

# Ambuja Cement

## STACK EMISSION MONITORING RESULTS (NOVEMBER 2014) (Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm <sup>3</sup> )
1	Cement Mill Bag House	8.22
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	14.33
4	Clinker Dump Hopper-2 Bag Filter	15.65
5	Packing Plant -1 Bag Filter	14.47
6	Packing Plant -2 Bag Filter	15.71

## AMBIENT AIR MONITORING RESULTS (NOVEMBER 2014) (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)	70.6	22.42	8.1	12.3
Station No. 2 (Near Scrap Yard)	67.2	20.91	7.1	11.1
Station No. 3 (Near MPSS)	64.6	23.12	7.4	11.7
Station No. 4 (Towards Navagraon)	66.1	22.54	7.8	11.8
Station No. 5 (Towards Pater Phaloo)	63.5	19.85	8	12.7
Station No. 6 (Towards Ratyor)	64.4	20.50	8.8	13

## TREATED SEWAGE WATER QUALITY (NOVEMBER 2014) (Average Values)

Parameters	Units	STP1 Inside Plant			STP2 Outside Plant		
		Minimum Value	Maximum Value	Average	Minimum Value	Maximum Value	Average
pH	-	8	8.5	-	8.0	8.5	-
TSS	Mg/lt.	20	40	29	25	40	34
BOD <sub>5day</sub>	Mg/lt.	10	18	13.2	12	22	16.4
COD	Mg/lt.	40	80	64	60	100	76

## RESULTS OF ONLINE EMISSION MONITOR ATTACHED TO CEMENT MILL STACK (NOVEMBER 2014)

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M <sup>3</sup> )	2	35	16

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## ONLINE AMBIENT AIR QUALITY MONITORING RESULTS (NOVEMBER 2014)

Date	PM 10	PM 2.5	CO	SO <sub>2</sub>	NO <sub>x</sub>
	ug/m <sup>3</sup>	ug/m <sup>3</sup>	mg/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>
01/11/2014	54.54	43.27	1.09	4.56	18.19
02/11/2014	54.47	39.25	1.13	3.22	13.89
03/11/2014	54.14	37.59	1.14	2.13	13.93
04/11/2014	53.62	38.75	1.17	2.66	13.89
05/11/2014	58.72	39.58	1.13	4.25	13.91
06/11/2014	61.67	28.35	1.14	2.57	13.91
07/11/2014	61.95	31.08	1.03	2.07	13.91
08/11/2014	62.03	43.86	1.26	3.39	13.91
09/11/2014	62.66	40.46	0.98	3.09	13.92
10/11/2014	62.71	47.32	1.09	3.1	13.91
11/11/2014	62.8	41.88	1.07	5.53	13.91
12/11/2014	62.47	37.55	1.11	4.02	13.89
13/11/2014	62.62	35.07	1.17	3.79	13.89
14/11/2014	62.48	14.62	1.18	5.6	13.89
15/11/2014	61.72	1.56	1.28	1.9	13.9
16/11/2014	*	*	*	*	*
17/11/2014	62.28	1.16	1.23	3.15	13.9
18/11/2014	62.39	1.14	1.27	5.34	13.93
19/11/2014	62.2	1.46	1.32	3.52	13.89
20/11/2014	62.31	1.37	1.36	3.7	13.92
21/11/2014	62.33	1.26	1.19	4.16	13.91
22/11/2014	58.72	*	1.21	1.99	13.92
23/11/2014	55.52	*	1.2	3.79	13.91
24/11/2014	52.72	*	1.25	3.4	13.91
25/11/2014	51.12	*	1.31	3.93	13.93
26/11/2014	51.04	*	1.32	2.47	13.92
27/11/2014	50.87	*	1.47	4.98	13.91
28/11/2014	50.86	*	1.35	5.98	13.93
29/11/2014	40.45	*	1.27	4.35	13.92
30/11/2014	289.61	*	1	3.28	13.92

\* - Problem in analyser

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## HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (NOVEMBER 2014)

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.