

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 June` 2016

KEY PARAMETERS									
A) STATIC INFORMATION									
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) DYNAMIC PARAMETERS									
(i) Ambient Air Quality									
		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)	43	50	48	52	49	47	45	50
PM2.5	(µg/m3)	23	29	26	31	27	28	27	28
Sulphur Dioxide SO2	(µg/m3)	5.2	5.6	6.1	6.8	5.4	5.7	5.8	6.8
Nitrogen Dioxide NO2	(µg/m3)	6.0	7.0	7.8	7.8	6.5	6.8	7.4	7.9
Carbon Monoxide CO	(mg/m3)	0.12	0.14	0.14	0.16	0.15	0.14	0.14	0.15
BDL - Below Detection Limit-									
(ii)	Vibration (PPV)	1.58 mm / Sec at the distance of 300 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 -	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, and 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 June` 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										
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)	45	43	55	53	49	52	48	50	
PM2.5	(µg/m3)	27	24	32	35	30	33	28	29	
Sulphur Dioxide SO2	(µg/m3)	5.0	5.0	6.4	7.1	5.2	5.8	5.1	5.7	
Nitrogen Dioxide NO2	(µg/m3)	6.1	6.4	9.5	8.8	6.2	7.7	6.5	7.2	
Carbon Monoxide CO	(mg/m3)	0.14	0.13	0.18	0.19	0.14	0.15	0.15	0.14	
(ii)	Vibration (PPV)	1.27 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