

## 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. 1004/TS/CECB/2016 Date 17/05/2016 for 2.7 MTPA

Water Consent Letter NO. 1002/TS/CECB/2016 Date 17/05/2016 for 2.7 MTPA

**Monitoring Data for the Month Feb` 2017**

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/m3)	57	56	68	63	43	43	52	56
PM2.5	(µg/m3)	32	31	37	38	23	22	28	31
Sulphur Dioxide SO2	(µg/m3)	7.6	7.4	8.8	8.1	6.5	7.2	7.6	7.9
Nitrogen Dioxide NO2	(µg/m3)	9.1	8.8	11.4	10.4	8.2	8.3	10.8	9.2
Carbon Monoxide CO	(mg/m3)	0.16	0.17	0.19	0.19	0.12	0.11	0.15	0.13
BDL - Below Detection Limit-									
<b>(ii)</b>	<b>Vibration (PPV)</b>	2.31 mm / Sec at the distance of 300 meter from blast site. -							
<b>(iii)</b>	<b>Quality of Discharge Water :- Zero Discharge Water From Mines</b>								
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 -	1005783 Around Plant, Colony & Included Arasmeta Mines							
2	Calendar year wise (progressive)	2015				2016			
		7108				12000			

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, and MoEF dated 9/12/2003 for production of 0.36 MTPA for Kirari Limestone mine.

**CONSENT TO OPERATE**

Air Consent Letter NO. 481/RO/TS/CECB/2016 Date 23/06/2016 for 0.36 MTPA  
 Water Consent Letter NO. 480/RO/TS/CECB/2016 Date 23/06/2016 for 0.36 MTPA

**Monitoring Data For the Month of Feb ` 2017**

**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)	43	51	58	69	61	58	51	49
PM2.5 (µg/m3)	24	31	35	41	35	34	27	26
Sulphur Dioxide SO2 (µg/m3)	6.7	6.8	8.1	7.9	7.1	7.3	7.3	7.2
Nitrogen Dioxide NO2 (µg/m3)	8.2	8.1	9.2	10.2	8.4	8.1	9.0	8.8
Carbon Monoxide CO (mg/m3)	0.10	0.12	0.16	0.16	0.11	0.13	0.12	0.11

**(ii) Vibration (PPV)** 2.57 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 -	40275 nos. Plantation at Kirari Mines
2	Calendar year wise (progressive)	2015
		6000 Nos.
		2016
		6000 Nos.

For Lafarge India Limited,  
 Arasmeta Cement Plant,

  
 (Ramesh Chandra Pathak)  
 Vice President