

J.K. Cement WORKS, NIMBAHERA (RAJ)

Our Ref. No.: NBH/PC-13/ 308

Date: 05.04.2012

To,

The Member Secretary

Rajasthan State Pollution Control Board

4, Institutional Area, Jhalana Dungri,

JAIPUR – 302 004 (RAJ)

Sub : Environmental Monitoring results of **Nimbahera Cement Plant** for the month of March, 2012.

Ref.: Your's File No. F(Tech)/Chittorgarh(Nimbahera)/5(1)/2010-2011/2110-2114 &
Order No. 2011-2012/CPM/941 Dated 20/06/2011

Dear Sir,

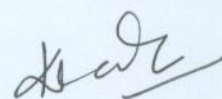
We are enclosing herewith monitoring results of Stack, Opacity Monitor, Ambient Air Quality, PCM Performance Report and STP Treated Water Analysis Report for Nimbahera Cement Plant as per Consent to Operate conditions under Air & Water Act for the month of March, 2012 for your kind reference and record.

We trust you will find the same in order.

Thanking you,

Yours Faithfully

For J.K. Cement WORKS, NIMBAHERA



(K.K. Jalori)

Sr. Vice President (O& E)

Encl. : a / a

Copy To :

The Regional Officer,

Rajasthan State Pollution Control Board,

Plot No 12, Scheme No. 6,

Kumbha Nagar,

CHITTORGARH (RAJ)

➔ Pollution Control Deptt.

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MONTH : MARCH

YEAR : 2012

AMBIENT AIR QUALITY MONITORING RESULT

(ALL VALUES IN MICROGRAMS / CUBIC METER)

S.No.	LOCATION	Ambient Air Quality Avg. SPM {µg/M3}				RSPM	Remark
		Ist WEEK	IIInd WEEK	IIIrd WEEK	IVth WEEK		
1	NEAR MAIN SECURITY GATE	304.7	310.7	324.4	312.2	38	
2	NEAR STACKER TRANSFER POINT	302.7	299.9	301.4	311.9	37	
3	NEAR NEW J.K. FACTORY GATE	313.0	322.7	304.2	323.2	32	
4	NEAR MINE GATE	321.6	314.5	329.7	314.3	31	

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DATA SHEET FOR PARTICULATE MATTER EMISSION FROM POINT SOURCE

MONTH : MARCH

YEAR: 2012

DATE	NAME OF THE STACK	CROSS SECTIONAL AREA OF DUCT (M ²)	STACK GASES TEMP. (° K)	STACK GASES VELOCITY (M / Sec.)	FLOW OF GASES IN STACK (NM ³ /Sec.)	DUST CONC. (Mg/NM ³)	MEAN DUST CONC. (Mg/NM ³)	EMISSION RATE (Ts/DAY)	REMARK
01.03.2012	L.S. CRUSHER (B.F.)	0.26	326	14.79	3.52	44.8		0.014	
08.03.2012	L.S. CRUSHER (B.F.)	0.26	324	15.37	3.68	46.0		0.015	
15.03.2012	L.S. CRUSHER (B.F.)	0.26	325	15.08	3.60	49.0	46.4	0.015	
22.03.2012	L.S. CRUSHER (B.F.)	0.26	323	15.03	3.61	45.9		0.014	
02.03.2012	KILN - 1 (MAIN ESP)	2.01	383	17.04	26.65	82.60		0.190	
09.03.2012	KILN - 1 (MAIN ESP)	Kiln under maintenance							
16.03.2012	KILN - 1 (MAIN ESP)	Kiln under maintenance							
23.03.2012	KILN - 1 (MAIN ESP)	Kiln under maintenance							
02.03.2012	KILN - 1(ADDITIONAL ESP)	1.13	382	16.07	14.17	81.10		0.100	
09.03.2012	KILN - 1(ADDITIONAL ESP)	Kiln under maintenance							
16.03.2012	KILN - 1(ADDITIONAL ESP)	Kiln under maintenance							
23.03.2012	KILN - 1(ADDITIONAL ESP)	Kiln under maintenance							
02.03.2012	KILN - 2 ESP	3.80	382	19.01	56.35	76.2		0.37	
09.03.2012	KILN - 2 ESP	3.80	382	18.74	55.55	81.4	77.7	0.39	
16.03.2012	KILN - 2 ESP	3.80	383	19.04	56.29	78.5		0.38	
23.03.2012	KILN - 2 ESP	3.80	382	19.01	56.35	74.8		0.36	

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YEAR: 2012

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05.03.2012	COAL MILL-3 B.F.	0.38	331	14.24	4.87	44.8		0.019	
12.03.2012	COAL MILL-3 B.F.	0.38	333	13.58	4.62	47.8	47.1	0.019	
19.03.2012	COAL MILL-3 B.F.	0.38	334	13.96	4.73	49.2		0.020	
26.03.2012	COAL MILL-3 B.F.	0.38	332	14.26	4.86	46.4		0.019	
03.03.2012	COAL MILL-4 ESP	1.13	349	12.36	11.93	73.4		0.076	
10.03.2012	COAL MILL-4 ESP	1.13	348	11.04	10.68	71.4	74.2	0.066	
17.03.2012	COAL MILL-4 ESP	1.13	347	11.90	11.55	75.0		0.075	
24.03.2012	COAL MILL-4 ESP	1.13	348	11.49	11.12	76.9		0.074	
06.03.2012	CEMENT MILL-1 ESP	0.31	363	13.80	3.51	71.1		0.022	
13.03.2012	CEMENT MILL-1 ESP	0.31	365	13.45	3.40	76.4	74.2	0.022	
20.03.2012	CEMENT MILL-1 ESP	0.31	366	13.47	3.40	74.2		0.022	
27.03.2012	CEMENT MILL-1 ESP	0.31	365	12.64	3.20	75.1		0.021	
06.03.2012	CEMENT MILL-2 ESP	0.28	362	17.19	3.96	77.3		0.026	
13.03.2012	CEMENT MILL-2 ESP	0.28	363	16.59	3.81	79.1		0.026	
20.03.2012	CEMENT MILL-2 ESP	0.28	365	17.57	4.02	72.0	76.1	0.025	
27.03.2012	CEMENT MILL-2 ESP	0.28	363	16.27	3.74	75.8		0.024	

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Treated Domestic Effluent Analysis Report

For the Month : March, 2012

Location : Outlet of STP

Date of Sampling : 12.03.2012

S.No.	PARAMETER	RPCB LIMITS	RESULTS
1	pH	Between 5.5 to 9.0	7.32
2	Total Suspended Solids (TSS)	Not to exceed 100 mg/l	66 mg/l
3	Chemical Oxygen Demand (COD)	Not to exceed 250 mg/l	53.10 mg/l
4	Bio-Chemical Oxygen Demand (BOD) (3 Days at 27 ⁰ C)	Not to exceed 30 mg/l	9.70 mg/l
5	Oil & Grease	Not to exceed 10 mg/l	4 mg/l
6	Ammononical Nitrogen (as N)	Not to exceed 50 mg/l	6.85 mg/l
7	Sulphide (as S)	Not to exceed 2.0 mg/l	0.78 mg/l
8	Chlorides	Not to exceed 600 mg/l	102.0 mg/l
9	Total Kjeldahl Nitrogen (as N)	Not to exceed 100 mg/l	12.40 mg/l