

Ambuja Cement

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

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	15.09
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	14.39
4	Clinker Dump Hopper-2 Bag Filter	12.52
5	Packing Plant -1 Bag Filter	13.22
6	Packing Plant -2 Bag Filter	15.56

AMBIENT AIR MONITORING RESULTS (OCTOBER 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)	74.3	21.58	9.3	13.3
Station No. 2 (Near Scrap Yard)	68.8	22.28	7.7	11.8
Station No. 3 (Near MPSS)	66.3	20.65	8.3	12.1
Station No. 4 (Towards Navagraon)	71.5	22.65	7.8	12.4
Station No. 5 (Towards Pater Phaloo)	66.9	21.62	9	13.4
Station No. 6 (Towards Ratyor)	69.1	20.92	8.3	12.1

TREATED SEWAGE WATER QUALITY (OCTOBER 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.	25	40	33	30	50	38
BOD _{5day}	Mg/lt.	12	20	16	14	22	18.4
COD	Mg/lt.	40	80	60	60	80	72

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

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M ³)	1	35	14

Ambuja Cement

ONLINE AMBIENT AIR QUALITY MONITORING RESULTS (OCTOBER 2014)

Date	PM 10	PM 2.5	CO	SO ₂	NO _x
	ug/m ³	ug/m ³	mg/m ³	ug/m ³	ug/m ³
01/10/2014	*	12.44	0.66	2.39	13.92
02/10/2014	*	12.85	0.68	2.76	13.92
03/10/2014	*	19.23	0.71	2.63	13.92
04/10/2014	*	20.48	0.81	2.47	13.93
05/10/2014	*	17.05	0.77	2.23	13.89
06/10/2014	*				
07/10/2014	*	11.11	0.85	2.26	13.93
08/10/2014	*	10.06	0.56	2.52	13.93
09/10/2014	*				
10/10/2014	*	8.41	0.59	2.47	13.9
11/10/2014	*	9.61	0.58	2.4	13.92
12/10/2014	*	9.46	0.5	2.11	13.91
13/10/2014	*	10.07	0.57	2.65	13.9
14/10/2014	*	10.14	0.57	2.58	13.91
15/10/2014	*	12.43	0.59	2.91	13.9
16/10/2014	8.34*	11.24	0.56	2.42	13.89
17/10/2014	8.44*	13.36	0.62	2.5	13.91
18/10/2014	8.46*	11.2	0.64	2.62	13.92
19/10/2014	8.43*	17.29	0.63	2.34	13.9
20/10/2014	8.37*	14.22	0.66	2.47	13.91
21/10/2014	8.43*	15.21	0.73	3.04	13.92
22/10/2014	8.44*	11.12	0.77	2.87	13.94
23/10/2014	8.45*	12.04	0.75	2.63	13.91
24/10/2014	8.46*	13.97	0.89	2.42	13.9
25/10/2014	8.53*	19.4	1	2.69	13.92
26/10/2014	8.43*	17.45	0.94	2.54	13.93
27/10/2014	18.18	11.7	1.15	2.54	13.9
28/10/2014	*	*	*	*	*
29/10/2014	20.9	6.48	0.64	2.76	13.94
30/10/2014	39.7	19.62	0.8	3.72	18.05
31/10/2014	54.32	41.73	1.02	3.13	22.19

* - Problem in analyser

Ambuja Cement

HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (OCTOBER 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.