

# Ambuja Cement

## STACK EMISSION MONITORING RESULTS (MARCH 2016)

(Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm <sup>3</sup> )
1	Cement Mill Bag House	8.40
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	12.69
4	Clinker Dump Hopper-2 Bag Filter	11.39
5	Packing Plant -1 Bag Filter	12.29
6	Packing Plant -2 Bag Filter	13.75

## AMBIENT AIR MONITORING RESULTS (MARCH 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 (Labour Hutment towards Jajhra)	58	17.85	7.4	11.4
Station No. 2 (Rain Water Harvesting)	57.2	17.50	7.1	11.0
Station No. 3 (Rooftop of Adm. Block)	61.3	19.19	6.8	10.9
Station No. 4 (Rooftop of Guest House)	54.8	18.62	7.8	11.3
Station No. 5 (Near Nursery towards Pater Phaloo)	59.1	19.42	6.8	11.2
Station No. 6 (STP- Towards Ratyor)	56.4	18.12	7.0	11.6

## TREATED SEWAGE WATER QUALITY (MARCH 2016)

(Average Values)

Parameters	Units	STP1 Inside Plant			STP2 Outside Plant		
		Minimum Value	Maximum Value	Average	Minimum Value	Maximum Value	Average
pH	-	8	8.5	-	8.5	9.5	-
TSS	Mg/lt.	25	40	31	30	55	41
BOD <sub>5day</sub>	Mg/lt.	8	12	10	12	22	16.4
COD	Mg/lt.	40	60	44	40	80	52

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## ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (MARCH 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)
01/03/2016	60.22	13.29	0.5	5.11	22.42	1.12
02/03/2016	58.20	13.20	0.48	6.53	20.9	2.02
03/03/2016	55.94	12.67	0.46	4.18	20.69	2.92
04/03/2016	48.55	10.27	0.48	6.55	19.21	4.04
05/03/2016	51.72	9.07	0.47	6.51	17.1	5.76
06/03/2016	18.76	5.27	0.47	5.21	14.66	1.58
07/03/2016	22.27	6.25	0.5	3.65	17.77	1.3
08/03/2016	39.90	8.45	0.53	3.31	21.25	2.33
09/03/2016	47.85	9.59	0.51	6.44	23.42	4.94
10/03/2016	43.97	9.11	0.48	3.49	20.41	5.48
11/03/2016	44.46	9.63	0.49	3.22	19.48	1.32
12/03/2016	14.15	4.82	0.48	4.3	13.5	7.56
13/03/2016	12.38	4.19	0.54	5.09	14.55	6.11
14/03/2016	23.14	5.58	0.53	5.28	17.45	2.41
15/03/2016	39.62	6.79	0.49	4.14	17.41	1.79
16/03/2016	52.89	7.78	0.49	4.24	20	8.16
17/03/2016	54.98	9.24	0.45	3.78	21.33	7.98
18/03/2016	51.18	11.67	0.36	4.29	18.68	4.92
19/03/2016	*	*	*	*	*	*
20/03/2016	42.34	14.61	0.35	4.36	12.98	0.97
21/03/2016	48.56	15.72	0.41	4.7	14.69	1.67
22/03/2016	*	*	*	*	*	*
23/03/2016	60.50	26.01	0.38	5.6	17.03	0.9
24/03/2016	61.77	21.36	0.39	4.46	15.1	0.8
25/03/2016	51.67	18.27	0.39	4.88	12.68	1.02
26/03/2016	41.21	12.67	0.39	5.93	12.65	4.81
27/03/2016	54.45	18.17	0.4	6.6	13.87	3.46
28/03/2016	58.16	18.08	0.39	5.98	14.79	1.54
29/03/2016	58.67	18.97	0.34	5.27	13.42	4.84
30/03/2016	61.00	19.68	0.41	6.16	15.5	3.73
31/03/2016	62.30	20.38	0.36	5.25	14.58	3.06

\* - Analyser Problem

Ambuja Cements Limited (Unit: Nalagarh)  
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CIN:L26942GJ1981PLC004717

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

Stations	Parameters		
	Nickel (ng/M <sup>3</sup> )	Arsenic (ng/M <sup>3</sup> )	Lead (µg/M <sup>3</sup> )
Station No. 1 (Labour Hutment towards Jajhra)	ND	ND	ND
Station No. 2 (Rain Water Harvesting)	ND	ND	ND
Station No. 3 (Rooftop of Adm. Block)	ND	ND	ND
Station No. 4 (Rooftop of Guest House)	ND	ND	ND
Station No. 5 (Near Nursery towards Pater Phaloo)	ND	ND	ND
Station No. 6 (STP- Towards Ratyor)	ND	ND	ND

ND – Not Detected.