

GCCA SUSTAINABILITY KPIs

Basic Parameters	Unit	FY 2025-26
Clinker production	million Tons/year	18.38
Cement production	million Tons/year	30.04
Cementitious production	million Tons/year	30.10
CO₂ emissions*		
Total direct CO ₂ emissions – gross (Cement)	million tCO ₂ /year	15.02
Total direct CO ₂ emissions – net	million tCO ₂ /year	14.03
Specific CO ₂ emissions – gross	kg/t of cementitious material	499
Specific CO ₂ emissions – net	kg/t of cementitious material	466
Improvement Rate (Over 1990)		44%
Emissions		
Overall coverage rate	%	100
Coverage rate continuous measurement	%	100
PM Emission Absolute	Tons/year	1,873
PM Emission Specific	g/tonne clinker	102
NOx Emission Absolute	Tons/year	12,568
NOx Emission Specific	g/tonne clinker	684
SOx Emission Absolute	Tons/year	2,790
SOx Emission Specific	g/tonne clinker	152
Fuels and Raw Material		
Kiln fuels	million Tons/year	2.73
Total Energy from fuels used in clinker production	TJ	59,209
Sustainable fuels including Biomass (Kiln Fuel)	%	23%
Total raw materials for clinker produced	million tons	27.54
Total alternative raw material for clinker produced (ARM)	million tons	0.63
Total Raw Materials for cement produced	million tons	11.72
Total Alternative Raw Materials for cement produced (ARM)	million tons	11.18
Total Alternative Raw Materials for cement produced (% ARM) as per GCCA	%	39%
Specific heat consumption for clinker production	MJ/tonne	3,222
Clinker/cement (equivalent) factor	Number	60.98
Safety		
Number of fatalities, directly employed	Number	0
Number of fatalities, contractors and sub contractors	Number	5
Number of fatalities, third parties	Number	0
Number of lost time injuries (LTI), directly employed	Number	0
Number of lost time injuries (LTI), contractors and sub contractors	Number	7
LTIFR, directly employed	Number	0
LTIFR, contractors and sub contractors	Number	0.12
LTI severity rate, directly employed	Number	
Water		
Total Water withdrawal	million m ³ /year	4.74
Water discharge	million m ³ /year	-
Water Consumption (Total Water withdrawal – Water Discharge)	million m ³ /year	4.74
Amount of Water Consumption per unit of product	Litres/tonne of cementitious material	157.00
Number of sites	Number	15.00
Number of sites with a water recycling system	Number	15.00
Scope I Emission (GRI)	million tCO₂/year	15.75
Scope II Emission (GRI)	million tCO₂/year	0.48
Scope III Emission (GRI)	million tCO₂/year	1.48

*GHG Quantification is being done as per GCCA (Global Cement and Concrete Association) Cement CO₂ and Energy Protocol, Version 3.2, CO₂ Emissions and Energy Inventory Developed by the WBCSD Cement Sustainability Initiative (CSI) and European Cement Research Academy (ECRA).

Parameters	UoM	DPM	ARY	KDP	BGM	RGP	RCW	MGH	USO	MIL
Concentration of HF	mg/Nm ³	0.10	BLQ	BDL	0.53	0.10	BDL	BDL	BLQ	0.28
Concentration of Mercury (Hg)	mg/Nm ³	BDL	BLQ	BDL	<0.001	0.01	BDL	BDL	BLQ	<0.001
Concentration of HCL	mg/Nm ³	BDL	BLQ	BDL	3.30	5.20	BDL	0.10	BLQ	3.60
Concentration of Cd+Ti+Their compounds	mg/Nm ³	BDL	BLQ	BDL	<0.001	0.03	BDL	BDL	BLQ	<0.001
Concentration of Sb+As+Pb+Co+Cu+Mn+Ni+V+their compounds	mg/Nm ³	0.03	BLQ	BDL	0.31	0.24	BDL	BDL	BLQ	0.205
Total Dioxins and Furans	ng.TEQ/ Nm ³	0.003	< 0.01	< 0.01	0.034	0.0008	0.04	BDL	BLQ	0.01

*BDL: Below Detection Limit, #BLQ: Below Limit of Quantification

#Frequency: Annually Measurement from accredited 3rd party laboratory.

In Grinding Unit: Not Applicable;