more than 90.78% of treated water was recycled.

Waste Management

Achieved ~100% recycling of non-hazardous waste generated at our manufacturing site in FY 2022-23. Additionally, we reduced hazardous waste by 13.23% to reach 460.3 Metric tons by optimizing the process.

During FY 2022-23, we sent more than 85% of solid hazardous waste for utilization by cement industries, which helped reduce our GHG footprint. Additionally, we increased the recycling of hazardous waste by 12.81%.

Green Buildings

Implemented various initiatives to realize the vision of reaching the platinum rating from the Indian Green Building Council (IGBC) for our new FD manufacturing project.

We aspire to reach the Platinum rating, setting a trend among pharmaceutical companies by adopting sustainability principles in our facility development. To attain the desired rating, several critical areas have been identified and prioritized:

- Implementation of soil erosion control practices like preservation of top soil, barricading, soil stacking, sedimentation pit, water spraying, rainwater harvesting, and vegetation to ensure the preservation of fertile soil.
- Proposal for a rainwater harvesting or storage system to capture 50% of run-off volumes from roofs and non-roof surfaces, with storage designed to sustain 2-3 days of rainfall.
- Targeting 20% energy savings over ASHRAE90.1/ECBC standards through the use of high-efficiency chillers that are CFC-free and equipped with Variable Frequency Drives (VFD) to avoid ozone layer depleting gases.
- Installation of 1 MW solar rooftop photovoltaics and building-integrated photovoltaics (BIPV), as well as covering 75% of the surface parking area with solar photovoltaics, to reduce the micro-climate impact of heat dissipation.
- Utilization of 100% certified wood/bamboo-based materials for all wood applications, with a focus on procuring at least 50% of renewable wood-based products certified by FSC or the local Forest Department.
- Encouragement of the use of salvaged building materials and products to minimize the demand for virgin materials and reduce environmental impacts associated with extraction and processing.
- Proper management of construction waste through segregation and monitoring to divert at least 50% of waste generated during construction from landfills.
- Incorporation of building materials with recycled content such as steel, cement, Ground Granulated Blast-furnace Slag (GGBS) based concrete, glass, tiles, gypsum false ceiling, fly ash bricks, and aluminium.
- Selection of "GreenPro" certified civil and interior materials to ensure sustainable and environmentally friendly choices.
- Emphasis on factory design that eliminates the risk of major carcinogenic effects related to asbestos exposure.
- Aim to achieve a daylight factor of up to 50% of occupied spaces.