

Ambuja Cement

STACK EMISSION MONITORING RESULTS (NOVEMBER 2016) (Monthly Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	8.90
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	12.79
4	Clinker Dump Hopper-2 Bag Filter	15.03
5	Packing Plant -1 Bag Filter	14.96
6	Packing Plant -2 Bag Filter	15.54

AMBIENT AIR MONITORING RESULTS (NOVEMBER 2016) (Monthly Average Values)

Stations	Respirable Suspended Particulate Matter (µg/M ³)		Gaseous Emission (µg/M ³)	
	PM10	PM2.5	SO ₂	NO _x
Station No. 1 (Labour Hutment towards Jajhra)	59.2	18.18	6.6	9.4
Station No. 2 (Rain Water Harvesting)	58.0	15.42	7.0	9.8
Station No. 3 (Rooftop of Adm. Block)	55.6	16.35	6.5	10.3
Station No. 4 (Rooftop of Guest House)	57.6	14.88	6.8	10.1
Station No. 5 (Near Nursery towards Pater Phaloo)	53.2	17.23	6.3	8.8
Station No. 6 (STP- Towards Ratyor)	56.1	15.96	6.6	10

TREATED SEWAGE WATER QUALITY (NOVEMBER 2016) (Monthly Average Values)

Parameters	Units	STP1 Inside Plant			STP2 Outside Plant		
		Minimum Value	Maximum Value	Average	Minimum Value	Maximum Value	Average
pH	-	7.5	8.5	-	7.5	8.5	-
TSS	Mg/lit.	25	40	34	40	75	55
BOD _{5day}	Mg/lit.	10	18	14	12	22	16
COD	Mg/lit.	40	60	52	40	100	68

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

Date	CAAQMS Data					Stack Emission Data
	PM 10 (ug/m3)	PM 2.5 (ug/m3)	CO (ug/m3)	SO ₂ (ug/m3)	Nox (ug/m3)	PM Concentration (mg/M3)
01/11/2016	66.68	*	0.44	2.47	11.95	5.59
02/11/2016	71.73	5.89	0.45	2.62	11.72	2.49
03/11/2016	70.97	6.35	0.35	2.63	10.23	1.7
04/11/2016	71.19	6.37	0.38	2.63	8.13	4.29
05/11/2016	77.78	6.43	0.51	2.84	7.84	1.7
06/11/2016	87.11	6.36	0.37	2.31	7.85	4.75
07/11/2016	70.23	6.34	0.22	2.5	7.52	6.04
08/11/2016	76.73	6.17	0.55	2.8	7.26	3.25
09/11/2016	73.66	6.35	0.42	2.58	7.44	5.64
10/11/2016	66.72	6.68	0.11	2.7	8.27	5.09
11/11/2016	76.39	6.25	0.44	2.73	6.69	2.6
12/11/2016	58.95	6.42	0.41	2.88	7.89	4.77
13/11/2016	59.88	7.01	0.5	2.59	9.53	5.76
14/11/2016	65.47	6.46	0.4	2.1	6.65	2.67
15/11/2016	63.83	6.42	0.46	3.3	7.34	6.27
16/11/2016	61.37	6.51	0.29	2.65	7.89	3.13
17/11/2016	62.01	6.41	0.57	2.4	8.54	6.33
18/11/2016	71.45	6.53	0.61	2.31	6.45	2.42
19/11/2016	83.82	6.91	0.6	2.83	6.49	3.09
20/11/2016	90.97	6.53	0.39	2.7	6.07	3.78
21/11/2016	84.12	6.5	0.2	2.48	4.97	5.15
22/11/2016	65.81	6.01	0.63	2.55	6.98	5.22
23/11/2016	60.51	6.57	0.4	2.25	7.2	2.22
24/11/2016	51.11	6.2	0.33	2.15	9.63	5.97
25/11/2016	49.51	6.41	0.5	2.13	9.42	2.85
26/11/2016	51.95	6.43	0.52	2.89	8.69	5.2
27/11/2016	53.31	6.48	0.44	3.03	8.49	5.94
28/11/2016	60.2	6.42	0.46	2.93	8.95	2.89
29/11/2016	79.71	6.57	0.62	2.63	5.38	3.91
30/11/2016	73.58	6.7	0.44	2.87	6.98	5.66

* - Problem in Analyser.

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (NOVEMBER 2016)

Stations	Parameters		
	Nickel (ng/M ³)	Arsenic (ng/M ³)	Lead (µg/M ³)
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.