Resources

We recognise the importance of efficient material use in minimising environmental impact and improving operational performance. By increasing the use of alternative fuels, biomass, we have reduced dependence on fossil fuels and lowered process emissions.

Our focus on blended cement production and the utilisation of industrial by-products further enhances resource efficiency, optimises raw material consumption and supports lower carbon intensity across our operations.

Key highlights

67,89,781 MT
Limestone mined

1,53,627 MT
Gypsum consumed

14,585
Iron ore utilised

825 MT
Iron sludge consumed

69,487 MT
Alternative fuels utilised during FY 26

1.06%
Decarbonated raw materials used

Resource consumption

	Units	FY 2026	FY 2025
ARM upto clinkerisation	% of Raw meal production	1.06	0.84
Natural RM used	Tonnes	4,37,799	4,09,274
Total AF Consumed including biomass	Tonnes	69,487	79,253
Alternative Cementitious material consumed	Tonnes	16,91,596	15,07,626
Limestone	Tonnes	67,89,781	60,75,867

Alternate fuel substitution & TSR increase

We are progressively expanding the use of alternative fuels to reduce dependence on conventional fossil fuels. Through investments in alternative fuel infrastructure and continuous trial runs, we are working towards increasing the Thermal Substitution Rate (TSR) to 25% by 2030 and 50% by 2050.

This year there has been a decline in our TSR % even after all our efforts, due to challenges like unavailability of pre-processed alternate fuels, high moisture in the available material and limitations in feeding systems across plants. To address these, we are establishing an AFR Pre-processing facility at Mattampally. We are installing Syngas Gasification plant to further enhance TSR along with liquid and solid feeding systems at Jeerabad. These efforts shall help us increase the TSR for the Group.

Jeerabad Limestone Mine, Madhya Pradesh

Alternative fuels and raw materials (AFR) utilisation

Recycled input materials consumed (Tonnes)	FY 2026	FY 2025	FY 2024
Chemical gypsum	1,12,629	70,395	93,687
Fly ash	7,18,112	6,38,765	7,08,079
Slag	7,07,107	7,03,788	5,35,758
Spent carbon	7,684	9,655	7,669
Carbon black	4,176	468	677
Iron sludge	825	819	442
Shredded plastic	5,496	3,908	2,126
Residue derived fuels	64	0	0
Organic residue	10,786	6,379	9,229
Organic liquid solvents	22,827	29,022	17,322
Rice husk	5	0	121.30
Organic waste	0	0	0
Chrome sludge	35,475	23,357	13,625
Wooden chips	800	21,974	7,838
Dolochar	49	985	903
Sawdust	9,172	6488	1,719
Total – AFR	16,35,206	15,16,003	13,99,196

Contributing to a circular economy

We support circular resource use by integrating industrial by-products into our cement manufacturing processes. Materials such as fly ash from thermal power plants and slag from steel production are utilised as alternative inputs, reducing the need for virgin raw materials and lowering environmental impact.

Currently, we utilise over 1.6 MT of industrial waste annually, including chemical gypsum, chrome sludge, red mud, iron sludge, spent carbon, carbon black, organic residues and liquid solvents sourced from neighbouring industries. This approach conserves natural resources, reduces landfill disposal and strengthens circularity across our operation.

Jeerabad Limestone Mine, Madhya Pradesh