

# Ambuja Cement

## STACK EMISSION MONITORING RESULTS (AUGUST 2013) (Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm <sup>3</sup> )
1	Cement Mill Bag House	9.53
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	11.74
4	Clinker Dump Hopper-2 Bag Filter	14.55
5	Packing Plant -1 Bag Filter	12.78
6	Packing Plant -2 Bag Filter	13.77

## AMBIENT AIR MONITORING RESULTS (AUGUST 2013) (Average Values)

Stations	Respirable Suspended Particulate Matter (µg/M <sup>3</sup> )		Gaseous Emission (µg/M <sup>3</sup> )	
	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>
Station No. 1 (Near Adm. Office)	70.3	25.1	9.2	12.6
Station No. 2 (Near Scrap Yard)	69.5	27.37	8.4	11.9
Station No. 3 (Near MPSS)	65.8	28.28	8.3	12.1
Station No. 4 (Towards Navagraon)	64.9	26.79	8.9	12
Station No. 5 (Towards Pater Phaloo)	66	24.48	8.3	11.9
Station No. 6 (Towards Ratyor)	69.3	23.88	9.1	11.5

## TREATED SEWAGE WATER QUALITY (AUGUST 2013) (Average Values)

Parameters	Units	Minimum Value	Maximum Value	Average
pH	-	7.5	8.5	8.0
TSS	Mg/lit.	20	45	35
BOD <sub>5day</sub>	Mg/lit.	18	24	21.6
COD	Mg/lit.	40	100	84

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

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M <sup>3</sup> )	1	35	8

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## ONLINE AMBIENT AIR QUALITY MONITORING RESULTS (AUGUST 2013)

01/08/2013	96.8	0	0	3.82	0
02/08/2013	34.8	0	0	4.37	0
03/08/2013	43.1	0	0	5.43	0.2
04/08/2013	0	0	0	0	0
05/08/2013	0	0	0	0	0
06/08/2013	36.6	0	0	4.24	0.3
07/08/2013	31.8	0	0	4.99	0.2
08/08/2013	55.9	0	0	5.97	0.3
09/08/2013	24.5	0	0	5.12	0.3
10/08/2013	29.3	0	0	5.01	0.3
11/08/2013	32.5	0	0	6.51	0.3
12/08/2013	27.5	0	0	5.34	0.3
13/08/2013	22.9	0	0	4.86	0.3
14/08/2013	26.5	0	0	4.94	0.3
15/08/2013	27.2	0	0	5.37	0.3
16/08/2013	20.5	0	0	5.8	0.3
17/08/2013	26.7	0	0	5.13	0.3
18/08/2013	36	0	0	5.26	0.3
19/08/2013	29.6	0	0	5.35	0.3
20/08/2013	33.1	0	0	5.49	0.3
21/08/2013	31.5	0	0	5.14	0.3
22/08/2013	0	0	0	0	0
23/08/2013	0	0	0	0	0
24/08/2013	0	0	0	0	0
25/08/2013	0	0	0	0	0
26/08/2013	0	0	0	0	0
27/08/2013	0	0	0	0	0
28/08/2013	0	0	0	0	0
29/08/2013	0	0	0	0	0
30/08/2013	0	0	0	0	0
31/08/2013	0	0	0	0	0

0 - SYSTEM PROBLEM

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## HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (AUGUST 2013)

Stations	Parameters		
	Nickel (ng/M <sup>3</sup> )	Arsenic (ng/M <sup>3</sup> )	Lead (µg/M <sup>3</sup> )
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.