

**Monthly Plant Environment monitoring report**

Dated: 7<sup>th</sup> Feb, 2020

**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).
3. J-11011/113/2011-IA-II (I) dated: - 16<sup>th</sup> November'2017, for proposed enhancement in Clinker production (from 1.60 to 1.94 MTPA) by process optimization.

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 Jan.'20					
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-2.5)	60	51.36	40.61	46.33	38.84
Particulate Matter* (PM-10)	100	57.09	52.94	54.99	47.91
NO <sub>2</sub>	80	25.57	23.77	24.05	21.19
SO <sub>2</sub>	80	10.18	11.13	10.33	8.72
O <sub>3</sub>	180	18.07	18.05	16.56	11.95

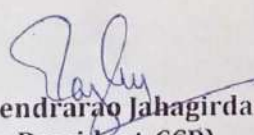
**Nuvoco Vistas Corp. Ltd.**

Chittor Cement Plant, Village Bhawalia, Tehsil Nimbahera, Dist. Chittaurgarh. Rajasthan 312620 (India).  
 Tel: +91 07727006120 | Websites: www.nuvoco.in | CIN - U26940MH1999PLC118229  
 Registered Office: Equinox Business Park, Tower-3. East Wing, 4th Floor. LBS Road, Kurla (West), Mumbai 400070

Pb	1	0.08	0.09	0.09	0.09
CO	4	BDL	BDL	BDL	BDL
NH <sub>3</sub>	400	8.14	9.00	8.82	8.59
C <sub>6</sub> H <sub>6</sub>	5	ND	ND	ND	ND
BaP	1	ND	ND	ND	ND
As	6	BDL	BDL	BDL	BDL
Ni	20	3.24	2.92	4.10	3.35
Hg	--	ND	ND	ND	ND

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

No. of Plants are planted till Mar.'19	61977 sampling have are planted from 2011 to till March'19 at Plant, Colony & Nearby area under CSR activity by M/s Nuvovo Vistas Corp. Limited.					
Calendar year wise (Nos).	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
	8092	4970	15107	4750	8600	5154
Month-wise Plantation of NVCL Chittor Cement Plant in FY- 2019-20.	2017-18	2018-19				
	8112	3946				
	April'19	May'19	June'19	July'19	Aug'19	Sept'19
	00	00	100	300	500	10
	Oct'19	Nov.'19	Dec.'19	Jan'20		
	5	600	1106	86		

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

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## Monthly Mines Environment monitoring report

Dated: 7<sup>th</sup> Feb, 2020

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.:-

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.

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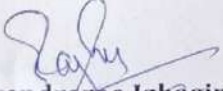
**B. Dynamic Parameters- Monitoring data for the month of Jan.'20**

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	32.41	37.35
Particulate Matter (PM <sub>10</sub> )	100	53.16	58.44
NO <sub>2</sub>	80	25.35	28.84
SO <sub>2</sub>	80	9.87	8.03
O <sub>3</sub>	180	16.74	26.27
Pb	1	0.08	0.13
CO	4	0.61	0.72
NH <sub>3</sub>	400	13.96	19.85
C <sub>6</sub> H <sub>6</sub>	5	BDL	BDL
BaP	1	BDL	BDL
As	6	BDL	BDL
Ni	20	3.50	4.80
Mercury as Hg		BDL	BDL

**C. Vibration (PPV): 2.47 mm/sec. @ 52.02 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>			
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>2018-19</b>		
	11624	10764		

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

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