

Ambuja Cement

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

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	9.46
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	11.81
4	Clinker Dump Hopper-2 Bag Filter	13.03
5	Packing Plant -1 Bag Filter	11.30
6	Packing Plant -2 Bag Filter	13.34

AMBIENT AIR MONITORING RESULTS (SEPTEMBER 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)	66.3	27.65	9.9	12.8
Station No. 2 (Near Scrap Yard)	68.1	26.96	8.6	12.6
Station No. 3 (Near MPSS)	64.6	25.33	7.6	11.6
Station No. 4 (Towards Navagraon)	70.9	27.28	8.7	12
Station No. 5 (Towards Pater Phaloo)	64.8	28.37	8.9	11.9
Station No. 6 (Towards Ratyor)	65.4	26.81	7.9	11.4

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

Parameters	Units	Minimum Value	Maximum Value	Average
pH	-	7.5	8.5	7.9
TSS	Mg/lit.	25	50	38
BOD _{5day}	Mg/lit.	12	25	19
COD	Mg/lit.	40	100	72

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

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M ³)	1	40	12

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 (SEPTEMBER 2013)

Date	Respirable Suspended Particulate Matter ($\mu\text{g}/\text{M}^3$)		Gaseous Emission		
	PM10	PM2.5	NOx	SO2	CO
01/09/2013	0	0	0	0	0
02/09/2013	0	0	0	0	0
03/09/2013	0	0	0	0	0
04/09/2013	0	0	0	0	0
05/09/2013	0	0	0	0	0
06/09/2013	0	0	0	0	0
07/09/2013	0	0	0	0	0
08/09/2013	0	0	0	0	0
09/09/2013	0	0	0	0	0
10/09/2013	61.8	0	0	4.85	0.06
11/09/2013	66.5	0	0	4.36	0.3
12/09/2013	75.1	0	0	4.74	0.3
13/09/2013	0	0	0	6.22	0.3
14/09/2013	0	0	0	4.97	0.3
15/09/2013	0	0	0	6.64	0.3
16/09/2013	0	0	0	6.27	0.3
17/09/2013	0	0	0	6.64	0.3
18/09/2013	0	0	0	5.17	0.2
19/09/2013	0	0	0	6.35	0.2
20/09/2013	0	0	0	5.93	0.3
21/09/2013	0	0	0	5.75	0.2
22/09/2013	0	0	0	5.96	0.3
23/09/2013	0	0	0	5.71	0.3
24/09/2013	0	0	0	0	0
25/09/2013	0	0	0	0	0
26/09/2013	0	0	0	0	0
27/09/2013	0	0	0	0	0
28/09/2013	0	0	0	0	0
29/09/2013	0	0	0	0	0
30/09/2013	0	0	0	0	0

0 - SYSTEM PROBLEM

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (SEPTEMBER 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.