

Ambuja Cement

STACK EMISSION MONITORING RESULTS (APRIL 2016)

(Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	7.55
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	13.70
4	Clinker Dump Hopper-2 Bag Filter	11.92
5	Packing Plant -1 Bag Filter	15.38
6	Packing Plant -2 Bag Filter	15.82

AMBIENT AIR MONITORING RESULTS (APRIL 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)	64.1	17.15	6.8	10
Station No. 2 (Rain Water Harvesting)	66.4	15.81	7.4	11.9
Station No. 3 (Rooftop of Adm. Block)	60.2	16.77	7.3	11.9
Station No. 4 (Rooftop of Guest House)	57.6	17.27	7.5	12.1
Station No. 5 (Near Nursery towards Pater Phaloo)	63.9	15.31	7.4	10.4
Station No. 6 (STP- Towards Ratyor)	62.0	15.96	7.1	10.3

TREATED SEWAGE WATER QUALITY (APRIL 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	-	8.0	9.0	-
TSS	Mg/lit.	20	40	29	30	45	38
BOD _{5day}	Mg/lit.	8	16	12	10	18	13.6
COD	Mg/lit.	40	60	52	40	80	56

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 - (APRIL 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)
01/04/2016	63.71	20.1	0.4	4.99	14.66	0.53
02/04/2016	76.33	23.11	0.38	9.61	15.03	0.13
03/04/2016	4.47*	22.6	0.43	7.81	15.86	1.8
04/04/2016	*	30.1	0.39	5.5	15.07	2.5
05/04/2016	*	15.74	0.36	6.59	14.09	0.41
06/04/2016	31.52	23.93	0.4	5.91	14.79	0.48
07/04/2016	30.38	11.19	0.38	6.47	9.74	1.2
08/04/2016	45.35	16	0.39	8.25	15.51	2.09
09/04/2016	56.5	20.3	0.34	3.58	15.01	1.95
10/04/2016	66.24	24.72	0.36	1.6	16.14	0.6
11/04/2016	55.92	19.64	0.39	7.12	12.6	3.17
12/04/2016	52.56	18.34	0.39	4.69	14.87	0.64
13/04/2016	50.48	20.02	0.36	2.25	15.36	0.56
14/04/2016	57.67	21.17	0.35	8.92	14.83	1.02
15/04/2016	62	23.36	0.39	7.14	15.85	0.63
16/04/2016	64.77	23.62	0.38	7.2	14.76	-0.18
17/04/2016	97.94	35.23	0.36	8.04	18.49	-0.37
18/04/2016	74.58	24.67	0.42	8.61	14.09	0.18
19/04/2016	82.79	26.51	0.41	9.33	15.87	-0.3
20/04/2016	75.68	22.28	0.34	7.78	13.37	0.39
21/04/2016	52.57	17.36	0.43	5.65	16.85	1.28
22/04/2016	60.22	16.67	0.41	4.42	11.2	-0.16
23/04/2016	35.5	12.73	0.36	4.4	13.79	0.15
24/04/2016	43.95	15.75	0.44	4.09	16.13	2.95
25/04/2016	49.88	20.45	0.37	4.07	20.04	0.07
26/04/2016	53.08	24.58	0.31	3.73	19.19	-0.13
27/04/2016	61.09	26.65	0.4	3.62	19.5	3.07
28/04/2016	61.35	21.23	0.4	4.84	21.04	2.08
29/04/2016	56.81	22.93	0.35	0.81	19.06	0.94
30/04/2016	54.51	21.52	0.41	0.71	19.48	3.74

* - Analyser Problem

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (APRIL 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.