

Monthly Plant Environment monitoring report

Dated: 08th Feb, 2021

CHITTOR CEMENT PLANT
Of
Nuvoco Vistas Corp. Ltd.
(Villages- Bhawalia, Mangrol and Arniya Joshi, Tehsil- Nimbahera, District. Chittorgarh, Rajasthan)

Environmental Clearance letter no.:-

1. Letter No.: J-11011/1097/2607-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 Jan., 2021					
Pollutants in ($\mu\text{g}/\text{m}^3$)	RSPCB (Max.)	AAQM (Monthly Average) data			
		Location of Ambient Air Quality Monitoring Stations			
		Crusher Gate	Mangrol Gate	Main Gate-1	Township
Particulate Matter (PM-2.5)	60	36.79	35.43	35.98	30.65
Particulate Matter (PM-10)	100	63.78	60.87	59.65	58.77
NO ₂	80	24.97	22.78	23.84	21.28
SO ₂	80	10.34	12.47	9.74	8.97
O ₃	160	16.39	16.73	15.30	13.50

Nuvoco Vistas Corp. Ltd.

Chittor Cement Plant, Village Bhawalia, Tehsil. Nimbahera, Dist. - Chittorgarh, Rajasthan - 312620 (India)

Tel. : +91 69799186222 | Website : www.nuvoco.com | CIN : U26940M:HL999P:LC118229


Registered Office : Equinox Business Park, Tower-3, East Wing, 4th Floor, Off. Bandra-Kurla Complex, LBS Road, Kurla (West), Mumbai 400070

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Pb	1	0.09	0.10	0.10	0.09
CO	4	0.61	0.62	0.58	0.60
NH ₃	400	9.73	10.26	9.98	8.37
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	4.23	3.85	3.54	2.85
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.'20	66020 Sampling have are planted from 2011 to March'20 at Plant, Colony & Nearby area under CSR activity by 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- 2020-21.	2017-18	2018-19	2019-20			
	8112	3946	4063			
	April'20	May'20	June'20	July'20	Aug'20	Sept'20
	00	00	1040	1860	800	130
	Oct'20	Nov'20	Dec'20	Jan'21		
	50	20	00	10		


Sanjay Kumar Tyagi
(Vice President-CCP)

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Monthly Mines Environment monitoring report

Dated: 08th Feb, 2021

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

And

SRK LIMESTONE MINE, VILLAGE-SITARAM JI KA KHERA

Of

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 Limestone Mine 2.6 MTPA.
3	Lease duration : Arniya Joshi Limestone mine- 2041. SRK Limestone 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 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 Jan. 2021 for AJ Mine	

Nuvoco Vistas Corp. Ltd.

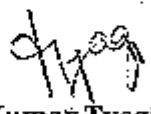
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Pollutants in ($\mu\text{g}/\text{m}^3$)	RSPCB (Max.)	AAQ (Monthly Average) data			
		Location of Ambient Air Quality Monitoring Stations			
		AJ Mines Office	Sarvodiya Office	AJ Mine South Boundary	Village- Arniya Joshi
Particulate Matter (PM _{2.5})	60	38.27	39.83	35.79	37.66
Particulate Matter (PM ₁₀)	100	64.28	66.53	63.51	61.38
NO ₂	80	22.39	23.86	22.96	22.48
SO ₂	80	11.28	11.63	12.38	11.44
O ₃	180	18.29	20.38	18.13	19.34
Pb	1	0.12	0.10	0.09	0.10
CO	4	0.64	0.69	0.68	0.64
NE ₃	400	11.15	12.37	9.74	10.09
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	4.27	4.56	3.45	2.69
Mercury as Hg	...	BDL (DL 0.5)	BDL (DL 0.5)	BDL (DL 0.5)	BDL (DL 0.5)


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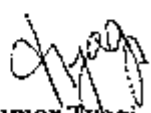
C. Dynamic Parameters- Monitoring data of SRK mine for the month of Jan'2021.

Pollutants in (µg/m ³)	RSPCB (Max.)	AAQ (Monthly Average) data			
		Location of Ambient Air Quality Monitoring Stations			
		Crusher (LS)	SRK Mine (petrol pump)	Village - Sitaram ji ka khera	Village - Tila khera
Particulate Matter (PM _{2.5})	60	36.98	39.28	35.39	36.39
Particulate Matter (PM ₁₀)	100	62.18	65.38	61.27	59.23
NO ₂	80	24.39	22.16	21.67	21.58
SO ₂	80	11.16	12.56	11.06	11.05
O ₃	180	18.19	21.16	18.26	17.26
Pb	1	0.11	0.12	0.09	0.11
CO	4	0.66	0.69	0.66	0.69
NH ₃	400	9.26	11.06	9.12	10.09
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	3.28	4.21	3.29	3.68
Mercury as Hg	...	BDL (DL 0.5)	BDL (DL 0.5)	BDL (DL 0.5)	BDL (DL 0.5)

D. Vibration (PPV-SRK Mine): 1.28 mm/sec. @ 38.46 Hz.

E. Green belt development /Plantation data.

No. Of Plants are planted	48738 Plants are planted from 2013-14 to 2019-20 at AJ Mine & SRK Mine by Nuvovo Vistas Corp. Limited.			
	2013-14	2014-15	2015-16	2016-17
	2016	2245	7183	14906
	2017-18	2018-19		2019-20
Calendar year wise (Nos).	11624	10764		8341
	2020-21 (upto Jan'21)			
	7425			


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