

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) 19.10.09-25.10.09

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)		
	19.10.09	21.10.09	19.10.09	21.10.09		19.10.09	21.10.09	19.10.09	21.10.09	19.10.09	21.10.09	
Nr. Hospital	8.00 AM	77	84	266	283	8.00 am	500	700	11.7	15.4	25.2	25.6
						12.00 pm	600	500	13.7	10.0	24.0	24.0
	4.00 PM	76	83	277	282	4.00 pm	700	600	11.7	12.0	23.9	21.5
						8.00 pm	800	400	13.3	8.3	24.2	19.6
	12.00 MN	82	86	271	282	12.00 am	600	300	10.2	11.7	21.0	20.5
Average Value	78	84	272	282	Average Value	617	517	12.3	11.0	24.0	22.0	
Nr. Env. Lab	8.00 AM	76	76	269	250	8.00 am	500	500	15.4	15.0	24.2	22.0
						12.00 pm	900	400	10.2	8.5	21.1	18.6
	4.00 PM	78	61	277	284	4.00 pm	800	400	11.7	11.7	19.6	17.7
						8.00 pm	500	500	15.4	10.2	19.1	20.1
	12.00 MN	64	83	237	304	12.00 am	600	300	8.3	13.3	20.6	25.0
Average Value	73	73	261	279	Average Value	633	400	11.8	12.3	20.3	21.1	
Date/ Time*	RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)		
	20.10.09	22.10.09	20.10.09	22.10.09		20.10.09	22.10.09	20.10.09	22.10.09	20.10.09	22.10.09	
Nr. Guest House	8.00 AM	83	76	296	308	8.00 am	700	500	8.5	8.3	23.8	15.7
						12.00 pm	600	600	10.2	10.5	17.2	14.4
	4.00 PM	81	74	285	281	4.00 pm	600	400	8.3	8.5	17.7	17.2
						8.00 pm	600	600	15.4	15.0	25.5	26.5
	12.00 MN	71	84	281	280	12.00 am	500	500	6.8	6.8	22.1	21.9
Average Value	78	78	287	290	Average Value	600	500	10.2	10.1	21.9	19.3	
Worker Colony	8.00 AM	85	61	270	259	8.00 am	500	700	15.0	15.4	18.2	18.6
						12.00 pm	800	500	8.5	8.3	20.1	20.1
	4.00 PM	81	76	294	298	4.00 pm	600	600	12.3	11.7	18.1	19.1
						8.00 pm	600	500	12.0	11.7	16.3	13.0
	12.00 MN	66	80	266	302	12.00 am	500	600	8.3	8.5	16.8	18.6
Average Value	78	72	277	287	Average Value	550	550	11.9	11.8	17.9	17.6	

is the initial Time of

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Month: October 09

Ambient Air Quality Report (Weekly) 19.10.09-25.10.09												
GRINDING UNIT IMLAI 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)	
		19.10.09	21.10.09	19.10.09	21.10.09		19.10.09	21.10.09	19.10.09	21.10.09	19.10.09	21.10.09
Near Admin Bld	8.00 AM	76	77	275	250	8.00 am	300	600	12.0	10.5	23.9	23.3
						12.00 pm	600	400	13.3	13.7	25.0	23.8
	4.00 PM	76	74	276	266	4.00 pm	500	600	12.0	6.8	24.7	25.3
						8.00 pm	400	500	13.3	15.4	25.5	25.2
	12.00 MN	81	71	273	282	12.00 am	600	400	10.5	6.7	24.4	26.3
					4.00 am	500	400	13.7	8.5	22.8	24.5	
Average Value	78	74	275	266	Average Value	483	483	12.5	10.3	24.4	24.7	
Near Worker Colony	8.00 AM	77	80	289	324	8.00 am	500	500	15.0	14.0	26.0	24.2
						12.00 pm	600	300	10.5	8.3	25.8	22.8
	4.00 PM	66	74	300	279	4.00 pm	500	300	12.0	12.0	25.6	24.9
						8.00 pm	400	500	15.0	10.2	24.5	24.7
	12.00 MN	78	80	301	271	12.00 am	400	600	8.3	8.3	24.9	25.8
					4.00 am	500	400	10.2	12.0	22.8	21.9	
Average Value	74	78	297	291	Average Value	300	433	11.8	10.8	24.9	24.1	
Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		20.10.09	22.10.09	20.10.09	22.10.09		20.10.09	22.10.09	20.10.09	22.10.09	20.10.09	22.10.09
Near Railway Siding	8.00 AM	93	94	315	320	8.00 am	300	600	8.3	6.7	25.2	28.2
						12.00 pm	300	500	10.0	8.5	20.6	26.5
	4.00 PM	89	95	319	321	4.00 pm	500	400	8.3	12.0	19.6	23.8
						8.00 pm	600	700	15.4	13.7	25.2	22.0
	12.00 MN	91	97	306	327	12.00 am	400	500	6.7	10.2	15.7	26.0
					4.00 am	600	600	12.0	11.7	11.0	25.2	
Average Value	91	95	314	323	Average Value	450	550	10.1	10.5	19.5	25.3	
Near Staff Colony	8.00 AM	88	67	284	241	8.00 am	500	500	15.8	15.4	25.6	25.0
						12.00 pm	400	600	8.5	10.2	15.4	21.4
	4.00 PM	74	85	264	279	4.00 pm	700	400	11.7	8.8	22.1	24.7
						8.00 pm	500	500	11.7	13.7	15.4	21.1
	12.00 MN	84	87	269	295	12.00 am	600	400	8.5	12.0	22.1	21.5
					4.00 am	500	600	15.0	13.3	23.5	24.2	
Average Value	82	80	272	272	Average Value	533	500	11.9	12.2	20.7	23.0	

* Time mentioned above is the initial Time of sampling.

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Month: October 09

Ambient Air Quality Report (Weekly) 19.10.09-25.10.09												
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)	
		19.10.09	21.10.09	19.10.09	21.10.09		19.10.09	21.10.09	19.10.09	21.10.09	19.10.09	21.10.09
Near Mine Office	8.00 AM*	61	73	252	235	8.00 am	900	300	8.8	11.7	24.9	24.2
						12.00 pm	800	600	10.2	15.4	19.1	19.1
	4.00 PM	64	74	273	291	4.00 pm	500	500	10.2	8.5	21.0	21.0
						8.00 pm	600	400	8.3	10.0	19.1	22.0
	12.00 MN	72	74	283	268	12.00 am	500	500	10.2	12.0	21.0	15.4
					4.00 am	700	500	10.2	17.1	22.0	20.6	
Average Value	66	74	270	265	Average Value	667	467	9.7	12.4	21.2	20.4	
Near Weigh Bridge	8.00 AM	73	78	279	287	8.00 am	600	400	15.4	13.3	16.2	20.1
						12.00 pm	600	400	14.0	12.0	19.6	23.3
	4.00 PM	72	82	254	277	4.00 pm	600	600	10.2	15.0	20.1	18.6
						8.00 pm	500	500	10.2	12.0	23.3	15.4
	12.00 MN	70	74	267	256	12.00 am	600	800	11.7	8.3	18.6	22.9
					4.00 am	500	400	13.7	12.3	16.2	16.5	
Average Value	71	78	267	274	Average Value	567	517	12.5	12.1	19.0	19.5	
Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		20.10.09	22.10.09	20.10.09	22.10.09		20.10.09	22.10.09	20.10.09	22.10.09	20.10.09	22.10.09
Near Site Office	8.00 AM	78	71	258	239	8.00 am	800	900	12.0	15.0	22.4	14.9
						12.00 pm	600	700	8.8	12.3	26.5	19.6
	4.00 PM	76	78	295	283	4.00 pm	600	600	6.8	10.2	14.9	21.5
						8.00 pm	500	700	10.5	13.3	19.6	21.4
	12.00 MN	65	79	270	289	12.00 am	300	500	8.5	10.5	21.5	25.8
					4.00 am	700	600	6.8	15.0	22.6	15.8	
Average Value	73	76	274	270	Average Value	583	667	8.9	12.7	21.2	19.8	
Near Mine Pit	8.00 AM	78	66	262	294	8.00 am	500	400	8.8	15.4	25.8	20.1
						12.00 pm	600	600	10.2	16.7	15.8	21.4
	4.00 PM	77	80	297	291	4.00 pm	500	500	8.5	17.1	16.2	19.6
						8.00 pm	500	400	8.8	15.8	20.1	17.2
	12.00 MN	76	72	283	254	12.00 am	200	700	13.3	8.3	17.7	16.3
					4.00 am	400	500	15.4	21.0	23.4	19.1	
Average Value	77	73	280	280	Average Value	450	517	10.8	15.7	19.9	18.9	

* Time mentioned above is the initial Time of sampling.

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Month: October 09

Ambient Air Quality Report (Weekly) 19.10.09-25.10.09

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)	
		19.10.09	21.10.09	19.10.09	21.10.09		19.10.09	21.10.09	19.10.09	21.10.09	19.10.09	21.10.09
Near Main Office	8.00 AM	82	74	281	277	8.00 am	300	600	13.7	14.0	26.8	23.4
						12.00 pm	600	400	16.7	14.5	27.0	21.1
	4.00 PM	77	84	288	314	4.00 pm	500	600	15.4	15.4	21.4	23.3
						8.00 pm	400	500	15.0	13.3	20.1	20.5
	12.00 MN	71	67	247	230	12.00 am	600	400	8.3	13.7	22.8	20.1
4.00 am						500	400	14.0	13.7	25.5	21.5	
Average Value	77	75	272	274	Average Value	483	483	13.8	14.1	23.9	21.7	
Near Soil Dump	8.00 AM	80	82	283	282	8.00 am	500	500	8.5	8.3	22.4	20.6
						12.00 pm	600	300	10.0	8.3	25.5	27.5
	4.00 PM	77	71	282	236	4.00 pm	500	300	10.2	7.0	27.5	27.5
						8.00 pm	400	500	8.8	13.3	23.4	25.3
	12.00 MN	79	61	281	258	12.00 am	400	600	10.0	12.0	20.0	28.0
4.00 am						500	400	10.5	13.3	26.3	20.5	
Average Value	79	71	282	259	Average Value	483	433	9.7	10.4	24.2	24.9	
Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		20.10.09	22.10.09	20.10.09	22.10.09		20.10.09	22.10.09	20.10.09	22.10.09	20.10.09	22.10.09
Near Mine Pit	8.00 AM	80	75	290	282	8.00 am	300	600	15.0	20.5	22.6	28.0
						12.00 pm	300	500	14.0	21.0	16.8	21.5
	4.00 PM	74	78	286	289	4.00 pm	500	400	10.0	15.0	19.1	28.9
						8.00 pm	600	700	10.2	15.8	20.6	24.4
	12.00 MN	63	64	253	285	12.00 am	400	500	12.3	12.0	20.0	24.5
4.00 am						600	600	13.3	13.3	27.0	24.0	
Average Value	72	72	276	285	Average Value	450	550	12.5	16.3	21.0	25.2	
Near Temple	8.00 AM	82	84	264	290	8.00 am	500	500	15.8	15.0	20.1	17.2
						12.00 pm	400	600	18.3	19.3	24.0	21.1
	4.00 PM	77	82	275	283	4.00 pm	700	400	13.3	13.7	24.2	21.1
						8.00 pm	500	500	15.4	15.0	22.9	20.0
	12.00 MN	75	72	285	287	12.00 am	600	400	11.7	12.3	25.5	20.1
4.00 am						500	600	8.5	8.3	27.5	19.1	
Average Value	78	79	275	287	Average Value	533	500	13.8	13.9	24.0	19.8	

* Time mentioned above is the initial Time of sampling.

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