

Ambuja Cement

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

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	11.07
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	14.77
4	Clinker Dump Hopper-2 Bag Filter	13.80
5	Packing Plant -1 Bag Filter	13.55
6	Packing Plant -2 Bag Filter	14.63

AMBIENT AIR MONITORING RESULTS (SEPTEMBER 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)	69.7	22.34	8.3	13.0
Station No. 2 (Near Scrap Yard)	64.2	23.11	8.2	12.2
Station No. 3 (Near MPSS)	68.2	21.81	8.5	12.9
Station No. 4 (Towards Navagraon)	62.9	24.49	7.9	11.8
Station No. 5 (Towards Pater Phaloo)	65.1	21.50	8.5	13.2
Station No. 6 (Towards Ratyor)	67.8	22.85	7.8	12.8

TREATED SEWAGE WATER QUALITY (SEPTEMBER 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	35	28	25	40	32
BOD _{5day}	Mg/lt.	10	18	13.6	14	26	18.8
COD	Mg/lt.	40	80	64	60	100	76

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

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M ³)	1	30	10

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ONLINE AMBIENT AIR QUALITY MONITORING RESULTS (SEPTEMBER 2014)

Date	PM 10 ug/m3	PM 2.5 ug/m3	CO mg/m3	SO2 ug/m3	NOx ug/m3
01/09/2014	102.75	19.52	8.93	2.88	13.89
02/09/2014	98.65	7.42	8.95	2.69	13.92
03/09/2014	93.46	54.35	8.94	2.26	13.94
04/09/2014	91.45	16.83	5.09	2.33	13.93
05/09/2014	143.16	7.66	8.93	2.63	13.91
06/09/2014	91.08	7.48	8.94	2.34	13.89
07/09/2014	85.06	9.55	8.94	2.56	13.9
08/09/2014	69.29	12.41	8.94	2.44	13.88
09/09/2014	94.44	16.51	8.95	2.16	13.9
10/09/2014	82.88	22.72	8.94	2.19	13.93
11/09/2014	78.4	24.72	8.95	2.47	13.89
12/09/2014	77.84	17.28	8.95	2.67	13.92
13/09/2014	85.67	18.29	8.94	2.19	13.91
14/09/2014	85.79	20.6	8.94	2.19	13.9
15/09/2014	95.43	19.94	8.93	2.39	13.86
16/09/2014	83.64	22.73	8.95	2.48	13.9
17/09/2014	110.99	25.28	8.92	2.63	13.9
18/09/2014	96.32	28.4	8.96	2.06	13.93
19/09/2014	75.49	30.61	8.94	2.13	13.91
20/09/2014	94	31.88	8.94	2.3	13.9
21/09/2014	97.78	21.95	8.94	2.53	13.91
22/09/2014	108.48	21.91	8.96	2.63	13.9
23/09/2014	75.32	18.22	8.72	2.26	13.6
24/09/2014	196.09	20.37	8.95	2.25	13.92
25/09/2014	150.9	6.51	8.95	2.47	13.93
26/09/2014	206.26	15.04	8.93	2.51	13.9
27/09/2014	*	18.96	8.94	2.34	13.89
28/09/2014	*	12.38	8.94	2.17	13.89
29/09/2014	*	12.52	8.95	2.42	13.88
30/09/2014	*	13.01	8.95	2.58	13.92

* - Problem in analyser

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (SEPTEMBER 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.