

Ambuja Cement

STACK EMISSION MONITORING RESULTS (OCTOBER 2013) (Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	9.12
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	12.31
4	Clinker Dump Hopper-2 Bag Filter	13.42
5	Packing Plant -1 Bag Filter	12.93
6	Packing Plant -2 Bag Filter	12.73

AMBIENT AIR MONITORING RESULTS (OCTOBER 2013) (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)	68.0	23.05	8.6	12.5
Station No. 2 (Near Scrap Yard)	69.8	24.05	8.4	13
Station No. 3 (Near MPSS)	63.8	25.28	8.2	12.8
Station No. 4 (Towards Navagraon)	65.1	22.32	8.9	13
Station No. 5 (Towards Pater Phaloo)	64.4	23.65	7.8	12
Station No. 6 (Towards Ratyor)	66.3	25.19	8.4	13.3

TREATED SEWAGE WATER QUALITY (OCTOBER 2013) (Average Values)

Parameters	Units	Minimum Value	Maximum Value	Average
pH	-	7.5	8.5	8
TSS	Mg/lt.	25	50	33
BOD _{5day}	Mg/lt.	12	24	18
COD	Mg/lt.	60	100	72

RESULTS OF ONLINE EMISSION MONITOR ATTACHED TO CEMENT MILL STACK (OCTOBER 2013)

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M ³)	1	28	9

Ambuja Cements Limited (Unit: Nalagarh)
Village Navagraon, P.O. Jajhra, Tehsil Nalagarh, Distt. Solan (H.P.) 174 101
(Regd. Off.: P.O. Ambujanagar, Taluka Kodinar, Distt. Junagarh, Gujarat – 362 715)

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ONLINE AMBIENT AIR QUALITY MONITORING RESULTS (OCTOBER 2013)

Date	Respirable Suspended Particulate Matter ($\mu\text{g}/\text{M}^3$)		Gaseous Emission		
	PM10	PM2.5	NOx	SO2	CO
01/10/2013	0	0	0	0	0
02/10/2013	0	0	0	0	0
03/10/2013	0	0	0	0	0
04/10/2013	0	0	0	0	0
05/10/2013	0	0	0	5.55	0.3
06/10/2013	0	0	0	5.79	0.2
07/10/2013	0	0	0	0	0
08/10/2013	0	0	0	5.52	0.2
09/10/2013	0	0	0	5.9	0.3
10/10/2013	0	0	0	4.45	0.3
11/10/2013	0	0	0	4.96	0.2
12/10/2013	42.3	0	2.2	3.96	0.2
13/10/2013	44.5	0	3.13	5.46	0.3
14/10/2013	58.2	0	3.42	4.97	0.3
15/10/2013	63.5	0	4.61	4.76	0.3
16/10/2013	71.4	0	5.58	7.35	0.3
17/10/2013	89.7	0	6.43	6.49	0.3
18/10/2013	104.6	0	6.4	6.74	0.2
19/10/2013	74	0	7.02	5.33	0.2
20/10/2013	69.8	0	7.31	5.2	0.3
21/10/2013	99.1	0	7.08	5.45	0.3
22/10/2013	112.9	0	8.39	5.56	0.2
23/10/2013	119.9	0	9.87	5.16	0.2
24/10/2013	114.7	0	9.05	4.88	0.2
25/10/2013	110.8	0	10.1	5.63	0.3
26/10/2013	88.7	0	10.2	35.7	0.2
27/10/2013	142.8	18.7	9.32	1.98	0.3
28/10/2013	125.4	18.4	8.98	2.36	0.3
29/10/2013	65.8	25.3	11.4	4.66	0.3
30/10/2013	66.4	18.8	12.9	7.17	0.2
31/10/2013	47.8	8.9	11	6.98	0.2

0 - SYSTEM PROBLEM

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (OCTOBER 2013)

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.