

## Monthly Mines Environment monitoring report

Dated: 12<sup>th</sup> Aug, 2019

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.  
 TEHSIL- NIMBAHERA, DISTRICT- CHITTORGARH (RAJ.)

### ENVIRONMENT CLEARANCE LETTER NO.:

- 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.).
- 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	<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 there <b>letter no. 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>



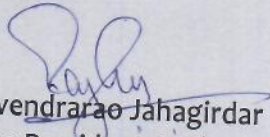
**B. Dynamic Parameters- Monitoring data for the month of July'19**

Pollutants in (µg/m <sup>3</sup> )	RSPCB (Max.)	AAQ (Monthly Average) data	
		Location of Ambient Air Quality Monitoring Stations	
		AAQM data AJ mine	AAQM data SRK mine
Particulate Matter (PM <sub>2.5</sub> )	60	41.78	37.80
Particulate Matter (PM <sub>10</sub> )	100	80.38	72.48
NO <sub>2</sub>	80	25.67	24.65
SO <sub>2</sub>	80	9.41	9.12
O <sub>3</sub>	180	23.95	15.74
Pb	1	0.08	0.07
CO	4	0.69	BDL
NH <sub>3</sub>	400	11.13	16.12
C <sub>6</sub> H <sub>6</sub>	5	BDL	BDL
BaP	1	BDL	BDL
As	6	BDL	BDL
Ni	20	3.98	BDL
Mercury as Hg		BDL	BDL

**C. Vibration (PPV): 3.44 mm/sec. @ 57.87 Hz.**

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

<b>No. Of Plants are planted</b>	<b>48738 Plants are planted from 2013 to till Dec.'18 at AJ Mine &amp; SRK Mine by M/s Nuvovo Vistas Corp. Limited.</b>			
<b>Calendar year wise (Nos).</b>	<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>2018-19</b>		
	11624	10764		

  
**Raghavendrarao Jahagirdar**  
 (Sr. Vice President-CCP)





Monthly Plant Environment monitoring report

Dated: 12<sup>th</sup> Aug, 2019

CHITTOR CEMENT PLANT  
Of

M/s Nuvoco Vistas Corp. Ltd.

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

Environmental Clearance letter no.:

1. 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.)
2. 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- 1.94 MTPA Cement- 2.6 MTPA
3.	Date of Commencement of the work	:	30/9/2013.

B. Dynamic Parameters- Monitoring data for the month of July'19

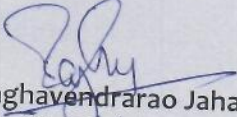
Pollutants in (µg/m <sup>3</sup> )	RSPCB (Max.)	AAQ (Monthly Average) data			
		Location of Ambient Air Quality Monitoring Stations			
		Crusher Gate	Mangrol Gate	Main Gate-1	Township
Particulate Matter (PM <sub>2.5</sub> )	60	37.75	35.93	35.75	30.86
Particulate Matter (PM <sub>10</sub> )	100	70.34	67.33	68.67	61.47
NO <sub>x</sub>	80	23.63	21.56	23.66	21.20
SO <sub>x</sub>	80	10.72	11.76	10.35	8.87
O <sub>3</sub>	180	13.44	12.97	14.60	12.64
Pb	1	0.09	0.10	0.11	0.15
CO	4	BDL	BDL	BDL	BDL
NH <sub>3</sub>	400	9.59	9.84	10.49	8.63



C6H6	5	ND	ND	ND	ND
BaP	1	ND	ND	ND	ND
As	6	BDL	BDL	BDL	BDL
Ni	20	3.45	3.21	3.64	2.18
Hg	--	ND	ND	ND	ND

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

<b>No. Of Plants are planted till Mar.'18</b>	57627 Plants are planted from 2011 to till <b>March'19</b> at Plant, Colony & Nearby area by <b>M/s Nuvovo Vistas Corp. Limited.</b>					
<b>Calendar year wise (Nos).</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
	8092	4970	15107	4750	8600	5154
<b>Month-wise Plantation of NVCL Chittor Cement Plant in year- 2019.</b>	<b>April'18</b>	<b>May'18</b>	<b>June'18</b>	<b>July'18</b>	<b>Aug'18</b>	<b>Sep'18</b>
	20	50	1855	680	120	50
	<b>Oct'18</b>	<b>Nov.'18</b>	<b>Dec'18</b>	<b>Jan'19</b>	<b>Feb'19</b>	<b>March'19</b>
	180	0	50	345	30	70
	<b>April'19</b>	<b>May'19</b>	<b>June'19</b>	<b>July'19</b>		
	00	00	100	300		

  
**Raghavendrarao Jahagirdar**  
 (Sr. Vice President-CCP)

