

# Ambuja Cement

## STACK EMISSION MONITORING RESULTS (NOVEMBER 2015)

(Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm <sup>3</sup> )
1	Cement Mill Bag House	13.20
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	14.56
4	Clinker Dump Hopper-2 Bag Filter	15.39
5	Packing Plant -1 Bag Filter	16.71
6	Packing Plant -2 Bag Filter	12.38

## AMBIENT AIR MONITORING RESULTS (NOVEMBER 2015)

(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 Towards Jajhra)	62.9	19.88	7.5	10.8
Station No. 2 (RWH Near Scrap Yard)	65.2	18.59	7.0	9.4
Station No. 3 (Near MPSS)	66.6	17.92	7.0	10.2
Station No. 4 (Towards Navagraon)	59.9	16.35	7.5	8.8
Station No. 5 (Towards Pater Phaloo)	61.8	19.00	7.4	10.7
Station No. 6 (Towards Ratyor)	58.1	17.73	8.0	11.6

## TREATED SEWAGE WATER QUALITY (NOVEMBER 2015)

(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/lit.	25	50	39	30	55	42
BOD <sub>5day</sub>	Mg/lit.	8	14	10.8	12	18	14.4
COD	Mg/lit.	40	60	48	40	80	68

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## ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (NOVEMBER 2015)

Date	CAAQMS Data					Stack Emission Data
	PM 10 (ug/m3)	PM 2.5 (ug/m3)	CO (ug/m3)	SO <sub>2</sub> (ug/m3)	Nox (ug/m3)	PM Concentration (mg/M3)
01/11/2015	18.73	10.93	*	2.47	18.59	6.88
02/11/2015	18.95	10.84	*	3.31	18.37	2.39
03/11/2015	18.98	23.75	*	4.5	17.01	2.55
04/11/2015	27.71	24.56	*	3.71	17.53	2.61
05/11/2015	83.54	17.23	*	4.95	17.38	4.96
06/11/2015	73.42	14.47	*	3	19.07	7.06
07/11/2015	75.43	17.2	*	4.41	19.1	7.04
08/11/2015	115.74	33.08	*	4.39	23.15	2.74
09/11/2015	97.1	24.1	*	4.04	23.11	8.6
10/11/2015	77.1	15.84	*	1.85	22.5	12.48
11/11/2015	42.36	9.57	*	3.17	16.33	7.41
12/11/2015	51.46	16.21	*	7.57	13.47	7.37
13/11/2015	49.86	14.09	*	3.27	13.91	7.48
14/11/2015	46.53	12.35	*	4.02	13.94	12.11
15/11/2015	*	*	*	*	*	*
16/11/2015	62.17	13.34	*	4.42	15.69	7.33
17/11/2015	51.29	11.02	*	5.33	15.83	7.65
18/11/2015	53.67	12.11	*	3.18	16.93	14.29
19/11/2015	69.62	17.08	*	2.66	21.07	9.63
20/11/2015	68.96	45.44	*	4.59	23.24	1.65
21/11/2015	77.13	64.02	*	2.69	22.04	2.62
22/11/2015	82.73	46.37	*	3.9	20.19	9.31
23/11/2015	72.87	39.76	*	3.5	21.22	11.11
24/11/2015	57.29	23.06	*	2.96	20.05	12.02
25/11/2015	47.49	16.62	*	5.31	17.4	13.09
26/11/2015	47.62	17.33	*	2.85	16.98	9.89
27/11/2015	41.42	16.48	*	3.43	18.76	2.79
28/11/2015	51.08	19.86	*	4.73	20.62	12.25
29/11/2015	65.5	26.28	*	3.7	19.49	12.59
30/11/2015	61.02	24.96	*	3.03	17.17	6.69

\* Analyzer Problem

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## HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (NOVEMBER 2015)

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.