

**Monthly Plant Environment monitoring report**

Dated: 8<sup>th</sup> Oct.' 2018

**CHITTOR CEMENT PLANT  
Of**

**M/s Nuvoco Vistas Corp. Ltd. (Formerly Lafarge India Ltd.)**

(Villages- Bhawalia, Mangrol and Arniya Joshi, Tehsil- Nimbahera, District. Chittorgarh, Rajasthan)

**Environmental Clearance letter no.:**

- Letter No.:** J-11011/1097/2007-IA-II (I) dated 23.12.2008 for Integrated Cement Plant (Cement 2.6 MTPA; Clinker 1.6 MTPA), Captive Power Plant (25 MW), DG set (5 MW) and Arniya Joshi Limestone Mining (2.6 MTPA, 1476.425 ha.)
- J-11011/113/2011-IA-II (I) dated 19.06.2012 for Proposed Expansion of Cement Plant (from 1.6 MTPA to 2.6 MTPA).

KEY PARAMETERS					
A) Static Information					
1.	Plant Area	:	182.7 Hact.		
2.	Production capacity	:	Clinker- 1.6 MTPA Cement- 2.6 MTPA		
3.	Date of Commencement of the work	:	30/9/2013.		
B. Dynamic Parameters- Monitoring data for the month of Sep'18					
Pollutants in (µg/m <sup>3</sup> )	RSPCB (Max.)	AAQ (Monthly Average) data			
		Location of Ambient Air Quality Monitoring Stations			
		Crusher Gate	Mangrol Gate	Main Gate-1	Township
Particulate Matter (PM <sub>2.5</sub> )	60	32.66	29.82	32.93	28.93
Particulate Matter (PM <sub>10</sub> )	100	61.36	57.04	62.05	57.17
NO <sub>x</sub>	80	19.41	18.11	22.54	17.66
SO <sub>x</sub>	80	10.10	10.00	10.72	9.17
O <sub>3</sub>	180	6.40	5.26	6.16	5.25
Pb	1	0.09	0.09	0.10	0.08
CO	4	BDL	BDL	BDL	BDL
NH <sub>3</sub>	400	5.52	4.81	5.82	4.59

C6H6	5	ND	ND	ND	ND
BaP	1	ND	ND	ND	ND
As	BDL	BDL	BDL	BDL	BDL
Ni	20	3.82	4.54	4.89	3.69

**C. Green belt development /Plantation data.**

**No. Of Plants are planted till Dec.'17** 46413 Plants are planted from 2011 to till Dec.'17 at Plant, Colony & Nearby area by M/s Nuvovo Vistas Corp. Limited. (Formerly Lafarge India Limited).

Calendar year wise (Nos).	2011-12	2012-13	2013-14	2015	2016	2017
	8092	4970	15107	4750	8600	4894

Month-wise Plantation for NVCL in 2018.	Jan'18	Feb'18	March'18	April'16	May'18	June'18
	100	100	60	20	50	1855
	July'18	Aug'18	Sep'18			
	680	120	50			



Raghavendra Rao Jahagirdar  
(Vice President-CCP)

**Monthly Mines Environment monitoring report**

Dated: 8<sup>th</sup> Oct' 2018

**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		
<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>	<p><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 there <b>letter no. F (Mines)/Chittorgarh (Nimbahera)/3/2009-2010/6673-6678, dated- 26/10/2012.</b></p> <p><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></p>

**Nuvoco Vistas Corp. Ltd.**

(formerly Lafarge India Limited)

Chittor Cement Plant, Village – Bhawaliya, Tehsil – Nimbahera, Dist. – Chittorgarh, Rajasthan – 312620 (India).

Tel: +91 07727006120 | Websites: www.nuvoco.in | CIN – U26940MH1999PLC118229

Registered Office: Equinox Business Park, Tower-3, East Wing, 4<sup>th</sup> Floor, LBS Road, Kurla (West), Mumbai 400070

**B. Dynamic Parameters- Monitoring data for the month of Sep'18**

Pollutants in (µg/m3)	RSPCB (Max.)	AAQ (Monthly Average) data	
		Location of Ambient Air Quality Monitoring Stations	
		AAQM data AJ mine	AAQM data SRK mine
Particulate Matter (PM2.5)	60	34.1	35.0
Particulate Matter (PM10)	100	70.7	71.3
NO2	80	18.6	16.3
SO2	80	8.4	6.6
O3	180	7.7	8.6
Pb	1	0.09	0.09
CO	4	0.56	0.58
NH3	400	5.6	4.89
C6H6	5	BDL	BDL
BaP	1	BDL	BDL
As	BDL	BDL	BDL
Ni	20	2.0	BDL

**C. Vibration (PPV): 3.6 mm/sec. @ 50.36 Hz.**

**D. Green belt development /Plantation data.**

<b>No. Of Plants are planted</b>	37974 Plants are planted from 2013 to till Dec.'17 at AJ Mine & SRK Mine by M/s Nuvovo Vistas Corp. Limited. (Formerly Lafarge India Limited).			
Calendar year wise (Nos).	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
	2016	2245	7183	14906
	<b>2017-18</b>	<b>Jan'18 to Sep'18</b>		
	11624	10764		

  
**Raghavendrao Jahagirdar**  
 (Vice President-CCP)

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