

Ambuja Cement

STACK EMISSION MONITORING RESULTS (MAY 2016) (Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	7.95
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	12.29
4	Clinker Dump Hopper-2 Bag Filter	11.96
5	Packing Plant -1 Bag Filter	12.77
6	Packing Plant -2 Bag Filter	12.69

AMBIENT AIR MONITORING RESULTS (MAY 2016) (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)	54.9	16.23	7.4	12.0
Station No. 2 (Rain Water Harvesting)	59.0	17.42	6.9	10.1
Station No. 3 (Rooftop of Adm. Block)	56.0	19.00	6.8	11.1
Station No. 4 (Rooftop of Guest House)	52.8	17.25	6.8	11.9
Station No. 5 (Near Nursery towards Pater Phaloo)	57.3	16.54	7.5	11.8
Station No. 6 (STP- Towards Ratyor)	53.5	16.69	6.8	10.5

TREATED SEWAGE WATER QUALITY (MAY 2016) (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	-	8.0	9.0	-
TSS	Mg/l.	20	45	34	35	55	44
BOD _{5day}	Mg/l.	8	14	10.4	8	18	12.8
COD	Mg/l.	40	60	52	40	80	64

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 - (MAY 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)
01/05/2016	57.91	24.58	0.39	1.45	18.89	2.83
02/05/2016	30.68	21.91	0.36	2.03	16.29	0.44
03/05/2016	57.99	31.88	0.31	2.27	18.33	0.66
04/05/2016	27.7	16.3	0.35	2.69	12.95	1.06
05/05/2016	21.67	11.33	0.4	2.35	15.26	2.14
06/05/2016	22.52	13.2	0.4	1.65	16.5	3.84
07/05/2016	29.24	19.29	0.42	1.63	17.76	0.85
08/05/2016	37.36	22.86	0.35	1.63	17.94	1.73
09/05/2016	32.86	25.57	0.41	3.15	13.97	0.86
10/05/2016	37.35	26.58	0.34	5.35	12.12	1.44
11/05/2016	31.42	10.32	0.43	*	13.13	3.01
12/05/2016	56.57	15.56	0.37	*	13.53	3.02
13/05/2016	112.85	24.88	0.38	*	14.39	0.77
14/05/2016	91.38	19.33	0.41	*	14.44	2.13
15/05/2016	99.61	18.62	0.3	*	19.69	0.63
16/05/2016	73.01	19.64	0.47	*	11.68	1.05
17/05/2016	67.24	20.63	0.41	*	13.42	0.54
18/05/2016	65.45	19.08	0.37	*	14.76	0.32
19/05/2016	71.21	18.13	0.37	*	17.75	0.6
20/05/2016	60.67	15.97	0.37	*	11.2	0.58
21/05/2016	50.95	13.36	0.39	*	16.75	1.04
22/05/2016	66.93	17.18	0.39	*	12.73	2.46
23/05/2016	34.91	10.67	0.35	*	9.04	-2.94*
24/05/2016	33.14	*	0.39	*	10.99	-13.61*
25/05/2016	47.57	*	0.35	*	13.39	-12.84*
26/05/2016	55.63	*	0.38	*	15.16	-12.86*
27/05/2016	52.74	16.77	0.41	9.87	17.72	-6.01*
28/05/2016	84.45	27.51	0.47	7.85	19.62	1.54
29/05/2016	*	*	*	*	*	*
30/05/2016	44.75	17.39	0.52	7.63	18.94	1.93
31/05/2016	59.39	23.86	0.48	8.16	19.37	0.82

* - Analyser Problem

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (MAY 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.