



## ARASMETA LIMESTON MINE OF M/S LAFARGE INDIA LTD

INDIA

VILLAGE ARASMETA, DISTT. JANJGIR - CHAMPA, CHHATTISGARH

Environment clearance

Letter No. J11015/64/2003- IA, II (M) GOI, and MoEF dated 18/7/2005 for production of 2.7 MTPA for Arasmeta Limestone mine.

CONSENT TO OPERATE

Air Consent Letter NO. 482/TS/CECB/2015 Date 25/04/2015 for 2.7 MTPA

Water Consent Letter NO. 480/TS/CECB/2015 Date 25/04/2015 for 2.7 MTPA

**Monitoring Data for the Month Mar` 2016**

KEY PARAMETERS									
<b>A ) STATIC INFORMATION</b>									
1	MINE LEASE AREA	:	499.987 Hect.						
2	PRODUCTION	:	2.7 MTPA						
3	LEASE DURATION	:	2019						
4	DATE OF COMMENCEMENT OF WORK	:	Mines operated since 1982						
<b>B) DYNAMIC PARAMETERS</b>									
<b>(i) Ambient Air Quality</b>									
Ambient Air Quality Monitoring Station									
Parameters		Pit Boundary (East)		Mines office (West)		Colony (North)		Arasmeta village (South)	
		I	II	I	II	I	II	I	II
PM10	(µg/m <sup>3</sup> )	50	52	54	57	52	54	51	54
PM2.5	(µg/m <sup>3</sup> )	31	31	33	34	32	32	30	32
Sulphur Dioxide SO <sub>2</sub>	(µg/m <sup>3</sup> )	5.5	5.6	6.9	6.5	5.7	5.0	5.7	5.9
Nitrogen Dioxide NO <sub>2</sub>	(µg/m <sup>3</sup> )	6.3	7.2	9.1	7.9	6.5	5.7	7.6	7.7
Carbon Monoxide CO	(mg/m <sup>3</sup> )	0.12	0.13	0.17	0.18	0.14	0.14	0.16	0.17
BDL - Below Detection Limit-									
<b>(ii)</b>	<b>Vibration (PPV)</b>	1.75 mm / Sec at the distance of 300 meter from blast site. -							
<b>(iii)</b>	<b>Quality of Discharge Water:-</b>	Zero Discharge Water From Mines							
1	Total Dissolved Solid (TDS)	:	-						
2	Dissolved Oxygen(DO)	:	-						
3	PH	:	-						
4	Total Suspended solids (TSS)	:	-						
<b>(iv) Greenbelt/Plantation</b>									
1	Nos of Trees planted till date -	9,93783 Around Plant, Colony & Included Arasmeta Mines							
2	Calendar year wise (progressive)	2014				2015			
		5075				7108			

For Lafarge India Limited,

Arasmeta Cement Plant,

  
(Ramesh Chandra Pathak)  
Vice President

KIRARI LIMESTONE MINE OF M/S LAFARGE INDIA LTD.  
VILLAGE KIRARI - CHORBHATTI  
DISTT. JANJGIR - CHAMPA, CHHATTISGARH

INDIA

**Environment clearance**

Environment clearance. Letter No. J11015/23/2002- IA, II (M) GOI, MoEF dated 9/12/2003 for production of 0.36 MTPA for Kirari Limestone mine.

**CONSENT TO OPERATE**

Air Consent Letter NO. 3825/TS/CECB/2015 Date 10/11/2015 for 0.36 MTPA  
Water Consent Letter NO. 3823/TS/CECB/2015 Date 10/11/2015 for 0.36 MTPA

**Monitoring Data For the Month of Mar` 2016**

**KEY PARAMETERS**

**A ) STATIC INFORMATION**

1	MINE LEASE AREA	:	167.048 Hect.
2	PRODUCTION	:	0.36 MTPA
3	LEASE DURATION	:	2020
4	DATE OF COMMENCEMENT OF WORK	:	Mines operated since 2006

**B) DYNAMIC PARAMETERS**

**(i) Ambient Air Quality**

Parameters		Ambient Air Quality Monitoring Station							
		Chorbatti (East)		Banhil (West)		Mines office (North)		Kirari (South)	
		I	II	I	II	I	II	I	II
PM10	(µg/m3)	52	49	58	55	56	52	53	51
PM2.5	(µg/m3)	30	28	38	36	32	32	31	30
Sulphur Dioxide SO2	(µg/m3)	5.0	4.5	6.8	6.8	5.6	5.4	5.3	5.8
Nitrogen Dioxide NO2	(µg/m3)	6.2	6.3	9.2	8.2	7.1	6.8	6.8	6.5
Carbon Monoxide CO	(mg/m3)	0.15	0.15	0.22	0.22	0.15	0.16	0.17	0.16

**(ii) Vibration (PPV)** 0.86 mm / Sec at the distance of 200 meter from blast site. -


**(iii) Quality of Discharge Water:-** Zero Discharge Water From Mines

1	Total Dissolved Solid (TDS)	:	-
2	Dissolved Oxygen(DO)	:	-
3	PH	:	-
4	Total Suspended solids (TSS)	:	-

**(iv) Greenbelt/Plantation**

1	Nos of Trees planted till date -	35275 nos. Plantation at Kirari Mines		
2	Calendar year wise (progressive)	2014		2015
		8300 (5800 nos. with in mining lease and 2500 nos.out side mining lease area )		6000 Nos.

For Lafarge India Limited,  
Arasmeta Cement Plant,

  
(Ramesh Chandra Pathak)  
Vice President