

# Ambuja Cement

## STACK EMISSION MONITORING RESULTS (JUNE 2014) (Average Value)

Sr. No.	Stack Attached To	Particulate Matter (mg/Nm <sup>3</sup> )
1	Cement Mill Bag House	9.87
2	D.G. Set	Not Operated
3	Clinker Dump Hopper-1 Bag Filter	11.91
4	Clinker Dump Hopper-2 Bag Filter	14.59
5	Packing Plant -1 Bag Filter	13.35
6	Packing Plant -2 Bag Filter	13.83

## AMBIENT AIR MONITORING RESULTS (JUNE 2014) (Average Values)

Stations	Respirable Suspended Particulate Matter (µg/M <sup>3</sup> )		Gaseous Emission (µg/M <sup>3</sup> )	
	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>
Station No. 1 (Near Adm. Office)	81.0	26.62	8.1	11.5
Station No. 2 (Near Scrap Yard)	77.9	25.71	8.4	12.2
Station No. 3 (Near MPSS)	76.8	24.54	8.6	13.0
Station No. 4 (Towards Navagraon)	79.5	25.23	8.5	12.2
Station No. 5 (Towards Pater Phaloo)	78.4	24.88	9.8	13.4
Station No. 6 (Towards Ratyor)	74.4	23.81	7.7	12.0

## TREATED SEWAGE WATER QUALITY (JUNE 2014) (Average Values)

Parameters	Units	Minimum Value	Maximum Value	Average
pH	-	8.0	8.5	-
TSS	Mg/lt.	25	35	29
BOD <sub>5day</sub>	Mg/lt.	12	24	18
COD	Mg/lt.	60	80	72

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

PARAMETER	Particulate Matter Concentration		
	Minimum	Maximum	Average
Particulate Matter Conc. (mg/M <sup>3</sup> )	1	16	12.5

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 (JUNE 2014)

Date	PM 10	PM 2.5	CO	SO2	NOX
	ug/m3	ug/m3	mg/m3	ug/m3	ug/m3
01/06/2014	50.18	21.82	0.21	4.25	13.9
02/06/2014	43	16.52	0.3	4.87	13.9
03/06/2014	58.41	22.22	0.26	3.29	13.9
04/06/2014	54.54	20.86	0.22	5.14	13.9
05/06/2014	67.1	23.71	0.29	6.17	13.88
06/06/2014	69.91	24.72	0.15	6.71	13.92
07/06/2014	93.6	25.21	0.26	4.2	13.92
08/06/2014	134.37	48.49	0.27	5.23	13.89
09/06/2014	112.53	46.9	0.18	4.16	13.91
10/06/2014	78.51	26.52	0.2	5.76	13.9
11/06/2014	96.14	28.93	0.22	4.87	13.91
12/06/2014	43.84	16.14	0.18	3.73	13.9
13/06/2014	65.65	24.74	0.23	5	13.9
14/06/2014	44.08	14.94	0.19	4.88	13.9
15/06/2014	51.78	20.6	0.25	5.21	13.87
16/06/2014	46.09	18.28	0.24	4.56	13.92
17/06/2014	37.35	14.77	0.26	3.34	13.9
18/06/2014	47.6	17.37	0.24	4.81	13.9
19/06/2014	42.51	16.78	0.24	3.5	13.93
20/06/2014	84.5	23.73	0.22	4.18	13.92
21/06/2014	45.47	18.22	0.17	2.45	12.4
22/06/2014	36.01	12.25	0.23	2.74	11.89
23/06/2014	43.18	15.42	0.32	3.46	11.91
24/06/2014	44.15	17.03	0.25	3.62	11.88
25/06/2014	47.84	18.09	0.2	3.95	11.92
26/06/2014	45.12	19.44	0.25	3.75	11.89
27/06/2014	47.34	19.71	0.24	2.84	11.93
28/06/2014	44.41	16.69	0.23	3.76	11.9
29/06/2014	30.48	9.32	0.22	2.89	11.9
30/06/2014	40.18	14.66	0.23	3.01	11.93

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## HEAVY METAL MONITORING IN AMBIENT AIR QUALITY (JUNE 2014)

Stations	Parameters		
	Nickel (ng/M <sup>3</sup> )	Arsenic (ng/M <sup>3</sup> )	Lead (µg/M <sup>3</sup> )
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.