

Ambuja Cement

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

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	7.94
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	12.56
4	Clinker Dump Hopper-2 Bag Filter	11.14
5	Packing Plant -1 Bag Filter	13.69
6	Packing Plant -2 Bag Filter	12.91

AMBIENT AIR MONITORING RESULTS (DECEMBER 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)	62.8	24.50	8.2	10.8
Station No. 2 (Near Scrap Yard)	63.1	21.75	10.2	13.6
Station No. 3 (Near MPSS)	60.9	21.48	8.7	12.2
Station No. 4 (Towards Navagraon)	63.6	20.16	9	11.2
Station No. 5 (Towards Pater Phaloo)	61.8	21.23	9.1	11.8
Station No. 6 (Towards Ratyor)	59.0	19.12	9.2	12

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

Parameters	Units	Minimum Value	Maximum Value	Average
pH	-	8.0	8.5	-
TSS	Mg/lt.	30	40	35
BOD _{5day}	Mg/lt.	12	24	18.4
COD	Mg/lt.	60	100	80

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

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M ³)	2	28	11

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ONLINE AMBIENT AIR QUALITY MONITORING RESULTS (DECEMBER 2013)

Date	SPM ug/m3	SPM2^5 ug/m3	CO mg/m3	SO2 ug/m3	NOX ug/m3
01/12/2013	*	*	*	*	*
02/12/2013	*	*	*	*	*
03/12/2013	*	*	*	*	*
04/12/2013	*	*	*	*	*
05/12/2013	36.8	19.6	0.3	8.49	1.56
06/12/2013	44.7	20.3	0.2	8.13	1.62
07/12/2013	43.8	25.9	0.2	8.99	1.43
08/12/2013	57.2	25.9	0.2	7.63	1.69
09/12/2013	33.2	25.3	0.3	8.15	1.56
10/12/2013	60.2	26.6	0.2	8.1	1.54
11/12/2013	54.2	22.2	0.3	8.81	1.6
12/12/2013	42.9	17.1	0.3	7.44	1.53
13/12/2013	44.2	19.3	0.3	8.42	1.5
14/12/2013	137	24.1	0.3	7.29	46.64
15/12/2013	*	*	*	*	*
16/12/2013	77.4	26.8	0.2	7.2	29.68
17/12/2013	91.8	23.6	0.3	8.58	34.25
18/12/2013	46.9	28.3	0.3	8.74	38.26
19/12/2013	63.4	26.7	0.2	7.29	40.25
20/12/2013	50.2	26.2	0.2	8.22	31.09
21/12/2013	40.9	22.7	0.2	7.94	31.12
22/12/2013	73.9	12.6	0.3	7.94	20.02
23/12/2013	26.1	15.4	0.2	8.56	32.4
24/12/2013	35	18.9	0.3	7.41	27.3
25/12/2013	*	*	*	*	*
26/12/2013	*	*	*	*	*
27/12/2013	71.5	11	0.3	7.41	46.64
28/12/2013	100.8	24.5	0.3	7.57	45.12
29/12/2013	43.9	24.3	0.2	7.91	36.82
30/12/2013	145.7	30.6	0.3	8.72	53.76
31/12/2013	61.4	18.3	0.2	7.86	45.36

* - System Problem

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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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (DECEMBER 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.