

**CEMENT MANUFACTURING COMPANY LIMITED**  
Lumshnong, Meghalaya

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**SIX MONTHLY ENVIRONMENTAL MONITORING REPORT**

**STACK EMISSION MONITORING RESULTS (JAN – JUNE' 2013)**  
**(Average Values)**

Sl. No.	Stack Attached To	Particulate Matter (mg/Nm <sup>3</sup> )
1	Primary Crusher (Bag Filter)	15.41
2	Secondary Crusher (Bag Filter)	18.27
3	Coal Mill	37.29
4	RABH	29.47
5	Cooler ESP	31.68
6	Cement Mill (Bag Filter)	34.86
7	Packing Plant (Bag Filter)	18.92

**AMBIENT AIR QUALITY MONITORING RESULTS (JAN – JUNE' 2013)**  
**(Average Values)**

Stations ↓	Parameters →	Respirable Suspended particulate Matter (µg/m <sup>3</sup> )		Gaseous Emission (µg/m <sup>3</sup> )	
		PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
Station #1 (Near Guest House)		39.11	24.08	6.76	7.61
Station #2 (Near Pump House)		47.11	28.11	8.03	8.18
Station #3 (Near Security Gate 2)		49.83	30.51	8.86	9.76

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**TREATED SEWAGE WATER QUALITY (JAN – JUNE' 2013)**  
**(Average Values)**

<b>Parameters</b>	<b>Units</b>	<b>Minimum Value</b>	<b>Maximum Value</b>	<b>Average</b>
<b>pH</b>	-	6.4	6.5	6.45
<b>TSS</b>	Mg/lit.	58	71	64.5
<b>BOD<sub>3day</sub></b>	Mg/lit.	12	21	16.5
<b>COD</b>	Mg/lit.	42	96	69