

**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 October' 2016**

**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>	15
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>	15
04	Clinker cooler (Line 2)	Bag house	30 mg/NM <sup>3</sup>	22
05	Coal mill (Line1)	Bag Filter	30 mg/NM <sup>3</sup>	20
06	Coal mill (Line 2)	Bag Filter	30 mg/NM <sup>3</sup>	22
07	Cement mill	Bag Filter	30 mg/NM <sup>3</sup>	14
08	Lime stone crusher	Bag Filter	30 mg/NM <sup>3</sup>	13

**Note:** \* Spot test results, CEMS reading for: PM < 30 mg/NM<sup>3</sup> NOx < 800 mg/NM-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	71	77.9	60.3	56.9
PM -2.5	60	36.1	35.2	26.3	23.7
SOx	80	9.3	11.9	13.1	10.1
NOx	80	5.2	10.5	<10	11.2
CO	2000	<10	<10	1337	BDL
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	7.3
2	Suspended Solids	100 mg/Ltr	73
3	Chemical Oxygen Demand (COD)	250 mg/Ltr	84
4	Bio-Chemical Oxygen Demand (BOD)	30 mg/Ltr	14

STP water is used for Horticulture purpose.



Vice President