

Monthly Mines Environment monitoring report

Dated: 11th Nov.' 2017

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

And

SRK LIMESTONE MINE, VILLAGE-SITARAM JI KA KHERA

Of

M/s NUVOCO VISTAS CORPORATION LTD. (FORMERLY 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		
A) Static Information		
1	Mine Lease Area	: Arniya Joshi Limestone Mine- 1476.25 Ha. SRK Mine 602 Ha.
2	Production capacity	: Arniya Joshi Limestone Mine- 2.6 MTPA. SRK Mine 2.6 MTPA.
3	Lease duration	Arniya Joshi Limestone mine-2041. SRK Mine- 2047.
4	Date of Commencement of the work	Arniya Joshi Limestone:- 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 there letter no. F(Mines)/Chittorgarh (Nimbahera)/3/2009-2010/6673-6678, dated- 26/10/2012. Sita Ram Ji Ka Khera Limestone mine:- 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. F (Mines)/Chittorgarh (Nimbahera)/1857(1)/2015-16/156-160. Dated- 15/4/2015.

B. Dynamic Parameters- Monitoring data for the month of Oct.'17.

Pollutants in ($\mu\text{g}/\text{m}^3$)	RSPCB (Max.)	AAQ (Monthly Average) data	
		Location of Ambient Air Quality Monitoring Stations	
		AAQM data AJ mine	AAQM data SRK mine
Particulate Matter (PM _{2.5})	60	32.38	41.92
Particulate Matter (PM ₁₀)	100	65.70	71.50
NOx	80	15.50	22.18
SOx	80	8.63	9.21
O ₃	180	5.97	7.06
Pb	1	0.05	0.07
CO	4	BDL	BDL
NH ₃	400	5.05	6.27
C ₆ H ₆	5	ND	ND
BaP	1	ND	ND
As	BDL	BDL	BDL
Ni	20	4.05	7.01
Hg	--	ND	ND

C. Vibration (PPV): 1.86 mm/sec. @26.07 Hz.

D. Green belt development /Plantation data.

No. Of Plants are planted	37974 Plants are planted from 2013 to till Aug.'17 at AJ Mine & SRK Mine by M/s Nuvovo Vistas Corp. Limited. (Formerly Lafarge India Limited).			
Calendar year wise (Nos).	2013-14	2014-15	2015-16	2016-17
	2016	2245	7183	14906
	2017-18			
	11624			



Ramesh Warke
(Sr. Vice President-CCP)