CSI Key Performance Indices – UltraTech Cement Ltd.

	KPI	FY 2015-16	
A	**Climate Protection (excludes Captive Power)**	**Ultratech**	**Ultratech + Star Cement Co. LLC***
i	CO_2 emissions – Gross (Million tonnes)	30.79	33.00
ii	CO_2 emissions – Net (Million tonnes)	30.68	32.89
iii	Specific CO_2 emissions – Net (kg/tonne cementitious material)	627.37	633.3
iv	Target reduction for CO_2	Reduction in CO2 emission intensity @ 0.5% annually up to 2015 – 16 with baseline year as 2009 – 10 resulting in the reduction of 2.96% over 6 years. This will also include CO2 emissions from Star Cement Co. LLC and upcoming projects.	
v	Independently verified CO_2 data	Externally verified	Externally verified
B	**Fuels and Raw Materials**		
i	Specific heat consumption of clinker production (MJ/tonne clinker)	2986	2987
ii	Total Alternative Fossil Fuel Rate (% of thermal energy consumption)	1.60	1.60
a	Alternative Fuel Rate Non Biomass (% of thermal energy consumption)	1.2	1.1
b	Biomass Alternative Fuel Rate (% of thermal energy consumption)	0.4	0.5
iii	Alternative Raw Materials Rate (% total raw materials for cement production)	14.61	13.86
iv	Clinker/ Cement Ratio (%)	76.6	77.3
C	**Health and Safety**		
i	No. of fatalities (directly employed)	1	1
ii	No. of fatalities (indirectly employed)	3	3
iii	No. of fatalities (involving 3rd parties)	0	0
iv	No. of fatalities per 10,000 directly employed	0	0
v	Lost Time Injuries (LTIs) per 1million man-hours (directly employed)	0.35	0.41

D	**Emissions Reduction**		
i	NO_x emissions (tonnes/year)	71458	74316
ii	SO_2 emissions (tonnes/year)	4509	4814
iii	Dust emissions (tonnes/year)	2104	2175
iv	Specific NO_x emissions (g/tonne clinker)	1896.65	1841.78
v	Specific SO_2 emissions (g/tonne clinker)	119.68	119.31
vi	Specific Dust emissions (g/tonne clinker)	55.84	53.90
1	Target reduction for NO_x	To be fixed after the installation of continuous monitoring system in all Kilns	
viii	Target reduction for SO_2		
ix	Target reduction for Dust		
x	% Clinker produced with monitoring of major and minor emissions	Major emissions - as in the next row. Minor emissions - measured only on sample basis if hazardous wastes are used as fuel.	
xi	% Clinker produced with continuous monitoring of major emissions - NO_x , SO_2, Dust	Dust – 99.83%	Dust – 99.84%
		NOx,SO2 – 94.8%	NOx, SO2 – 94.45%
E	**Local Impact**		
i	% of sites with quarry rehabilitation plans in place	100% Integrated sites	92.86% Integrated sites
ii	% of sites with community engagement plans in place	100% Integrated sites	92.86% Integrated sites
iii	No. of active sites where biodiversity issues are addressed	13	13
iv	No. of active quarries within, containing or adjacent to areas designated for their high biodiversity value	NIL	NIL

* Data of Star Cement Co. LLC includes the operations at Ras Al Khaimah, Ajman and Abu Dhabi in UAE, Bahrain and Bangladesh.