

Ambuja Cement

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

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	8.62
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	13.53
4	Clinker Dump Hopper-2 Bag Filter	11.94
5	Packing Plant -1 Bag Filter	14.76
6	Packing Plant -2 Bag Filter	12.99

AMBIENT AIR MONITORING RESULTS (NOVEMBER 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)	70.2	26.65	10.1	13.4
Station No. 2 (Near Scrap Yard)	71.2	28.00	9.6	12.8
Station No. 3 (Near MPSS)	66.8	25.76	9.9	13.5
Station No. 4 (Towards Navagraon)	68.4	27.12	10.9	13.9
Station No. 5 (Towards Pater Phaloo)	73.2	25.96	10	12.9
Station No. 6 (Towards Ratyor)	70.0	24.35	8.9	12.3

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

Parameters	Units	Minimum Value	Maximum Value	Average
pH	-	7.5	8.5	-
TSS	Mg/lit.	20	40	27
BOD _{5day}	Mg/lit.	12	26	20
COD	Mg/lit.	60	100	76

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

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M ³)	1	30	12

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 (NOVEMBER 2013)

Date	Respirable Suspended Particulate Matter ($\mu\text{g}/\text{M}^3$)		Gaseous Emission		
	PM10	PM2.5	NOx ($\mu\text{g}/\text{M}^3$)	SO2 ($\mu\text{g}/\text{M}^3$)	CO(mg/M3)
01/11/2013	135.7	6.8	16.14	6.29	0.2
02/11/2013	144.2	11.7	14.32	7.7	0.3
03/11/2013	101.8	7.5	10.62	7.64	0.3
04/11/2013	106.2	7.4	11.74	7.59	0.3
05/11/2013	134.4	33.1	23.26	7	0.3
06/11/2013	33.7	75.1	20.43	7.62	0.3
07/11/2013	129.7	68.1	16.59	7.52	0.3
08/11/2013	21.2	11.7	18.21	8.05	0.2
09/11/2013	59.7	17.5	19.95	7.58	0.2
10/11/2013	163.9	16.1	26.49	7.2	0.3
11/11/2013	120.7	22.2	31.86	8.47	0.2
12/11/2013	63.4	19	34.2	6.2	0.3
13/11/2013	59.6	13.9	19.07	9.19	0.3
14/11/2013	53.4	16.5	23.37	8.25	0.3
15/11/2013	55.3	15.5	24.15	8.12	0.3
16/11/2013	111.3	14.4	24.43	8.34	0.3
17/11/2013	105.9	14.3	20.86	8.54	0.2
18/11/2013	162.3	16.2	18.81	7.79	0.3
19/11/2013	50	17.8	21.1	7.84	0.2
20/11/2013	50.7	20.2	22.77	8.04	0.2
21/11/2013	56.6	24.8	25.23	10.3	0.3
22/11/2013	102.8	22.6	22.88	6.78	0.3
23/11/2013	43.9	22	19.94	5.96	0.3
24/11/2013	91.8	20.3	21.89	7.41	0.2
25/11/2013	34.8	16.4	17.43	7.92	0.3
26/11/2013	33.1	13.5	17.53	7.47	0.2
27/11/2013	37.9	14.2	17.45	8.6	0.3
28/11/2013	48	16.2	19.43	8.56	0.2
29/11/2013	104.4	16.5	10.61	7.81	0.3
30/11/2013	168.2	18.5	1.64	7.68	0.3

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (NOVEMBER 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.