

**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 June'19					
Pollutants in (µg/m3)	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	40.95	35.93	39.38	31.63
Particulate Matter (PM ₁₀)	100	72.66	67.33	71.50	63.38
NO _x	80	24.59	21.56	24.65	21.02
SO _x	80	11.24	11.76	11.80	10.18
O ₃	180	13.21	12.97	13.85	11.73
Pb	1	0.09	0.10	0.11	0.07
CO	4	BDL	BDL	BDL	BDL
NH ₃	400	10.90	9.29	10.90	8.81

C6H6	5	ND	ND	ND	ND	ND
BaP	1	ND	ND	ND	ND	ND
As	6	BDL	BDL	BDL	BDL	BDL
Ni	20	3.56	3.28	3.88	2.15	
Hg	-	ND	ND	ND	ND	ND
C. Green belt development /Plantation data.						
No. Of Plants are planted till Mar.'18	57627 Plants are planted from 2011 to till March'19 at Plant, Colony & Nearby area 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 year- 2019.	April'18	May'18	June'18	July'18	Aug'18	Sep'18
	20	50	1855	680	120	50
	Oct'18	Nov.'18	Dec'18	Jan'19	Feb'19	March'19
	180	0	50	345	30	70
	April'19	May'19	June'19			
	00	00	100			



Raghavendrarao Jahagirdar
 (Sr. 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.
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	<p>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.</p> <p>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.</p>

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

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	35.10	45.89
Particulate Matter (PM ₁₀)	100	70.10	80.43
NO ₂	80	18.47	26.76
SO ₂	80	8.77	11.32
O ₃	180	13.68	22.10
Pb	1	0.07	0.10
CO	4	0.62	0.58
NH ₃	400	10.55	15.60
C ₆ H ₆	5	BDL	BDL
BaP	1	BDL	BDL
As	6	BDL	BDL
Ni	20	3.21	6.42

C. Vibration (PPV): 3.22 mm/sec. @ 50.67 Hz.

D. Green belt development /Plantation data.

No. Of Plants are planted	48738 Plants are planted from 2013 to till Dec.'18 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		



Raghavendra Rao Jahagirdar
(Sr. Vice President-CCP)

Nuvoco Vistas Corp. Ltd.

Chittor Cement Plant, Village – Bhowaliya, Tehsil – Nimbahera, Dist. – Chittorgarh, Rajasthan – 312620 (India).

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