

Ambuja Cement

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

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	9.03
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	11.37
4	Clinker Dump Hopper-2 Bag Filter	12.08
5	Packing Plant -1 Bag Filter	13.17
6	Packing Plant -2 Bag Filter	13.61

AMBIENT AIR MONITORING RESULTS (JUNE 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)	73.4	29.90	9.3	14.2
Station No. 2 (Near Scrap Yard)	67.6	28.61	8.9	12.8
Station No. 3 (Near MPSS)	69.6	27.46	9.0	12.1
Station No. 4 (Towards Navagraon)	70.9	30.72	8.1	13.1
Station No. 5 (Towards Pater Phaloo)	65.2	29.58	9.0	13.5
Station No. 6 (Towards Ratyor)	62.4	27.56	8.5	13.3

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

Parameters	Units	Minimum Value	Maximum Value	Average
pH	-	7.5	8.5	8.0
TSS	Mg/lt.	25	40	33
BOD _{5day}	Mg/lt.	14	22	18
COD	Mg/lt.	40	80	68

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

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M ³)	1	45	11

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 (JUNE 2013)

Date	Respirable Suspended Particulate Matter (µg/M3)		Gaseous Emission		
	PM10	PM2.5	NOx	SO2	CO
01/06/2013	0	0	0	0	0
02/06/2013	0	0	0	0	0
03/06/2013	0	0	0	0	0
04/06/2013	0	0	0	0	0
05/06/2013	0	0	0	0	0
06/06/2013	0	0	0	0	0
07/06/2013	0	0	0	0	0
08/06/2013	0	0	0	0	0
09/06/2013	0	0	0	0	0
10/06/2013	0	0	0	0	0
11/06/2013	0	0	0	0	0
12/06/2013	0	0	0	0	0
13/06/2013	0	0	0	0	0
14/06/2013	0	0	0	0	0
15/06/2013	0	0	0	0	0
16/06/2013	0	0	0	0	0
17/06/2013	0	0	0	0	0
18/06/2013	0	0	0	0	0
19/06/2013	0	0	0	0	0
20/06/2013	96.57	48.54	0	5.58	0.3
21/06/2013	117.6	41.41	0	6.2	0.3
22/06/2013	102.3	43.52	0	5.75	0.3
23/06/2013	125.5	45.94	0	5.56	0.3
24/06/2013	0	0	0	0	0.3
25/06/2013	30.2	50.23	0	6.39	0.3
26/06/2013	29.4	43.28	0	5.65	0.3
27/06/2013	51.4	35.01	0	5.86	0.3
28/06/2013	68.5	23.95	0	6.02	0.3
29/06/2013	75.09	21.03	0	6.1	0.3
30/06/2013	57.1	51.63	0	7.11	0.3

0 - SYSTEM PROBLEM

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (JUNE 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	0.1
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.