

Ambuja Cement

STACK EMISSION MONITORING RESULTS (DECEMBER 2014) (Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	9.51
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	12.15
4	Clinker Dump Hopper-2 Bag Filter	12.90
5	Packing Plant -1 Bag Filter	13.38
6	Packing Plant -2 Bag Filter	13.43

AMBIENT AIR MONITORING RESULTS (DECEMBER 2014) (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)	70.3	23.45	8.6	12.5
Station No. 2 (Near Scrap Yard)	69.5	22.93	8.3	12
Station No. 3 (Near MPSS)	71.1	28.31	9.0	12.3
Station No. 4 (Towards Navagraon)	68.0	23.77	7.8	13.1
Station No. 5 (Towards Pater Phaloo)	70.8	23.44	8.8	12.3
Station No. 6 (Towards Ratyor)	66.4	22.26	8.3	11.6

TREATED SEWAGE WATER QUALITY (DECEMBER 2014) (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/lt.	20	30	27	25	50	41
BOD _{5day}	Mg/lt.	10	16	13.6	12	24	18
COD	Mg/lt.	40	80	56	40	80	60

RESULTS OF ONLINE EMISSION MONITOR ATTACHED TO CEMENT MILL STACK (DECEMBER 2014)

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M ³)	2	30	13

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ONLINE AMBIENT AIR QUALITY MONITORING RESULTS (DECEMBER 2014)

Date	PM 10 ug/m3	PM 2.5 ug/m3	CO mg/m3	SO ₂ ug/m3	NO _x ug/m3
01/12/2014	-	-	0.98	2.1	13.85
02/12/2014	-	-	1.33	3.59	13.83
03/12/2014	-	-	1.21	-	13.88
04/12/2014	-	-	1.12	-	13.87
05/12/2014	-	-	1.2	-	13.91
06/12/2014	-	-	1.18	-	13.88
07/12/2014	-	-	1.03	-	13.9
08/12/2014	-	-	1.33	-	13.88
09/12/2014	-	-	1.37	5.08	13.83
10/12/2014	99.59	-	1.14	3.49	13.81
11/12/2014	78.33	-	1.35	4.76	13.79
12/12/2014	71.15	-	1.31	18.32	13.8
13/12/2014	65.07	-	1.37	3.59	13.82
14/12/2014	45.71	-	0.94	2.47	13.82
15/12/2014	54.35	-	1.04	4.06	13.79
16/12/2014	74.18	-	1.23	2.75	13.81
17/12/2014	61.89	-	1.58	3.55	13.85
18/12/2014	63.24	-	1.7	4.93	13.89
19/12/2014	57.32	-	1.57	5.31	13.87
20/12/2014	74.7	-	1.6	4.73	13.88
21/12/2014	45.82	-	1.54	5.97	13.86
22/12/2014	45.3	-	1.6	9.48	13.89
23/12/2014	46.19	-	1.42	7.17	13.88
24/12/2014	66.65	-	1.42	8.76	13.88
25/12/2014	56.54	-	1.52	6.21	13.87
26/12/2014	63.07	-	1.34	5.82	13.89
27/12/2014	81.21	-	1.43	7.72	13.9
28/12/2014	57.93	-	1.21	9.14	13.92
29/12/2014	76.48	2.88	1.19	7.89	13.93
30/12/2014	88.21	6	1.09	9.72	15.03
31/12/2014	44.28	9.83	0.74	6	17.88

* - Problem in analyser

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (DECEMBER 2014)

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.