



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 Dec` 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)	51	57	61	55	48	50	53	58
PM2.5	(µg/m3)	27	31	34	28	24	26	28	30
Sulphur Dioxide SO2	(µg/m3)	7.0	7.4	8.5	7.8	6.6	7.2	7.6	7.3
Nitrogen Dioxide NO2	(µg/m3)	8.2	8.4	10.4	8.3	8.2	8.6	10.7	8.9
Carbon Monoxide CO	(mg/m3)	0.14	0.15	0.16	0.14	0.14	0.14	0.18	0.15
BDL - Below Detection Limit-									
(ii)	Vibration (PPV)	2.27 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 -	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



INDIA

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

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 DEC' 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 ($\mu\text{g}/\text{m}^3$)	49	45	62	58	52	59	58	60
PM2.5 ($\mu\text{g}/\text{m}^3$)	26	25	36	38	26	32	33	35
Sulphur Dioxide SO ₂ ($\mu\text{g}/\text{m}^3$)	7.2	6.8	7.5	7.9	7.2	7.4	7.6	7.7
Nitrogen Dioxide NO ₂ ($\mu\text{g}/\text{m}^3$)	8.8	8.5	8.4	10.4	8.8	8.0	9.7	9.4
Carbon Monoxide CO (mg/m ³)	0.14	0.14	0.17	0.18	0.14	0.15	0.15	0.14

(ii) Vibration (PPV) 2.41mm / 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		2016
		6000 Nos.		6000 Nos.

For Lafarge India Limited,
Arasmeta Cement Plant,


(Ramesh Chandra Pathak)
Vice President