



Emissions

Producing cement and concrete with lower carbon emissions involves not only advancing new technologies but also enhancing the effectiveness of proven methods. Leveraging our knowledge and experience, we aim to efficiently recover energy from alternative fuels and increase the utilisation of co-processing materials from various sectors in our cement plants.



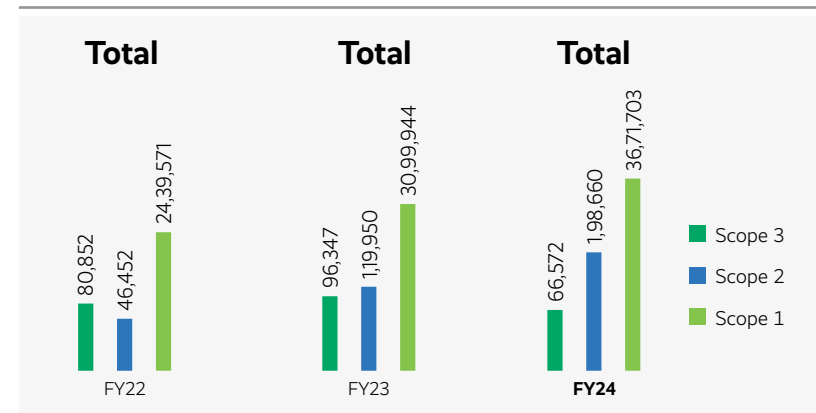
Key highlights of FY2024

677 Kg CO₂/tonnes of cementitious
GHG intensity

232 MT
SOx emission

2,820 MT
NOx emission

Carbon emission (tCO₂e)



Key initiatives

- Deployed two electric trucks (35 tonnes Net load) into our operations at Bayyavaram unit. These vehicles are dedicated to the transportation of slag and cement from the plant to Visakhapatnam
- We have commissioned two e-loaders at Mattampally plant and at Dachepalli plant of Andhra Cements respectively and total amount of CO₂ reduction by deploying EV trucks and loaders in FY 2023-FY 2024 is 592 MT CO₂
- Initiated a pilot project for biomass cultivation at the Mattampally Plant and allocated approximately 20 hectares of land for biomass growth and achieved a CO₂ reduction of 125 metric tonnes
- In Jeerabad plant, audit to identify emission reduction projects was conducted
- Absolute emissions reduced through biomass consumption is 10,557 MT, which is an emission intensity of 1.82 kg CO₂/ tonnes of cementitious

Action plan

- Implementing a comprehensive environmental policy to guide our teams in reducing emissions
- Embracing digitisation and adopting technology throughout the value chain
- Decreasing energy intensity while consistently increasing the proportion of green energy and incorporating alternative raw materials and fuels
- Performance objectives are meticulously mapped across functional units, and regular reporting is conducted