

Monthly Mines Environment monitoring report

Dated: 5th March, 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.

Nuvoco Vistas Corp. Ltd.

Chittor Cement Plant, Village Bhawaliya, 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

B. Dynamic Parameters- Monitoring data for the month of Feb.'2020

Pollutants in (µg/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 (PM2.5)	60	36.39	39.39
Particulate Matter (PM10)	100	57.36	55.28
NO ₂	80	26.35	24.39
SO ₂	80	9.49	10.28
O ₃	180	18.39	21.29
Pb	1	0.11	0.16
CO	4	0.71	0.79
NH ₃	400	16.29	18.38
C ₆ H ₆	5	BDL (DL 0.5)	BDL (DL 0.5)
BaP	1	BDL (DL 0.1)	BDL (DL 0.1)
As	6	BDL (DL 0.5)	BDL (DL 0.5)
Ni	20	5.28	4.38
Mercury as Hg		BDL (DL 0.5)	BDL (DL 0.5)

C. Vibration (PPV): 1.91 mm/sec. @ 31.39 Hz.

D. Green belt development /Plantation data.

No. Of Plants are planted	48738 Plants are planted from 2013 to till Dec. 19 at AJ Mine & SRK Mine by M/s Nuvovo Vistas Corp. Limited.			
Calendar year wise (Nos).	2013-14	2014-15	2015-16	2016-17
	2016	2245	7183	14906
	2017-18	2018-19		
	11624	10764		

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S. Chh. (operational)
13/3/2020

Raghavendraro Jahagirdar
(Sr. Vice President-CCP)

Nuvoco Vistas Corp. Ltd.

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Monthly Plant Environment monitoring report

Dated: 5th March, 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: - 16th 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 Feb.'2020					
Pollutants in ($\mu\text{g}/\text{m}^3$)	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	46.65	41.22	46.09	40.02
Particulate Matter (PM-10)	100	63.10	58.15	56.58	49.65
NO ₂	80	26.08	24.09	23.66	21.84
SO ₂	80	10.81	11.57	10.51	9.00
O ₃	180	17.32	18.86	17.25	16.29

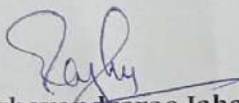
Nuvoco Vistas Corp. Ltd.

Chittor Cement Plant, Village Bhawaliya, Tehsil Nimbahera, Dist. Chittaurgarh. Rajasthan 312620 (India).
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Pb	1	0.17	0.34	0.09	0.10
CO	4	0.62	0.60	0.59	0.33
NH ₃	400	8.76	9.41	9.00	8.59
C ₆ H ₆	5	BDL (DL 0.5)	BDL (DL 0.5)	BDL (DL 0.5)	BDL (DL 0.5)
BaP	1	BDL (DL 0.1)	BDL (DL 0.1)	BDL (DL 0.1)	BDL (DL 0.1)
As	6	BDL (DL 0.5)	BDL (DL 0.5)	BDL (DL 0.5)	BDL (DL 0.5)
Ni	20	4.37	3.05	2.98	2.81
Hg	--	BDL (DL 0.5)	BDL (DL 0.5)	BDL (DL 0.5)	BDL (DL 0.5)

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	Feb'20	
	5	600	1106	86	1300	


Raghavendra Rao Jahagirdar
 (Sr. Vice President-CCP)