

Ambuja Cement

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

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Cement Mill Bag House	9.79
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	14.13
4	Clinker Dump Hopper-2 Bag Filter	12.88
5	Packing Plant -1 Bag Filter	12.28
6	Packing Plant -2 Bag Filter	12.52

AMBIENT AIR MONITORING RESULTS (APRIL 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)	79.0	27.84	8.4	11.7
Station No. 2 (Near Scrap Yard)	74.9	28.85	7.4	11.8
Station No. 3 (Near MPSS)	71.2	29.48	7.8	11.7
Station No. 4 (Towards Navagraon)	75.1	28.36	8	12.1
Station No. 5 (Towards Pater Phaloo)	79.3	26.15	7.2	11.0
Station No. 6 (Towards Ratyor)	76.9	25.81	7.3	11.9

TREATED SEWAGE WATER QUALITY (APRIL 2014) (Average Values)

Parameters	Units	Minimum Value	Maximum Value	Average
pH	-	8.0	8.5	-
TSS	Mg/lt.	20	40	30
BOD _{5day}	Mg/lt.	10	24	17.2
COD	Mg/lt.	60	100	76

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

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M ³)	2	25	13

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 (APRIL 2014)

Date	PM 10 ug/m3	PM 2.5 ug/m3	CO mg/m3	SO2 ug/m3	NOX ug/m3
01/04/2014	73.05	19.42	0.21	5.09	2.79
02/04/2014	77.22	18.86	0.16	4.31	2.84
03/04/2014	*	*	*	*	*
04/04/2014	60.29	21	0.26	6.08	2.43
05/04/2014	73.08	20.45	0.2	5.35	2.36
06/04/2014	78.03	23.79	0.21	3.25	2.74
07/04/2014	45.63	15.21	0.24	4.11	3.03
08/04/2014	75.67	23.49	0.2	5.02	3.02
09/04/2014	75.68	22.75	0.24	4.46	2.64
10/04/2014	71.92	26.53	0.21	4.71	2.53
11/04/2014	*	*	*	*	*
12/04/2014	95.57	34.83	0.22	5.5	2.73
13/04/2014	53.67	22.64	0.26	4.34	2.75
14/04/2014	48.79	22.49	0.28	3.9	2.35
15/04/2014	98.85	33.36	0.19	5.54	2.6
16/04/2014	*	*	*	*	*
17/04/2014	*	*	*	*	*
18/04/2014	49.69	18.93	0.27	5.71	12.03
19/04/2014	51.25	12.54	0.22	5.76	12.55
20/04/2014	60.23	16.3	0.26	4.85	12.98
21/04/2014	79.12	16.51	0.24	6.62	12.34
22/04/2014	98.25	19	0.37	4.12	12.11
23/04/2014	96.3	16.32	0.26	5.1	12.62
24/04/2014	100.67	19.65	0.13	4.93	12.35
25/04/2014	89.11	18.12	0.31	4.59	12.43
26/04/2014	82.01	20.86	0.3	6.06	12.56
27/04/2014	126.25	21.15	0.33	4.54	12.43
28/04/2014	*	*	*	*	*
29/04/2014	*	*	*	*	*
30/04/2014	*	*	*	*	*

* - System problem.

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HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (APRIL 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.