

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 February 2017

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	15
02	Kiln & Raw mill (Line 2)	Bag House	30 mg/NM ³	14
03	Clinker cooler (Line1)	ESP	30 mg/NM ³	26
04	Clinker cooler (Line 2)	Bag house	30 mg/NM ³	16
05	Coal mill (Line1)	Bag Filter	30 mg/NM ³	25
06	Coal mill (Line 2)	Bag Filter	30 mg/NM ³	21
07	Cement mill	Bag Filter	30 mg/NM ³	19
08	Lime stone crusher	Bag Filter	30 mg/NM ³	13

Note: * Spot test results, CEMS reading for: PM < 30 mg/NM³ ·NOx < 800 mg/NM³-SO2 < 100 mg/NM³

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	29.9	84.3	73.6	84.1
PM -2.5	60	31.1	39.5	39.5	44.1
SOx	80	8.4	12.2	19.3	3.8
NOx	80	7.2	10.6	14.0	6.9
CO	2000	<10	53.7	1550	510
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	7.6
2	Suspended Solids	100 mg/Ltr	56
3	Chemical Oxygen Demand (COD)	250 mg/Ltr	88
4	Bio-Chemical Oxygen Demand (BOD)	30 mg/Ltr	12

STP water is used for Horticulture purpose.



Sanjay Joshi
Sr. Vice President