

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 May` 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/m3)		44	46	51	53	47	79	51	50
PM2. 5 (µg/m3)		24	26	32	32	27	27	28	30
Sulphur Dioxide SO2 (µg/m3)		5.1	5.2	6.5	6.3	5.0	5.2	5.6	5.8
Nitrogen Dioxide NO2 (µg/m3)		5.8	6.3	7.4	8.2	6.4	6.2	7.6	7.2
Carbon Monoxide CO (mg/m3)		0.12	0.12	0.15	0.15	0.15	0.13	0.15	0.16
BDL - Below Detection Limit-									
<b>(ii) Vibration (PPV)</b>		2.41 mm / Sec at the distance of 300 meter from blast site. -							
<b>(iii) 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 -	9,93983 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 May` 2016**

KEY PARAMETERS									
<b>A ) STATIC INFORMATION</b>									
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>B) DYNAMIC PARAMETERS</b>									
<b>(i) Ambient Air Quality</b>									
Ambient Air Quality Monitoring Station									
Parameters		Chorbatti (East)		Banhil (West)		Mines office (North)		Kirari (South)	
		I	II	I	II	I	II	I	II
PM10	(µg/m3)	46	47	54	57	48	51	51	49
PM2.5	(µg/m3)	26	28	35	36	30	32	31	35
Sulphur Dioxide SO2	(µg/m3)	5.1	5.3	6.7	7.5	5.6	5.0	5.3	5.1
Nitrogen Dioxide NO2	(µg/m3)	6.3	6.7	9.7	9.5	7.3	6.3	6.8	6.2
Carbon Monoxide CO	(mg/m3)	0.14	0.14	0.20	0.20	0.14	0.14	0.14	0.14
<b>(ii)</b>	<b>Vibration (PPV)</b>	1.89 mm / Sec at the distance of 200 meter from blast site. -							
<b>(iii) 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 -	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