



# WBCSD Cement Sustainability Initiative KPIs for Cement Activities

	Performance Parameters	Unit	2011-12 (15 months)	2012-13
Climate Protection	Total Gross/Net CO <sub>2</sub> emissions (Scope 1 emissions)	Million MT	8.04	8.73
	Total Specific Gross/Net CO <sub>2</sub> emissions (Scope 1 emissions)	kgCO <sub>2</sub> e / MT of Cement	606	585
Fuel and Raw materials	Specific Heat Consumption of clinker production	Kcal / Kg Clinker	794	796
	Alternative Fuel Rate (%)	%	Alternative fuel were not used in the reporting period	0.56
	Alternative Material Rate	%	16%	19.3%
	Clinker / Cement Ratio		0.688	0.679
Emissions Reduction	Total NO <sub>x</sub> emissions	MT / year	11682.29	11562
	Specific NO <sub>x</sub> emissions	kg / MT of Cement	1.06	0.937
	Total SO <sub>2</sub> emissions	MT / year	1868.03	458.92
	Specific SO <sub>2</sub> emissions	kg / MT of Cement	0.17	0.0372
	Total Dust emissions	MT / year	2141.49	1224.56
	Specific Dust emissions	kg / MT of Cement	0.19	0.099
	% Clinker produced with monitoring of major emissions	%	100% clinker is produced with monitoring of major emissions	100% clinker is produced with monitoring of major emissions. Minor emissions are measured only when hazardous waste are used as fuel
	% Clinker produced with continuous monitoring of major emissions	%	Dust emissions are continuously monitored at our facilities	Dust emissions are continuously monitored at our facilities





# WBCSD Cement Sustainability Initiative KPIs for Cement Activities

	Performance Parameters	Unit	2011-12	2012-13
Local Impact	% of sites with quarry rehabilitation plans in place	%	100	100
	% of sites with community engagement plans in place	%	100	100
	No of active sites where biodiversity issues are addressed	No.	We are taking all the required measures to safeguard biodiversity at all our sites	Our due diligence helps in safe guarding biodiversity at all our sites
Safety*	Number of LTIs, directly employed	No.	0	0
	LTI Frequency Rate directly employed (per million manhours)	No.	0	0
	Number of LTIs, indirectly employed	No.	1	2
	LTI Frequency Rate Indirectly Employed	Per million manhours	0.14	0.25
	Number of Lost days, directly employed	No.	0	0
	Lostday Severity Rate directly employed Working Days Basis	Per million manhours	0	0
	Number of Lostdays, Indirectly Employed	No.	18000	171
	Lostday Severity Rate Indirectly Employed Working Days Basis	Per million manhours	1691	15
	Number of Fatalities, Directly Employed	No.	0	0
	Fatality Rate	Per 10,000 Directly Employed	0	0
	Number of Fatalities, Indirectly Employed	No.	3	0
	Fatality Rate	Per 10,000 Indirectly Employed	7.94	0
	Number of Fatalities, Third Parties	No.	0	0
	Were safety results verified independently?		Yes	Yes

\* Safety data reported is as per calendar year Jan 2012 to Dec 2012. Data reported on page no. 30 is for the financial year July 2012 to June 2013

