

# Ambuja Cement

## STACK EMISSION MONITORING RESULTS (FEBRUARY 2016)

(Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm <sup>3</sup> )
1	Cement Mill Bag House	7.79
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	13.50
4	Clinker Dump Hopper-2 Bag Filter	14.13
5	Packing Plant -1 Bag Filter	11.87
6	Packing Plant -2 Bag Filter	13.33

## AMBIENT AIR MONITORING RESULTS (FEBRUARY 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)	48.4	18.04	6.2	11.0
Station No. 2 (Rain Water Harvesting)	52.5	17.15	5.1	9.3
Station No. 3 (Rooftop of Adm. Block)	49.9	16.62	5.3	9.4
Station No. 4 (Rooftop of Guest House)	50.1	18.38	6.0	10.1
Station No. 5 (Near Nursery towards Pater Phaloo)	47.0	19.23	5.0	9.5
Station No. 6 (STP- Towards Ratyor)	46.7	16.69	4.9	10.0

## TREATED SEWAGE WATER QUALITY (FEBRUARY 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.	20	35	28	30	60	45
BOD <sub>5day</sub>	Mg/lit.	8	12	9.6	14	20	17.2
COD	Mg/lit.	40	60	48	40	80	56

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## ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (FEBRUARY 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)
01/02/2016	42.24	*	0.39	7.35	17.83	7.41
02/02/2016	49.87	*	0.38	3.44	18.36	0.91
03/02/2016	45.13	*	0.38	4.35	16.76	0.94
04/02/2016	48.41	*	0.38	6.96	16.87	0.93
05/02/2016	69.66	*	0.38	5.89	19.71	5.86
06/02/2016	79.22	*	0.38	5.41	23.62	7.34
07/02/2016	40.59	*	0.38	2.98	16.14	6.89
08/02/2016	30.79	*	0.37	4.78	18.18	0.95
09/02/2016	47.27	*	0.39	5	20.88	2.07
10/02/2016	48.38	*	0.38	4.07	20.26	7.96
11/02/2016	*	*	*	*	*	*
12/02/2016	99.36	*	0.35	4.9	22.45	2.3
13/02/2016	72.33	*	0.39	6.39	23.61	6.69
14/02/2016	51.29	*	0.38	4.77	22.03	7.02
15/02/2016	62.96	*	0.38	5.45	24.62	0.62
16/02/2016	64.88	*	0.34	2.9	24.77	5.83
17/02/2016	*	*	*	*	*	*
18/02/2016	62.53	*	0.39	6.15	20.1	0.18
19/02/2016	42.51	*	0.39	4.43	17.83	4.09
20/02/2016	20.97	*	0.4	4.01	13.43	4.22
21/02/2016	27.15	*	0.41	4.25	13.55	1.6
22/02/2016	34.7	*	0.37	4.8	13.55	6.18
23/02/2016	55.02	*	0.39	5.63	18.5	0.23
24/02/2016	69.16	*	0.4	5.45	20.12	5.68
25/02/2016	64.28	*	0.35	5.63	19.64	3.48
26/02/2016	58.2	*	0.37	5.32	21.84	2.78
27/02/2016	75.46	*	0.44	5.18	29.28	1.34
28/02/2016	79.35	17.65	0.51	4.18	28.15	4.41
29/02/2016	86.09	18.39	0.45	4.2	28.97	2.59

\* - Analyser Problem

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