

Ambuja Cement

STACK EMISSION MONITORING RESULTS (DECEMBER 2015)

(Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	15.94
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	14.91
4	Clinker Dump Hopper-2 Bag Filter	13.13
5	Packing Plant -1 Bag Filter	14.71
6	Packing Plant -2 Bag Filter	13.96

AMBIENT AIR MONITORING RESULTS (DECEMBER 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 Towards Jajhra)	65.9	20.04	7.1	11.3
Station No. 2 (RWH Near Scrap Yard)	64.6	18.92	7.6	11.6
Station No. 3 (Near MPSS)	68.1	19.31	8.1	12.1
Station No. 4 (Towards Navagraon)	69.6	17.12	7.4	12.6
Station No. 5 (Towards Pater Phaloo)	64.9	16.96	6.3	9.3
Station No. 6 (Towards Ratyor)	62.0	18.23	7.3	10.5

TREATED SEWAGE WATER QUALITY (DECEMBER 2015)

(Average Values)

Parameters	Units	STP1 Inside Plant			STP2 Outside Plant		
		Minimum Value	Maximum Value	Average	Minimum Value	Maximum Value	Average
pH	-	7.5	9	-	8.0	9.0	-
TSS	Mg/lit.	35	55	45	35	65	50
BOD _{5day}	Mg/lit.	10	18	13.2	12	22	17.2
COD	Mg/lit.	40	80	52	40	80	72

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ONLINE AMBIENT AIR QUALITY & STACK EMISSION MONITORING RESULTS - (DECEMBER 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)
01/12/2015	74.73	32.89	0.4	4.45	18.59	3.07
02/12/2015	64.48	27.64	0.34	4.46	18.81	2.85
03/12/2015	64.42	26.62	0.39	5.49	18.54	2.89
04/12/2015	67.78	28.5	0.42	4.4	17.68	3.46
05/12/2015	71.18	28.86	0.37	2.5	21.98	13.64
06/12/2015	77.24	34.62	0.36	3.42	18.99	13.25
07/12/2015	79.76	35.98	0.36	3.42	19.76	11.86
08/12/2015	72.25	33.97	0.36	2.53	16.23	12.37
09/12/2015	70.2	32.02	0.34	4.5	18.49	3.24
10/12/2015	66.37	23.39	0.4	3.95	20.87	13.54
11/12/2015	39.58	19.17	0.41	2.11	18.49	13.07
12/12/2015	33.75	15.35	0.38	2.29	16.85	3.33
13/12/2015	43.73	18.74	0.39	4.78	17.83	13.8
14/12/2015	45.97	20.33	0.38	3.52	16.72	14.98
15/12/2015	46.29	20.76	0.38	5.69	14.39	3.11
16/12/2015	50.13	22.1	0.36	4.92	16.03	3.31
17/12/2015	59.21	27.7	0.39	2.82	17.61	14.43
18/12/2015	40.73	17.11	0.39	3.69	13.84	15.8
19/12/2015	48.97	20.68	0.4	3.26	14.49	13.4
20/12/2015	62.16	25.93	0.41	4.19	18.93	11.34
21/12/2015	58.78	24.23	0.39	3.4	17.21	10.22
22/12/2015	65.9	26.73	0.39	3.79	21.26	0.31
23/12/2015	69.73	29.98	0.39	3.97	19.08	11.42
24/12/2015	53.82	20.65	0.38	3.52	17.83	13.46
25/12/2015	59.06	22.03	0.37	4.71	21.1	12.83
26/12/2015	54.97	21.1	0.34	3.19	19.02	13.02
27/12/2015	63.93	25.46	0.38	4.11	20.94	10.82
28/12/2015	60.76	22.78	0.36	3.25	20.97	8.81
29/12/2015	53.15	20.75	0.4	3.02	20.43	11.07
30/12/2015	55.98	22.97	0.4	4.97	20.08	10.48
31/12/2015	60.43	23.94	0.38	4.42	22.77	11.34

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (DECEMBER 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	0.1
Station No. 3 (Near MPSS)	ND	ND	ND
Station No. 4 (Towards Navagraon)	ND	ND	0.1
Station No. 5 (Towards Pater Phaloo)	ND	ND	ND
Station No. 6 (Towards Ratyor)	ND	ND	ND

ND – Not Detected.