

Ambuja Cement

STACK EMISSION MONITORING RESULTS (MAY 2015)

(Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	9.87
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	13.94
4	Clinker Dump Hopper-2 Bag Filter	14.27
5	Packing Plant -1 Bag Filter	13.75
6	Packing Plant -2 Bag Filter	11.68

AMBIENT AIR MONITORING RESULTS (MAY 2015)

(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 (Near Adm. Office)	66.8	21.78	7.8	11.8
Station No. 2 (Near Scrap Yard)	68.8	20.87	8.0	11.4
Station No. 3 (Near MPSS)	69.2	19.73	7.8	10.7
Station No. 4 (Towards Navagraon)	71.4	18.73	7.3	9.8
Station No. 5 (Towards Pater Phaloo)	67.6	20.02	7.9	11.6
Station No. 6 (Towards Ratyor)	70	19.69	7.8	11.0

TREATED SEWAGE WATER QUALITY (MAY 2015)

(Average Values)

Parameters	Units	STP1 Inside Plant			STP2 Outside Plant		
		Minimum Value	Maximum Value	Average	Minimum Value	Maximum Value	Average
Ph	-	8	8.8	-	8.0	8.5	-
TSS	Mg/lt.	25	40	34	30	45	40
BOD _{5day}	Mg/lt.	8	16	12.4	12	20	16
COD	Mg/lt.	40	60	52	40	60	52

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ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (MAY 2015)

Date	CAAQMS Data					VRM 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)
01/05/2015	23.27	8.49	0.39	1.27	23.67	5.55
02/05/2015	42.24	12.62	0.42	2.06	23.73	5.71
03/05/2015	42.98	12.33	0.42	2.7	23.69	5.04
04/05/2015	40.5	11.56	0.43	1.83	23.7	2.40
05/05/2015	49.62	16.64	0.46	2.29	23.71	1.26
06/05/2015	58.79	22.23	0.48	2.63	23.73	1.04
07/05/2015	60.29	53.96	0.51	2.88	23.72	0.90
08/05/2015	84.09	14.68	0.51	3.04	23.69	1.87
09/05/2015	68.9	22.18	0.5	2.86	23.68	3.13
10/05/2015	55.89	28.85	0.52	2.69	23.72	1.90
11/05/2015	54.49	23.69	0.49	3.22	23.71	2.61
12/05/2015	65.36	22.25	0.52	2.57	23.71	3.22
13/05/2015	56.03	19.22	0.51	2.41	23.71	3.43
14/05/2015	28.85	7.93	0.43	2.3	23.73	2.73
15/05/2015	27.62	6.17	0.42	2.11	23.7	1.62
16/05/2015	36.55	18.07	0.44	3.62	23.73	2.23
17/05/2015	44.09	13.11	0.43	18.52	23.63	3.10
18/05/2015	48.65	15.37	0.56	1.12	23.44	2.48
19/05/2015	57.94	14.42	0.43	3.19	23.73	2.96
20/05/2015	54.08	13.65	0.46	3.97	23.73	2.86
21/05/2015	47.06	12.45	0.45	3.39	23.74	0.89
22/05/2015	44	12.51	0.46	2.3	23.74	1.00
23/05/2015	56.61	14.25	0.49	5.9	23.75	4.7
24/05/2015	*	*	*	*	*	*
25/05/2015	60.79	10.93	0.44	7.04	23.73	1.94
26/05/2015	50.9	10.61	0.42	7.46	23.7	3.34
27/05/2015	48.19	11.09	0.43	5.69	23.77	3.95
28/05/2015	55.8	14.09	0.49	7.42	23.75	3.57
29/05/2015	66.77	15.74	0.51	4.16	23.73	4.09
30/05/2015	59.66	15.21	0.49	2.92	23.75	3.37
31/05/2015	72.72	14.51	0.45	7.34	23.74	4.15

* - Analyser under maintenance.

Ambuja Cements Limited (Unit: Nalagarh)
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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (MAY 2015)

Stations	Parameters		
	Nickel (ng/M ³)	Arsenic (ng/M ³)	Lead (µg/M ³)
Station No. 1 (Near Adm. Office)	ND	ND	ND
Station No. 2 (Near Scrap Yard)	ND	ND	ND
Station No. 3 (Near MPSS)	ND	ND	ND
Station No. 4 (Towards Navagraon)	ND	ND	ND
Station No. 5 (Towards Pater Phaloo)	ND	ND	ND
Station No. 6 (Towards Ratyor)	ND	ND	ND

ND – Not Detected.