

LAFARGE INDIA LTD. : SONADIH CEMENT PLANT

P.O. RASEDA – 493332, DISTT.- BALODA BAZAR- BHATAPARA, CHHATTISGARH

ENVIRONMENTAL CLEARANCE

For Line 1 Letter No. F. No. J-11011/28/2002-IA-II (I) dated 23/10/2002 & letter dtd 30/12/2002 & 03/06/2004 and for expansion of Cement Plant from 1.50 to 3.50 MPTA (Phase-2)
F.No.J-11011/386/2005-IA-II (I)dated 16/03/2006 & Amendment letter dtd 05/05/2006

Monitoring Data for the Month of December' 2016

A. Stack Emission :

S.N.	Stack Attached to	Pollution Control Equipment	CECB STD (Max.)	Particulate Matter* (Mg/NM ³)
01	Kiln & Raw mill (Line1)	Hybrid Filter	30 mg/NM ³	18
02	Kiln & Raw mill (Line 2)	Bag House	30 mg/NM ³	Stopped
03	Clinker cooler (Line1)	ESP	30 mg/NM ³	14
04	Clinker cooler (Line 2)	Bag house	30 mg/NM ³	Stopped
05	Coal mill (Line1)	Bag Filter	30 mg/NM ³	23
06	Coal mill (Line 2)	Bag Filter	30 mg/NM ³	Stopped
07	Cement mill	Bag Filter	30 mg/NM ³	15
08	Lime stone crusher	Bag Filter	30 mg/NM ³	12

Note: * Spot test results, CEMS reading for: PM < 30 mg/NM³ NOx < 800 mg/NM³ SO2 < 100 mg/NM³
* Line 2 stopped throughout the month

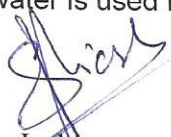
B. Ambient Air Quality :

Pollutants	CECB STD (Max.)	AAQ (Monthly Average) (All values in Microgram/M ³)			
		Ambient Air Quality Monitoring Stations			
		Near Time office	Near LS Crusher	Near Material Gate	Near Scrap yard
PM -10	100	65.1	78.7	86.2	73.8
PM -2.5	60	44.7	39.6	44.8	36.8
SOx	80	8.1	12.5	19.3	10.8
NOx	80	7.6	11.4	12.4	11.2
CO	2000	<10	57.7	1505	997
Noise level	75/70 dB(A)	Noise level is <70 dB(A) in Day time <65 dB(A) during Night time			

C. Discharge Water Quality : Quality of Treated water of Sewage Treatment Plant (STP)

S.N.	Pollutants	PCB Standard (Max)	Results obtained
1	P ^H	5.5-9.0	7.2
2	Suspended Solids	100 mg/Ltr	78
3	Chemical Oxygen Demand (COD)	250 mg/Ltr	72
4	Bio-Chemical Oxygen Demand (BOD)	30 mg/Ltr	13

STP water is used for Horticulture purpose.


Sanjay Joshi
Sr. Vice President