



INDIA

Last Up Dated On: - August`2016

ARASMETA CEMENT PLANT OF M/S LAFARGE INDIA LTD.  
VILLAGE ARASMETA, PO- GOPALNAGAR,  
DISTT. JANJGIR - CHAMPA, CHHATTISGARH

**CONSENT TO OPERATE**

**PLANT: -** AIR Consent Letter No. 5204//TS/CECB/2016 dated 28/01/2016 for Cement 22.4 Lacs MT/Annum  
Water Consent Letter No. 5202//TS/CECB/2016 dated 28/01/2016 for Cement 22.4 Lacs MT/Annum  
**D.G Set: -** AIR Consent Letter No. 1773//TS/CECB/2013 date 03/07/2013 for 3 x 6 = 18 MW.  
Water Consent Letter No. 1771//TS/CECB/2013 date 03/07/2013 for 3 x 6 = 18 MW.

**Monitoring Data For the Month of July` 2016****A. Stack Emission – Consent Condition for Particulate matter -Max. 50 mg/NM<sup>3</sup>**

S.N.	Stack Attached to	PCEs	Particulate Matter (Mg/Nm <sup>3</sup> )
1	KILN & RAW MILL -1	Bag Filter	19.8
2	PC & RAW MILL -2	Bag Filter	28.4
3	COOLER	ESP	27.5
4	COAL MILL -1	Bag Filter	28.8
5	COAL MILL -2	Bag Filter	24.8
6	CEMENT MILL -1	Bag Filter -1	26.9
7	CEMENT MILL -1	Bag Filter -2	26.3
8	CEMENT MILL -2	ESP	29.2
9	CEMENT MILL -2	Bag Filter	26.5
10	DG-3	-	NR
11	DG-4	-	38.8
12	DG-5	-	44.4

SD-Shut down, NR- Not running

**B. Ambient Air Quality –**

Pollutants	Ambient Air Quality ( Monthly Average)				
	LOCATION				
	NAAQ STD.	Near Wagon Tippler - East	Near Main Security Gate - West	Near Rail way TXR Office -North	Near Old Truck Tippler - South
PM10 (µg/m <sup>3</sup> )	100	44.0	47.0	49.0	39.0
PM2.5 (µg/m <sup>3</sup> )	60	25.0	26.0	28.0	23.0
Sulphur Dioxide SO <sub>2</sub> (µg/m <sup>3</sup> )	80	6.5	6.1	5.4	5.4
Nitrogen Dioxide NO <sub>2</sub> (µg/m <sup>3</sup> )	80	8.6	8.3	6.6	7.1
Carbon Monoxide CO (mg/m <sup>3</sup> )	4	0.15	0.15	0.15	0.14

**C- Discharge Water Quality:**

Cement plant maintained Zero Discharge, for cooling water close circuit arrangement, Plant domestic water discharge through Sock pit. Sewage Treatment Plant installed in colony for treatment of Domestic wastewater, Treated water used for Horticulture purpose.

**Quality of Treated water of STP:**

S.N.	Pollutants	Monthly average Results	CECB Standard (Max)
1	pH	7.2	5.5 - 9.0
2	Suspended Solids	77	100 mg/Ltr.
3	Chemical Oxygen Demand (COD)	62	250 mg/Ltr
4	Biological Oxygen Demand (BOD)	11	30 mg/Ltr
5	Oil& Grease	<5	10 mg/Ltr

For Lafarge India Limited,  
(Arasmeta Cement Plant)

  
(Ramesh Chandra Pathak)  
Vice President