

# Ambuja Cement

## STACK EMISSION MONITORING RESULTS (JANUARY 2016)

(Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm <sup>3</sup> )
1	Cement Mill Bag House	8.32
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	13.34
4	Clinker Dump Hopper-2 Bag Filter	12.78
5	Packing Plant -1 Bag Filter	14.77
6	Packing Plant -2 Bag Filter	16.25

## AMBIENT AIR MONITORING RESULTS (JANUARY 2016)

(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 Old Adm. Office Towards Jajhra)	56.2	17.19	6.8	10.8
Station No. 2 (RWH Near Scrap Yard)	53.9	18.42	5.8	9.1
Station No. 3 (Near MPSS)	52.0	20.38	6.5	10.1
Station No. 4 (Towards Navagraon)	54.1	17.27	7.5	11.1
Station No. 5 (Towards Pater Phaloo)	48.7	16.12	6.4	9.7
Station No. 6 (Towards Ratyor)	45.3	18.12	5.8	10.3

## TREATED SEWAGE WATER QUALITY (JANUARY 2016)

(Average Values)

Parameters	Units	STP1 Inside Plant			STP2 Outside Plant		
		Minimum Value	Maximum Value	Average	Minimum Value	Maximum Value	Average
pH	-	8	9	-	8.0	9.5	-
TSS	Mg/lit.	25	45	36	40	60	48
BOD <sub>5day</sub>	Mg/lit.	8	16	12	12	18	14.8
COD	Mg/lit.	40	80	60	40	80	64

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## ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (JANUARY 2016)

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)
01/01/2016	63.28	27.48	0.38	3.9	18.96	7.96
02/01/2016	59.39	25.57	0.37	3.54	19.49	-0.19
03/01/2016	60.92	27.32	0.39	2.61	17.82	9.46
04/01/2016	61.35	26.5	0.36	3.7	19.25	-1.72
05/01/2016	43.61	22.01	0.34	3.16	14.25	-1.14
06/01/2016	48.41	21.05	0.37	5.05	17.43	-1.83
07/01/2016	57.44	23.58	0.38	2.94	20.22	-1.99
08/01/2016	54.95	24.43	0.38	6.3	17.7	-2.06
09/01/2016	34.07	14.27	0.38	7.75	16.02	-1.77
10/01/2016	41.03	16.75	0.39	4.5	14.35	4.91
11/01/2016	44.3	*	0.4	3.89	15.62	5.96
12/01/2016	56.9	*	0.38		16.04	
13/01/2016	*	*	*	*	*	*
14/01/2016	*	*	*	*	*	*
15/01/2016	58.6	*	0.36	4.89	14.02	8.7
16/01/2016	46.84	*	0.36	5.78	10.73	8.19
17/01/2016	64.08	*	0.37	5.02	13.85	-2.04
18/01/2016	50.13	*	0.36	6.34	15.17	-1.47
19/01/2016	50.97	*	0.39	2.16	12.8	-1.54
20/01/2016	54.75	*	0.38	3.02	11.72	6.15
21/01/2016	60.44	*	0.37	3.35	11.82	6.6
22/01/2016	47.69	*	0.37	3.31	15.02	-1.35
23/01/2016	65.34	*	0.41	4.21	17.97	-0.14
24/01/2016	60.5	*	0.34	3.96	15.78	10.71
25/01/2016	58.47	*	0.4	6.51	19.67	8.93
26/01/2016	77.99	*	0.37	5.57	20.48	2.78
27/01/2016	82.54	*	0.36	4.67	22.09	1.92
28/01/2016	68.58	*	0.35	3.38	19.97	6.41
29/01/2016	46.29	*	0.4	5.69	19.73	6.35
30/01/2016	36.56	*	0.39	6.62	18.05	7.23
31/01/2016	43.93	*	0.37	4.72	19.94	9.7

\* - Analyser Problem

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## HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (JANUARY 2016)

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.