

Ambuja Cement

STACK EMISSION MONITORING RESULTS (JULY 2013) (Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	8.46
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	12.17
4	Clinker Dump Hopper-2 Bag Filter	11.94
5	Packing Plant -1 Bag Filter	12.88
6	Packing Plant -2 Bag Filter	13.08

AMBIENT AIR MONITORING RESULTS (JULY 2013) (Average Values)

Stations	Respirable Suspended Particulate Matter (µg/M ³)		Gaseous Emission (µg/M ³)	
	PM10	PM2.5	SO ₂	NO _x
Station No. 1 (Near Adm. Office)	68.3	23.75	10	13.4
Station No. 2 (Near Scrap Yard)	63.4	27.31	9.6	12.5
Station No. 3 (Near MPSS)	59.7	27.70	9.2	12.9
Station No. 4 (Towards Navagraon)	66.4	26.31	8.8	12.7
Station No. 5 (Towards Pater Phaloo)	62.2	26.37	9.4	12.4
Station No. 6 (Towards Ratyor)	64.7	27.22	9.7	12.8

TREATED SEWAGE WATER QUALITY (JULY 2013) (Average Values)

Parameters	Units	Minimum Value	Maximum Value	Average
pH	-	8	8.5	8.1
TSS	Mg/lit.	25	40	32
BOD _{5day}	Mg/lit.	14	24	19.2
COD	Mg/lit.	60	100	76

RESULTS OF ONLINE EMISSION MONITOR ATTACHED TO CEMENT MILL STACK (JULY 2013)

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M ³)	1	40	9

Ambuja Cements Limited (Unit: Nalagarh)
Village Navagraon, P.O. Jajhra, Tehsil Nalagarh, Distt. Solan (H.P.) 174 101
(Regd. Off.: P.O. Ambujanagar, Taluka Kodinar, Distt. Junagarh, Gujarat – 362 715)

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ONLINE AMBIENT AIR QUALITY MONITORING RESULTS (JULY 2013)

Date	Respirable Suspended Particulate Matter ($\mu\text{g}/\text{M}^3$)		Gaseous Emission		
	PM10	PM2.5	NOx	SO2	CO
01/07/2013	76.5	37.6	0	7.75	0.2
02/07/2013	77.4	41.8	0	9.2	0.5
03/07/2013	34.5	43.6	0	8.86	0.3
04/07/2013	48.9	48	0	6.64	0.3
05/07/2013	53.8	0	0	5.85	0.3
06/07/2013	28.9	0	0	12.67	0.2
07/07/2013	17.1	0	0	5.18	0.4
08/07/2013	22	0	0	6.18	0.3
09/07/2013	37.2	0	0	6.71	0.2
10/07/2013	31.8	0	0	5.88	0.2
11/07/2013	58.8	0	0	6.23	0.3
12/07/2013	43.1	0	0	5.87	0.3
13/07/2013	38.7	0	0	5.22	0.3
14/07/2013	43.2	0	0	5.83	0.3
15/07/2013	27	0	0	5.47	0.3
16/07/2013	25.1	0	0	8.14	0.3
17/07/2013	34.9	0	0	4.95	0.3
18/07/2013	35	0	0	5.76	0.3
19/07/2013	32.8	0	0	5.06	0.4
20/07/2013	23.1	0	0	8.86	0.2
21/07/2013	31.1	0	0	4.35	0.3
22/07/2013	29.7	0	0	5.76	0.4
23/07/2013	37.4	0	0	4.06	0.3
24/07/2013	39.3	0	0	7.65	0.3
25/07/2013	34.6	0	0	5.3	0.3
26/07/2013	36.3	0	0	4.25	0.3
27/07/2013	46.4	0	0	4.23	0.3
28/07/2013	48	0	0	4.57	0.3
29/07/2013	46.5	0	0	4.95	0.2
30/07/2013	62.2	0	0	5.83	0.3
31/07/2013	69.5	0	0	2.53	0.3

0 - SYSTEM PROBLEM

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (JULY 2013)

Stations	Parameters		
	Nickel (ng/M ³)	Arsenic (ng/M ³)	Lead (µg/M ³)
Station No. 1 (Near Adm. Office)	ND	ND	ND
Station No. 2 (Near Scrap Yard)	ND	ND	ND
Station No. 3 (Near MPSS)	ND	ND	ND
Station No. 4 (Towards Navagraon)	ND	ND	ND
Station No. 5 (Towards Pater Phaloo)	ND	ND	ND
Station No. 6 (Towards Ratyor)	ND	ND	ND

ND – Not Detected.