

# Ambuja Cement

## STACK EMISSION MONITORING RESULTS (JULY 2015) (Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm <sup>3</sup> )
1	Cement Mill Bag House	9.29
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	12.52
4	Clinker Dump Hopper-2 Bag Filter	14.31
5	Packing Plant -1 Bag Filter	14.40
6	Packing Plant -2 Bag Filter	11.46

## AMBIENT AIR MONITORING RESULTS (JULY 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)	58.07	18.80	7.9	11.2
Station No. 2 (Near Scrap Yard)	53.33	17.84	7.9	11.1
Station No. 3 (Near MPSS)	56.02	18.50	7.2	10.8
Station No. 4 (Towards Navagraon)	52.42	16.20	8.1	11.7
Station No. 5 (Towards Pater Phaloo)	53.70	17.19	7.6	11.5
Station No. 6 (Towards Ratyor)	55.87	15.81	7.8	10.8

## TREATED SEWAGE WATER QUALITY (JULY 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.	30	45	38	40	60	51
BOD <sub>5day</sub>	Mg/lit.	8	18	13.6	12	24	18.4
COD	Mg/lit.	40	80	60	40	80	64

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## ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (JULY 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)
01/07/2015	46.95	18.25	0.3	15.1	23.81	1.16
02/07/2015	58.47	20.5	0.3	22.73	23.79	4.53
03/07/2015	65.29	19.79	0.31	22.95	23.8	1.01
04/07/2015	65.77	15.31	0.29	18.66	23.8	1.13
05/07/2015	121.56	16.92	0.27	12.32	23.81	4.19
06/07/2015	37.40	6.11	0.27	22.60	23.81	6.97
07/07/2015	10.84	6.18	0.27	16.50	23.81	1.49
08/07/2015	21.72	8.24	0.29	10.53	23.82	5.18
09/07/2015	36.07	11.68	0.29	16.68	23.81	4.79
10/07/2015	175.26	6.37	0.3	21.1	23.81	6.82
11/07/2015	9.35	4.14	0.29	14.54	23.8	5.91
12/07/2015	43.99	5.04	0.3	25.69	23.81	1.63
13/07/2015	39.85	11.49	0.31	13.64	23.81	1.53
14/07/2015	40.61	16.59	0.25	14.51	21.56	1.11
15/07/2015	88.65	29.78	0.33	4.57	19.20	1.16
16/07/2015	70.27	26.05	0.27	3.3	18.7	3.13
17/07/2015	26.91	9.48	0.29	4.54	18.7	5.32
18/07/2015	26.42	10.29	0.29	4.31	18.7	6.08
19/07/2015	32.14	13.02	0.3	5.75	18.7	4.7
20/07/2015	39.61	14.16	0.32	3.49	18.7	1.46
21/07/2015	37.75	17	0.33	3.81	18.71	1.27
22/07/2015	41.07	18.25	0.29	4.16	18.72	4.31
23/07/2015	34.27	8.43	0.26	1.5	18.72	4.3
24/07/2015	50.26	14.98	0.31	3.68	18.72	1.22
25/07/2015	53.46	15.51	0.29	4.16	18.73	4.63
26/07/2015	21.84	4.35	0.25	6.59	18.75	4.83
27/07/2015	42.18	8.57	0.47	2.23	18.8	0.94
28/07/2015	125.06	15.2	0.27	4.4	18.75	1.17
29/07/2015	47.77	14.43	0.28	4.38	18.77	4.84
30/07/2015	44.85	13.82	0.31	4.99	18.77	4.79
31/07/2015	33.14	14.77	0.32	2.79	18.78	4.94

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## HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (JULY 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.