

# LAFARGE

Monthly Mines Environment monitoring report

Dated: 08th Jan., 2017

ARNIYA JOSHI LIMESTONE MINE, VILLAGE ARNIYA JOSHI, MOTA, SAHBAD

And

SRK LIMESTONE MINE, VILLAGE-SITARAM JI KA KHERA

Of

M/s LAFARGE INDIA LIMITED

TEHSIL- NIMBAHERA, DISTRICT- CHITTORGARH (RAJ.)

## ENVIRONMENT CLEARANCE LETTER NO.:


1. **Arniya Joshi Limestone mine-** J-11011/1097/2007-IA (I) dated 23.12.2008 for integrated Cement Plant (Cement 1.6 MTPA, Clinker 1.6 MTPA), Captive Power Plant (25 MW), DG set (5 MW) and Arniya Joshi Limestone mining (2.6 MTPA, 1476.25 ha.).
2. **SRK Limestone mine-** J-11015/268/2011-IA-II (M) dated 17.09.2014 for Limestone mine with production capacity of 2.6 million TPA (ROM) (602 ha.).

KEY PARAMETERS			
<b>A) Static Information</b>			
1	<b>Mine Lease Area</b>	:	Arniya Joshi Limestone Mine- 1476.25 Ha. SRK Mine 602 Ha.
2	<b>Production capacity</b>	:	Arniya Joshi Limestone Mine- 2.6 MTPA. SRK Mine 2.6 MTPA.
3	<b>Lease duration</b>		Arniya Joshi Limestone mine-2041. SRK Mine- 2047.
4	<b>Date of Commencement of the work</b>		<b>Arniya Joshi Limestone:-</b> mine- Mining of lime stone at the site commenced after obtaining consent to operate for major mineral mine at near village- Arniya Joshi, Tehsil- Nimbahera, District- Chittorgarh (Raj.), (ML no.-10/06) from RSPCB vide their letter no. <b>F(Mines)/Chittorgarh (Nimbahera)/3/2009-2010/6673-6678, dated- 26/10/2012.</b>  <b>Sita Ram Ji Ka Khera Limestone mine:-</b> Mining of lime stone at the site site commenced after obtaining consent to operate for major mineral mine at near village- Sita Ram Ji ka Khera, Tehsil- Nimbahera, District- Chittorgarh (Raj.) (ML No. 9/92) From RSPCB vide their letter no. <b>F (Mines)/Chittorgarh (Nimbahera)/1857(1)/2015-16/156-160. Dated- 15/4/2015.</b>
<b>B. Dynamic Parameters-</b> Monitoring data for the month of Jan.'17.			
<b>Pollutants in (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>RSPCB (Max.)</b>	<b>AAQ (Monthly Average) data</b>	
		<b>Location of Ambient Air Quality Monitoring Stations</b>	
		<b>AAQM data AJ mine</b>	<b>AAQM data SRK mine</b>
<b>Particulate Matter (PM<sub>2.5</sub>)</b>	60	38.20	33.60

**Lafarge India Limited**  
**Chittor Cement Plant**  
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**AFARGE**

Particulate Matter (PM10)	100	79.13	68.72	
NOx	80	17.92	20.11	
SOx	80	8.36	9.01	
O3	180	7.47	7.33	
Pb	1	0.06	0.06	
CO	4	BDL	BDL	
NH3	400	7.65	7.82	
C6H6	5	ND	ND	
BaP	1	ND	ND	
As	BDL	BDL	BDL	
Ni	20	7.22	7.00	
Hg	-	ND	ND	
<b>C. Vibration (PPV): 2.54 mm/sec. @23.6 Hz.</b>				
<b>D. Green belt development /Plantation data.</b>				
<b>No. Of Plants are planted till Jan.'17</b>	<b>30181 Plants are planted from 2013 to till Jan.'17 at AJ Mine &amp;SRK Mine by M/s Lafarge India Limited.</b>			
Calendar year wise (Nos).	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17 (Till date)</b>
	2016	2245	456	25464

  
Ramesh Warke  
(Vice President-CCP)

