

# Ambuja Cement

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

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm <sup>3</sup> )
1	Cement Mill Bag House	7.32
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	13.14
4	Clinker Dump Hopper-2 Bag Filter	12.10
5	Packing Plant -1 Bag Filter	12.44
6	Packing Plant -2 Bag Filter	13.53

## AMBIENT AIR MONITORING RESULTS (AUGUST 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)	56.48	19.42	7.9	11.2
Station No. 2 (Near Scrap Yard)	57.58	17.00	7.9	11.1
Station No. 3 (Near MPSS)	62.27	17.73	7.2	10.8
Station No. 4 (Towards Navagraon)	60.45	17.65	8.1	11.7
Station No. 5 (Towards Pater Phaloo)	59.20	18.46	7.6	11.5
Station No. 6 (Towards Ratyor)	57.42	19.23	7.8	10.8

## TREATED SEWAGE WATER QUALITY (AUGUST 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	40	31	35	60	46
BOD <sub>5day</sub>	Mg/lit.	8	16	11.6	12	22	17.2
COD	Mg/lit.	40	60	48	60	80	72

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## ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (AUGUST 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)
01/08/2015	30.27	10.9	0.32	3.9	18.79	5.05
02/08/2015	44.18	16.63	0.26	2.82	18.77	4.85
03/08/2015	78.06	21.93	0.31	2.65	18.75	1.21
04/08/2015	69.73	24.69	0.29	2.87	18.73	1.23
05/08/2015	40.9	13.18	0.26	3.87	18.75	3.16
06/08/2015	43.14	15.14	0.33	2.48	18.77	3.56
07/08/2015	23.57	7.55	0.31	3.99	18.77	4.31
08/08/2015	29.13	8.85	0.29	5.37	18.77	2.89
09/08/2015	60.34	10.21	0.29	2.98	18.77	4.28
10/08/2015	49.64	13.27	0.32	5.75	18.79	3.27
11/08/2015	48.41	14.34	0.27	4.58	18.76	1.3
12/08/2015	37.95	8.63	0.32	4.05	18.79	3.87
13/08/2015	55.84	15.85	0.26	3.81	18.79	3.64
14/08/2015	45.27	13.72	0.28	4.67	18.77	4.21
15/08/2015	45.16	12.77	0.27	5.69	18.79	3.42
16/08/2015	46.6	13.85	0.3	4.78	18.8	4.25
17/08/2015	62.38	13.71	0.3	2.22	18.8	3.92
18/08/2015	76.96	18.08	0.29	4.34	18.79	1.53
19/08/2015	75.28	18.44	0.26	4.31	18.79	4.18
20/08/2015	81.93	21.6	0.29	3.92	18.8	4.74
21/08/2015	33.35	10.19	0.3	2.43	18.83	5.73
22/08/2015	29.61	10.49	0.28	5.51	18.83	1.66
23/08/2015	49.32	14.17	0.31	4.6	18.83	1.44
24/08/2015	45.91	19.55	0.42	3.98	15.61	1.93
25/08/2015	47.49	28.01	0.65	4.52	16.11	3.13
26/08/2015	72.32	36.35	0.57	2.47	21.16	3.85
27/08/2015	154.53	35.18	0.55	5.74	21.21	1.12
28/08/2015	50.29	18.44	0.54	2.27	21.22	4.07
29/08/2015	68.26	18.9	0.61	4.09	21.2	1.32
30/08/2015	70.75	20.53	0.58	4.61	21.22	3.85
31/08/2015	71.9	28.87	0.53	3.31	21.21	2.75

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