

Monthly Plant Environment monitoring report

Dated: 7th Jan.' 2019

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.:

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- 1.6 MTPA Cement- 2.6 MTPA		
3.	Date of Commencement of the work	:	30/9/2013.		
B. Dynamic Parameters- Monitoring data for the month of Dec'18					
Pollutants in (µg/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	38.04	35.96	38.48	32.45
Particulate Matter (PM ₁₀)	100	70.37	64.71	70.32	62.53
NO _x	80	21.23	18.87	23.20	18.54
SO _x	80	10.53	10.34	10.60	9.94
O ₃	180	6.53	5.40	6.14	5.46
Pb	1	0.10	0.10	0.10	0.09
CO	4	BDL	BDL	BDL	BDL
NH ₃	400	5.59	5.31	5.28	4.80

Nuvoco Vistas Corp. Ltd.

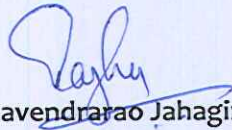
(formerly Lafarge India Limited)

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, 4th Floor. LBS Road, Kurla (West), Mumbai 400070

C6H6	5	ND	ND	ND	ND	
BaP	1	ND	ND	ND	ND	
As	6	BDL	BDL	BDL	BDL	
Ni	20	3.89	4.79	4.38	4.01	
C. Green belt development /Plantation data.						
No. Of Plants are planted till Mar.'18	46673 Plants are planted from 2011 to till Mar'18 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	2014-15	2015-16	2016-17
	8092	4970	15107	4750	8600	5154
Month-wise Plantation for NVCL in 2018.	April'18	May'18	June'18	July'18	Aug'18	Sep'18
	20	50	1855	680	120	50
	Oct'18	Nov.'18	Dec'18			
	180	0	50			



Raghavendra Rao Jahagirdar
(Vice President-CCP)

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	
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.

B. Dynamic Parameters- Monitoring data for the month of Dec.'18				
Pollutants in ($\mu\text{g}/\text{m}^3$)	RSPCB (Max.)	AAQ (Monthly Average) data		
		Location of Ambient Air Quality Monitoring Stations		
		AAQM data AJ mine	AAQM data SRK mine	
Particulate Matter (PM _{2.5})	60	28.5	31.0	
Particulate Matter (PM ₁₀)	100	64.1	67.5	
NO ₂	80	21.2	18.1	
SO ₂	80	9.4	8.1	
O ₃	180	6.8	9.0	
Pb	1	0.05	0.09	
CO	4	0.53	0.68	
NH ₃	400	BDL	6.1	
C ₆ H ₆	5	BDL	BDL	
BaP	1	BDL	BDL	
As	6	BDL	BDL	
Ni	20	1.0	2.0	
C. Vibration (PPV): 3.6 mm/sec. @ 25-54 Hz.				
D. Green belt development /Plantation data.				
No. Of Plants are planted	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).	2013-14	2014-15	2015-16	2016-17
	2016	2245	7183	14906
	2017-18	Jan'18 to Dec'18		
	11624	10764		


 Raghavendrarao Jahagirdar
 (Vice President-CCP)