



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 Nov` 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)	54	56	57	48	53	48	59	60
PM2.5	(µg/m3)	28	32	31	28	26	22	31	24
Sulphur Dioxide SO2	(µg/m3)	7.2	6.8	8.3	7.2	6.9	7.2	7.8	6.2
Nitrogen Dioxide NO2	(µg/m3)	8.5	8.2	10.1	9.9	8.4	8.2	10.4	8.2
Carbon Monoxide CO	(mg/m3)	0.15	0.12	0.18	0.13	0.14	0.15	0.17	0.14
BDL - Below Detection Limit-									
<b>(ii)</b>	<b>Vibration (PPV)</b>	2.41 mm / Sec at the distance of 300 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 -			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 Nov` 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/m <sup>3</sup> )	52	49	62	74	54	56	56	48
PM2.5	(µg/m <sup>3</sup> )	30	34	38	42	34	37	32	28
Sulphur Dioxide SO <sub>2</sub>	(µg/m <sup>3</sup> )	6.1	6.2	9.5	10.2	7.1	7.8	7.3	7.5
Nitrogen Dioxide NO <sub>2</sub>	(µg/m <sup>3</sup> )	8.2	7.8	11.2	12.3	7.7	7.4	8.0	8.2
Carbon Monoxide CO	(mg/m <sup>3</sup> )	0.14	0.16	0.21	0.19	0.15	0.16	0.12	0.14
<b>(ii)</b>	<b>Vibration (PPV)</b>	2.37 mm / Sec at the distance of 200 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)</b>	<b>Greenbelt/Plantation</b>								
1	Nos of Trees planted till date -	40275 nos. Plantation at Kirari Mines							
2	Calendar year wise (progressive)	2015				2016			
		6000 Nos.				6000 Nos.			

For Lafarge India Limited,  
Arasmeta Cement Plant,

  
(Ramesh Chandra Pathak)  
Vice President