

CSI KEY PERFORMANCE INDICATORS – DATA AND COVERAGE FOR FY 2016-17

Issue	Key Performance Indicator (KPI)	Data	Coverage (% of clinker production)
Climate Protection	Total CO <sub>2</sub> emissions - gross (million tons)	11.59	100
	Total CO <sub>2</sub> emissions - net (million tons)	11.55	100
	Specific CO <sub>2</sub> emissions - gross (kg/ton cementitious material)	557	-
	Specific CO <sub>2</sub> emissions - net (kg/ton cementitious material)	555	-
	Independent third party assurance of CO <sub>2</sub> data (frequency)	Annual	100
Fuels and Raw Materials	Specific heat consumption of clinker production (MJ/ton clinker)	3245	-
	Alternative Fuel Rate (%)	1.2	-
	Biomass Fuel Rate (%)	0	-
	Alternative Raw Materials Rate (%)	23.51	-
	Clinker/Cement Ratio (%)	65	-
Employee Health and Safety	No. of fatalities (directly employed)	0	-
	No. of fatalities per 10,000 directly employed	0	-
	No. of fatalities (indirectly employed)	0	-
	No. of fatalities (3rd party)	1	-
	No. of Lost time injuries (directly employed)	0	-
	Lost time injuries per 1 million manhours (directly employed)	0	-
	No. of lost time injuries (indirectly employed - contractors and sub-contractors)	0	-
	Lost time injuries per 1 million manhours (indirectly employed) from 2012	0	-
	Total no. of lost time injuries	0	-
	Independent third party assurance of safety data data (frequency)	Annual	100
Emissions Reduction	Total NOx emissions (tonnes/year)	17796.29	100
	Specific NOx emissions (g/ton clinker)	1300.75	-
	Total SO <sub>2</sub> emissions (tonnes/year)	833.92	100
	Specific SO <sub>2</sub> emissions (g/ton clinker)	60.95	-
	Total dust emissions (tonnes/year)	748.16	-
	Specific dust emissions (g/ton clinker)	54.68	-
	% clinker produced with monitoring of major and minor emissions	100	-
	% clinker produced with continuous monitoring of major emissions	100	-
	Independent third party assurance of emissions data (frequency) from 2011	Annual	100
Local Impacts	% of sites with quarry rehabilitation plans in place	100	-
	% of sites with community engagement plans in place	100	-
Biodiversity KPI no. 1	Number of quarries within, containing, or adjacent to areas designated for their high biodiversity value, as defined by GRI En11 (number and coverage)	0%	-
Biodiversity KPI no. 2	Percentage of quarries with high biodiversity value where biodiversity management plans are actively implemented	NA	-

Issue	Key Performance Indicator (KPI)	Data	Coverage (% of clinker production)
Water from 2014	Total water withdrawal by source (G4-EN8)	2.26 million cubic meters	-
	Source: withdrawal from ground water (million cubic meters)	2.01	-
	Source: withdrawal from surface water (million cubic meters)	NA	-
	Source: withdrawal from municipal water supplies or other water utilities (million cubic meters)	NA	-
	Source: Rainwater harvested (million cubic meters)	0.23	-
	Source: withdrawal from other sources (million cubic meters)	NA	-
	Total water discharge by quality and destination (G4-EN22)	NA	-
	Destination: water discharge to surface water (million cubic meters)	NA	-
	Destination: Water discharge for offsite treatment (million cubic meters)	NA	-
	Destination: Water discharge to others (million cubic meters)	NA	-
	Total water consumption (GWT for Cement Sector)	1.72	-
	Percentage of sites with a water recycling system (GWT for Cement Sector)	100	-