

Ecomen Laboratories (P) Ltd.

[An approved Laboratory from Ministry of Environment & Forests (MoEF), New Delhi, Govt. of India]
Flat No.5-8, 2nd Floor, Arif Chamber V, Sector H, Aliganj, Lucknow - 226 024

Month: October 09

Ambient Air Quality Report (Weekly) 12.10.09-18.10.09

Narsinghgarh Clinker Plant, Heidelberg Cement India Limited. (Location No. -1)

Date/ Time*	RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)		
	12.10.09	14.10.09	12.10.09	14.10.09		12.10.09	14.10.09	12.10.09	14.10.09	12.10.09	14.10.09	
Nr. Hospital	8.00 AM	52	63	216	261	8.00 am	500	700	11.6	14.9	24.1	24.8
						12.00 pm	600	500	14.3	10.7	19.4	22.7
	4.00 PM	65	68	253	275	4.00 pm	700	600	11.9	11.9	20.5	21.4
						8.00 pm	800	400	13.2	8.3	25.2	19.9
	12.00 MN	63	69	276	269	12.00 am	600	300	10.2	11.9	16.2	19.4
	Average Value	60	67	248	268	Average Value	617	517	12.4	11.0	19.6	21.7
Nr. Env. Lab	8.00 AM	52	74	228	270	8.00 am	500	500	14.9	14.9	24.5	21.8
						12.00 pm	900	400	10.2	8.5	18.0	18.0
	4.00 PM	73	61	281	234	4.00 pm	800	400	11.9	11.9	22.8	17.6
						8.00 pm	500	500	14.2	9.5	14.8	19.0
	12.00 MN	75	73	268	282	12.00 am	600	300	8.3	13.2	20.8	24.2
	Average Value	67	69	259	262	Average Value	633	400	11.7	12.3	20.6	20.6
Date/ Time*	RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)		
	13.10.09	15.10.09	13.10.09	15.10.09		13.10.09	15.10.09	13.10.09	15.10.09	13.10.09	15.10.09	
Nr. Guest House	8.00 AM	76	75	287	294	8.00 am	700	500	13.2	8.3	23.8	14.5
						12.00 pm	600	600	10.7	10.7	22.7	14.7
	4.00 PM	61	69	228	264	4.00 pm	600	400	11.9	8.5	23.1	16.7
						8.00 pm	600	600	9.9	14.9	24.1	17.6
	12.00 MN	63	71	268	263	12.00 am	500	500	8.5	6.8	20.3	18.0
	Average Value	66	72	261	274	Average Value	600	500	11.0	10.1	23.1	16.1
Nr. Worker Colony	8.00 AM	68	69	254	252	8.00 am	500	700	8.3	14.9	18.1	19.0
						12.00 pm	800	500	13.6	8.5	19.9	13.8
	4.00 PM	66	76	234	253	4.00 pm	600	600	10.2	11.9	18.0	18.1
						8.00 pm	600	500	7.9	11.0	16.6	13.3
	12.00 MN	60	73	229	249	12.00 am	500	600	14.9	8.3	17.1	17.6
	Average Value	65	73	239	251	Average Value	550	550	11.5	11.8	18.0	16.2

* Time mentioned above is the initial Time of sampling.

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Month: October 09

Ambient Air Quality Report (Weekly) 12.10.09-18.10.09

GRINDING UNIT IML Al. Heidelberg Cement India Limited. (Location No. -2)

Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		12.10.09	14.10.09	12.10.09	14.10.09		12.10.09	14.10.09	12.10.09	14.10.09	12.10.09	14.10.09
Near Admin Bld	8.00 AM	68	66	266	246	8.00 am	300	600	6.6	9.9	25.6	23.7
						12.00 pm	600	400	16.1	14.3	22.3	23.6
	4.00 PM	64	76	263	279	4.00 pm	500	600	10.2	6.8	19.0	23.9
						8.00 pm	400	500	13.2	14.9	18.1	24.7
	12.00 MN	63	74	231	261	12.00 am	600	400	8.5	6.8	19.9	23.6
					4.00 am	500	400	11.6	8.3	18.1	22.1	
Average Value	65	72	253	262	Average Value	483	483	11.0	10.2	20.5	23.6	
Near Worker Colony	8.00 AM	76	81	289	292	8.00 am	600	500	11.6	13.2	20.3	25.2
						12.00 pm	500	300	10.2	8.5	18.0	25.0
	4.00 PM	73	71	277	274	4.00 pm	400	300	11.9	11.9	18.1	26.1
						8.00 pm	400	500	9.5	9.5	19.0	23.7
	12.00 MN	80	79	289	283	12.00 am	500	600	11.6	8.3	25.6	26.0
					4.00 am	300	400	14.3	12.5	28.0	23.3	
Average Value	76	77	285	283	Average Value	450	433	11.5	10.6	21.5	24.9	
Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		13.10.09	15.10.09	13.10.09	15.10.09		13.10.09	15.10.09	13.10.09	15.10.09	13.10.09	15.10.09
Near Railway Siding	8.00 AM	87	95	303	323	8.00 am	300	600	12.2	6.6	24.4	24.1
						12.00 pm	300	500	8.7	8.9	19.9	23.9
	4.00 PM	96	84	323	291	4.00 pm	500	400	11.6	11.9	19.0	26.3
						8.00 pm	600	700	15.7	13.2	25.6	22.3
	12.00 MN	76	92	261	242	12.00 am	400	500	13.2	10.2	15.2	27.3
					4.00 am	600	600	13.9	11.6	11.5	25.6	
Average Value	86	91	296	285	Average Value	450	550	12.6	10.4	19.3	24.9	
Near Staff Colony	8.00 AM	81	70	281	265	8.00 am	500	500	9.9	14.9	26.8	23.6
						12.00 pm	400	600	8.7	10.2	16.1	23.0
	4.00 PM	73	72	272	263	4.00 pm	700	400	11.6	8.5	21.4	25.2
						8.00 pm	500	500	6.6	12.6	16.1	19.9
	12.00 MN	83	81	287	290	12.00 am	600	400	13.9	11.6	21.9	20.8
					4.00 am	500	600	14.9	14.3	22.8	25.3	
Average Value	79	74	280	273	Average Value	533	500	11.0	12.0	20.8	23.0	

* Time mentioned above is the initial Time of sampling.

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Month: October 09

Ambient Air Quality Report (Weekly) 12.10.09-18.10.09

LIME STONE MINES NARSINGGARH, Heidelberg Cement India Limited, (Location No.-4)

Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		12.10.09	14.10.09	12.10.09	14.10.09		12.10.09	14.10.09	12.10.09	14.10.09	12.10.09	14.10.09
Near Mine Office	8.00 AM*	61	76	234	266	8.00 am	900	300	8.3	11.0	24.7	17.1
						12.00 pm	800	600	10.7	16.1	18.5	20.4
	4.00 PM	70	70	272	259	4.00 pm	500	500	10.2	8.3	20.8	20.8
						8.00 pm	600	400	8.3	9.9	20.8	21.9
	12.00 MN	67	70	253	261	12.00 am	500	500	10.2	11.4	15.7	20.9
					4.00 am	700	500	9.9	16.2	19.4	21.8	
Average Value	66	72	253	262	Average Value	667	467	9.6	12.1	20.0	20.5	
Near Weigh Bridge	8.00 AM	69	64	320	244	8.00 am	600	400	14.9	13.2	18.5	20.0
						12.00 pm	600	400	13.6	11.0	23.7	19.5
	4.00 PM	66	71	257	262	4.00 pm	600	200	10.2	15.3	18.5	26.8
						8.00 pm	500	400	9.5	11.6	15.7	29.2
	12.00 MN	63	67	235	257	12.00 am	600	200	11.6	8.3	22.8	28.7
					4.00 am	500	300	14.3	11.9	17.7	26.3	
Average Value	66	68	270	254	Average Value	567	317	12.3	11.9	19.5	25.1	
Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		13.10.09	15.10.09	13.10.09	15.10.09		13.10.09	15.10.09	13.10.09	15.10.09	13.10.09	15.10.09
Near Site Office	8.00 AM	74	66	269	256	8.00 am	800	400	11.6	15.3	16.3	15.2
						12.00 pm	600	500	8.5	11.3	19.9	20.5
	4.00 PM	74	71	285	270	4.00 pm	600	300	6.8	9.9	19.4	21.9
						8.00 pm	500	300	9.5	13.6	26.1	21.8
	12.00 MN	74	64	275	242	12.00 am	300	500	8.5	10.2	17.6	25.0
					4.00 am	700	600	6.6	15.3	16.5	16.6	
Average Value	74	67	277	256	Average Value	583	433	8.6	12.6	19.3	20.2	
Near Mine Pit	8.00 AM	69	70	292	261	8.00 am	500	400	8.3	14.9	17.6	19.4
						12.00 pm	600	600	9.5	16.6	25.5	21.3
	4.00 PM	77	75	270	292	4.00 pm	500	500	8.1	15.8	16.1	18.5
						8.00 pm	500	400	7.9	15.3	20.0	16.6
	12.00 MN	81	74	296	220	12.00 am	200	700	13.2	8.3	17.6	16.2
					4.00 am	400	500	14.6	20.4	23.9	18.5	
Average Value	76	73	286	258	Average Value	450	517	10.3	15.2	20.1	18.4	

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Month: October 09

Ambient Air Quality Report (Weekly) 12.10.09-18.10.09

LIME STONE MINES Patharia, Heidelberg Cement India Limited.(Location No. 3)

Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		12.10.09	14.10.09	12.10.09	14.10.09		12.10.09	14.10.09	12.10.09	14.10.09	12.10.09	14.10.09
Near Main Office	8.00 AM	64	81	250	266	8.00 am	300	600	13.2	12.6	26.6	23.3
						12.00 pm	600	400	17.9	14.3	26.1	20.4
	4.00 PM	81	72	269	286	4.00 pm	500	600	15.3	14.9	21.3	23.1
						8.00 pm	400	500	14.9	13.2	16.3	19.4
	12.00 MN	66	64	235	246	12.00 am	600	400	8.5	13.0	19.5	19.5
4.00 am						500	400	13.2	12.9	19.4	20.8	
Average Value	71	72	251	266	Average Value	483	483	13.8	13.5	21.5	21.1	
Near Soil Dump	8.00 AM	67	64	261	261	8.00 am	500	500	13.2	8.3	18.1	19.0
						12.00 pm	600	300	13.6	7.9	19.0	28.0
	4.00 PM	75	76	284	283	4.00 pm	500	300	15.3	6.8	25.5	25.9
						8.00 pm	400	500	12.6	13.2	26.1	25.2
	12.00 MN	73	72	259	263	12.00 am	400	600	13.2	11.6	26.6	27.1
4.00 am						500	400	14.3	13.6	22.0	22.0	
Average Value	71	71	268	269	Average Value	483	433	13.7	10.2	22.9	24.5	
Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		13.10.09	15.10.09	13.10.09	15.10.09		13.10.09	15.10.09	13.10.09	15.10.09	13.10.09	15.10.09
Near Mine Pit	8.00 AM	63	66	244	274	8.00 am	300	600	8.3	20.4	22.3	27.1
						12.00 pm	300	500	8.5	19.4	22.8	21.4
	4.00 PM	77	67	262	220	4.00 pm	500	400	6.8	14.9	23.6	27.3
						8.00 pm	600	700	12.6	15.3	25.3	23.0
	12.00 MN	59	76	251	285	12.00 am	400	500	11.9	11.9	20.4	23.7
4.00 am						600	600	13.2	13.6	26.8	22.7	
Average Value	66	70	252	260	Average Value	450	550	10.2	15.9	23.5	24.2	
Near Temple	8.00 AM	64	72	250	258	8.00 am	500	500	14.9	14.9	19.0	16.7
						12.00 pm	400	600	17.3	18.2	23.3	20.4
	4.00 PM	59	78	230	288	4.00 pm	700	400	13.0	12.6	24.1	19.9
						8.00 pm	500	400	14.2	15.3	22.8	20.4
	12.00 MN	71	64	270	268	12.00 am	600	500	11.6	11.6	24.7	19.5
4.00 am						500	400	8.1	8.5	29.5	20.0	
Average Value	65	71	250	271	Average Value	533	467	13.2	13.5	23.9	19.5	

* Time mentioned above is the initial Time of sampling.

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