

Ambuja Cement

STACK EMISSION MONITORING RESULTS(OCTOBER 2015)

(Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	12.07
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	14.13
4	Clinker Dump Hopper-2 Bag Filter	14.30
5	Packing Plant -1 Bag Filter	13.24
6	Packing Plant -2 Bag Filter	15.14

AMBIENT AIR MONITORING RESULTS (OCTOBER 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)	65.3	22.80	7.0	12.6
Station No. 2 (Near Scrap Yard)	65.9	19.84	6.9	11.1
Station No. 3 (Near MPSS)	57.6	18.04	7.8	11.5
Station No. 4 (Towards Navagraon)	60.6	18.38	8.1	11.3
Station No. 5 (Towards Pater Phaloo)	59.1	19.42	7.5	11.2
Station No. 6 (Towards Ratyor)	60.7	21.54	7.6	11.0

TREATEDSEWAGE WATER QUALITY (OCTOBER 2015)

(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	8.5	-
TSS	Mg/lit.	25	55	38	40	60	50
BOD _{5day}	Mg/lit.	12	24	18	14	24	19.6
COD	Mg/lit.	40	80	64	40	80	64

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

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)
01/10/2015	59.0	16.78	*	6.42	19.35	1.74
02/10/2015	60.12	13.65	*	3.97	18.33	2.17
03/10/2015	87.0	16.9	*	5.9	15.35	5.57
04/10/2015	87.25	16.08	*	5.31	16.86	6.18
05/10/2015	100.97	22.86	*	5.31	18.32	5.88
06/10/2015	85.41	19.98	*	4.41	16.16	1.87
07/10/2015	88.7	22.2	*	4.09	15.43	1.84
08/10/2015	82.7	20.13	*	4.58	16.32	5.2
09/10/2015	85.9	20.52	*	5.46	16.26	6.5
10/10/2015	101.7	26.2	*	5.17	19.02	6.03
11/10/2015	102	27.21	*	5.68	15.75	1.82
12/10/2015	87.9	29.44	*	3.58	15.77	5.84
13/10/2015	73.07	36.19	*	3.05	13.9	1.66
14/10/2015	50.24	16.04	*	3.51	15.32	2.12
15/10/2015	33.23	7.88	*	5.12	18.31	6.69
16/10/2015	59.66	13.36	*	3.59	17.84	6.41
17/10/2015	53.36	12.68	*	2.39	14.73	6.01
18/10/2015	58.87	12.89	*	1.52	16.58	6.93
19/10/2015	48.65	12.10	*	5.46	12.5	3.89
20/10/2015	39.1	8.97	*	4.03	12.1	1.9
21/10/2015	50.45	11.97	*	3.53	16.89	2.46
22/10/2015	44.17	10.42	*	3.72	12.75	7.29
23/10/2015	41.98	10.43	*	3.88	14.96	7.39
24/10/2015	41.99	13.21	*	5.83	16.76	2.33
25/10/2015	42.69	11.82	*	5.17	19.04	2.36
26/10/2015	18.95	5.07	*	3.85	16.75	8.77
27/10/2015	25.22	5.95	*	2.35	24.09	7.7
28/10/2015	27.51	7.75	*	5.88	20	2.58
29/10/2015	19.64	7.47	*	4.38	17.39	8.84
30/10/2015	34.08	23.2	*	2.36	19.84	3.96
31/10/2015	23.68	13.57	*	3.44	17.66	6.85

* Analyzer Problem

Ambuja Cements Limited (Unit: Nalagarh)
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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (OCTOBER 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.