

Ambuja Cement

STACK EMISSION MONITORING RESULTS (SEPTEMBER 2015) (Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	12.66
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	12.01
4	Clinker Dump Hopper-2 Bag Filter	13.44
5	Packing Plant -1 Bag Filter	12.71
6	Packing Plant -2 Bag Filter	13.76

AMBIENT AIR MONITORING RESULTS (SEPTEMBER 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)	68.7	20.77	7.4	11.4
Station No. 2 (Near Scrap Yard)	66.3	18.12	7.6	11.4
Station No. 3 (Near MPSS)	65.9	19.46	7.8	12.8
Station No. 4 (Towards Navagraon)	62.6	19.54	7.4	10.7
Station No. 5 (Towards Pater Phaloo)	68.8	21.35	7.5	11.2
Station No. 6 (Towards Ratyor)	67	19.10	7.2	9.5

TREATED SEWAGE WATER QUALITY (SEPTEMBER 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	50	36	40	60	50
BOD _{5day}	Mg/lit.	12	20	16.4	16	24	20.4
COD	Mg/lit.	40	80	60	60	80	76

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ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (SEPTEMBER 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)
01/09/2015	86.14	20.71	0.57	6.48	21.18	3.13
02/09/2015	106.81	20.91	0.58	3.71	21.17	1.37
03/09/2015	101.25	23.71	0.51	4.21	21.15	2.99
04/09/2015	74.71	23.67	0.58	4.21	21.13	4.11
05/09/2015	76.54	24.61	0.59	2.49	21.21	5.02
06/09/2015	61.27	21.64	0.59	2.08	21.28	3.59
07/09/2015	67.63	21.49	0.55	4.15	21.31	4.52
08/09/2015	66.99	20.06	0.53	3.73	21.31	3.62
09/09/2015	61.6	21.65	0.62	3.66	21.3	4.94
10/09/2015	66.66	18.83	0.59	2.19	21.29	4.82
11/09/2015	65.21	23.59	0.6	2.28	21.28	1.26
12/09/2015	90.11	30.04	0.63	4.11	21.28	4.59
13/09/2015	86.95	33.78	0.69	2.73	21.32	5.23
14/09/2015	107.1	40.42	0.67	4.23	21.32	3.08
15/09/2015	78.69	37	0.75	4.05	21.33	1.21
16/09/2015	53.75	28.18	0.64	5.74	21.33	5.25
17/09/2015	36.72	10.85	0.62	5.87	5.47	5.4
18/09/2015	40.38	13.85	0.84	4.9	-	1.36
19/09/2015	39.68	20.16	0.64	4.48	8.54	3.88
20/09/2015	20.96	7.03	0.55	2.78	13.85	1.55
21/09/2015	26.45	11.63	-	3.11	13.06	-
22/09/2015	22.15	9.91	-	4.88	11.44	-
23/09/2015	11.87	3.26	-	5.27	10.61	-
24/09/2015	34.33	9.71	-	5.9	-	-
25/09/2015	36.94	13.35	-	5.16	14	-
26/09/2015	63.19	21.91	-	2.24	16.07	1.72
27/09/2015	55.85	18.18	-	5.05	12.23	6.4
28/09/2015	55.74	15.63	-	4.57	20.45	6.44
29/09/2015	48.83	12.03	-	2.82	16.62	5.8
30/09/2015	50.74	15.68	-	5.41	17.44	6.93

- Analyzer Problem

Ambuja Cements Limited (Unit: Nalagarh)
Village Navagraon, P.O. Jajhra, Tehsil Nalagarh, Distt. Solan (H.P.) 174 101
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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (SEPTEMBER 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.