

**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 March 2017**

**A. Stack Emission :**

S.N.	Stack Attached to	Pollution Control Equipment	CECB STD (Max.)	Particulate Matter* (Mg/NM <sup>3</sup> )
01	Kiln & Raw mill (Line1)	Hybrid Filter	30 mg/NM <sup>3</sup>	20
02	Kiln & Raw mill (Line 2)	Bag House	30 mg/NM <sup>3</sup>	16
03	Clinker cooler (Line1)	ESP	30 mg/NM <sup>3</sup>	20
04	Clinker cooler (Line 2)	Bag house	30 mg/NM <sup>3</sup>	21
05	Coal mill (Line1)	Bag Filter	30 mg/NM <sup>3</sup>	23
06	Coal mill (Line 2)	Bag Filter	30 mg/NM <sup>3</sup>	19
07	Cement mill	Bag Filter	30 mg/NM <sup>3</sup>	18
08	Lime stone crusher	Bag Filter	30 mg/NM <sup>3</sup>	15

**Note:** \* Spot test results, CEMS reading for: PM < 30 mg/NM<sup>3</sup> · NOx < 800 mg/NM<sup>3</sup> · SO2 < 100 mg/NM<sup>3</sup>

**B. Ambient Air Quality :**

Pollutants	CECB STD (Max.)	AAQ ( Monthly Average) (All values in Microgram/M <sup>3</sup> )			
		Ambient Air Quality Monitoring Stations			
		Near Time office	Near LS Crusher	Near Material Gate	Near Scrap yard
PM -10	100	93.5	88.5	74.9	87.7
PM -2.5	60	33.5	37.7	42	42.5
SOx	80	8.0	12.9	19.9	5.2
NOx	80	7.4	12	13	6.2
CO	2000	<10	142	1587	527
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 <sup>H</sup>	5.5-9.0	7.5
2	Suspended Solids	100 mg/Ltr	70
3	Chemical Oxygen Demand (COD)	250 mg/Ltr	76
4	Bio-Chemical Oxygen Demand (BOD)	30 mg/Ltr	15

STP water is used for Horticulture purpose.



Sanjay Joshi

Sr. Vice President