

# Ambuja Cement

## STACK EMISSION MONITORING RESULTS (APRIL 2017) (Monthly 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 (APRIL 2017) (Monthly Average Values)

Stations	Respirable Suspended Particulate Matter (µg/M <sup>3</sup> )		Gaseous Pollutants (µg/M <sup>3</sup> )	
	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>
Station No. 1 (Labour Hutment towards Jajhra)	65.1	18.54	6.4	9.6
Station No. 2 (Rain Water Harvesting)	66.3	19.4	6.3	9.8
Station No. 3 (Rooftop of Adm. Block)	63.0	19.88	7.3	11.5
Station No. 4 (Rooftop of Guest House)	63.1	19.04	7.0	11.3
Station No. 5 (Near Nursery towards Pater Phaloo)	60.3	18.92	6.3	9.3
Station No. 6 (STP- Towards Ratyor)	62.0	18.77	6.5	11.8

## TREATED SEWAGE WATER QUALITY (APRIL 2017) (Monthly Average Values)

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

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### ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (APRIL 2017)

Date	CAAQMS Data					Stack Emission Data
	PM 10 (ug/m3)	PM 2.5 (ug/m3)	CO (ug/m3)	SO2 (ug/m3)	Nox (ug/m3)	PM Concentration (mg/M3)
01/04/2017	72.26	33.91	0.25	7.07	19.76	1.42
02/04/2017	73.7	32.44	0.15	7.02	19.19	-0.49
03/04/2017	62.34	29.51	0.16	8.38	17.65	2.88
04/04/2017	70.87	28.73	0.31	9.7	17.03	-0.38
05/04/2017	54.77	21	0.35	11.98	15.81	4.09
06/04/2017	117.04	39.34	0.32	14.81	14.08	0.83
07/04/2017	144.23	55.35	0.35	10.62	16.93	0.01
08/04/2017	79.41	28.67	0.1	7.11	16.87	4.11
09/04/2017	30.31	14.02	0.21	8.47	15.1	5.71
10/04/2017	34.11	14.04	0.28	8.4	16.53	1.05
11/04/2017	40.29	16.75	0.26	7.2	16.83	0.45
12/04/2017	55.36	21.39	0.26	6.73	17.87	1.98
13/04/2017	50.62	20.92	0.7	17.73	17.31	0.49
14/04/2017	75.09	35.16	0.58	0	21.33	3.52
15/04/2017	71.02	35.8	0.2	0.88	19.86	1.85
16/04/2017	74.13	36.19	0.17	4.32	20.51	2.92
17/04/2017	83.28	38.84	0.06	9.68	21.36	3.29
18/04/2017	102.19	48.81	0.23	8.27	21.38	3
19/04/2017	87.84	43.08	0.07	8.63	21.31	1.72
20/04/2017	78.01	35.88	0.08	25.12	22.25	2.65
21/04/2017	64.54	29.44	0.07	20.5	19.79	1.67
22/04/2017	48.12	15.57	0.02	25.49	16.31	4.66
23/04/2017	23.6	16.28	0.24	36.71	14.7	3.82
24/04/2017	29.34	11.48	0.28	31.61	17.29	2.75
25/04/2017	43.59	17.62	0.19	35.98	18.71	2.37
26/04/2017	44.23	19.19	0.24	29.07	19.16	3.38
27/04/2017	39.6	22.88	0.12	31.59	17.2	3.26
28/04/2017	59.31	19.54	0.19	35.27	18.79	2.28
29/04/2017	88.43	26.37	0.26	34.95	17.93	3.02
30/04/2017	36.48	12.83	0.3	35.61	15.45	3.22

Ambuja Cements Limited (Unit: Nalagarh)

Village Navagraon, P.O. Jajhra, Tehsil Nalagarh, Distt. Solan - 174 101 (H.P.)

Regd. Off.: P.O. Ambuja Nagar, Taluka - Kodinar, Distt. Gir Somnath, Gujarat - 362 715

CIN:L26942GJ1981PLC004717

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### HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (APRIL 2017)

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.