

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) 05.10.09 -11.10.09

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)		
		05.10.09	08.10.09	05.10.09	08.10.09		05.10.09	08.10.09	05.10.09	08.10.09	05.10.09	08.10.09	
Nr. Hospital	8.00 AM	Not Sampling Due to Rain	76	Not Sampling Due to Rain	248	8.00 am 12.00 pm 4.00 pm 8.00 pm 12.00 am 4.00 am Average Value	Not Sampling Due to Rain	200	Not Sampling Due to Rain	11.6	Not Sampling Due to Rain	26.3	
	4.00 PM		78		254			600		15.7		18.5	
								500		10.5		22.3	
	12.00 MN		72		227			200		8.7		20.9	
								400		11.6		23.9	
	Average Value		75		243			500		13.6		24.4	
				400	11.9	22.7							
Nr. Env. Lab	8.00 AM	Not Sampling Due to Rain	68	Not Sampling Due to Rain	222	8.00 am 12.00 pm 4.00 pm 8.00 pm 12.00 am 4.00 am Average Value	Not Sampling Due to Rain	500	Not Sampling Due to Rain	13.6	Not Sampling Due to Rain	23.4	
								700		9.9		22.3	
	4.00 PM		74		246			500		12.2		18.5	
								400		11.9		16.1	
	12.00 MN		73		247			500		13.6		14.7	
	Average Value		71		238			600		8.7		15.6	
				533	11.7	18.4							
Date/ Time*		RSPM ( µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)		
		06.10.09	09.10.09	06.10.09	09.10.09		06.10.09	09.10.09	06.10.09	09.10.09	06.10.09	09.10.09	
Nr. Guest House	8.00 AM	80	85	278	282	8.00 am 12.00 pm	200 400	500 600	8.7 11.9	8.3 15.3	23.8 22.3	18.5 11.4	
	4.00 PM	Not Sampling Due to Rain	76	Not Sampling Due to Rain	248	4.00 pm 8.00 pm	700 700	700 700	8.7 13.6	8.7 13.6	Not Sampling Due to Rain	17.5 19.0	
			69		80	245	259	12.00 am 4.00 am	600 200	800 500	10.2 13.2	8.3 7.0	23.9 22.8
	Average Value	50	80	174	395	Average Value	233	633	7.3	10.2	15.5	18.5	
	Nr. Worker Colony	8.00 AM	74	70	241	259	8.00 am 12.00 pm	300 200	600 500	8.5 11.9	12.2 9.9	25.0 23.3	22.9 17.1
		4.00 PM	Not Sampling Due to Rain	73	Not Sampling Due to Rain	226	4.00 pm 8.00 pm	400 600	400 600	12.2 8.5	12.2 8.5	Not Sampling Due to Rain	15.6 22.3
		68		55		208	220	12.00 am 4.00 am	200 300	500 200	11.9 13.6	8.3 10.2	25.8 22.9
Average Value		71	66	224	235	Average Value	167	467	7.6	10.2	16.2	20.0	

\* Time mentioned above is the initial Time of sampling.

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Month: October 09

Ambient Air Quality Report ( Weekly) 05.10.09 -11.10.09												
GRINDING UNIT IMLAL 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)	
		05.10.09	08.10.09	05.10.09	08.10.09		05.10.09	08.10.09	05.10.09	08.10.09	05.10.09	08.10.09
Near Admin Bld	8.00 AM	80	81	271	261	8.00 am	400	200	6.6	7.0	23.6	20.5
						12.00 pm	500	200	8.5	16.6	23.4	23.6
	4.00 PM	71	72	236	254	4.00 pm	600	200	10.5	15.7	20.0	26.8
						8.00 pm	500	200	15.7	13.9	19.5	26.3
	12.00 MN	76	78	265	261	12.00 am	400	500	7.0	6.6	19.9	22.8
					4.00 am	200	600	8.5	12.2	15.6	23.4	
Average Value	75	77	257	259	Average Value	433	317	9.5	12.0	20.3	23.9	
Near Worker Colony	8.00 AM	78	85	261	275	8.00 am	600	600	12.2	12.2	24.2	24.1
						12.00 pm	300	500	11.9	15.3	15.6	23.7
	4.00 PM	68	70	245	273	4.00 pm	500	400	7.0	13.9	23.6	24.2
						8.00 pm	400	300	11.9	7.0	15.2	23.1
	12.00 MN	76	69	297	240	12.00 am	200	600	13.2	13.2	24.4	24.8
					4.00 am	300	500	8.7	11.9	25.6	19.0	
Average Value	74	75	268	262	Average Value	200	483	10.8	12.3	21.4	23.2	
Date/ Time*		RSPM ( µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		06.10.09	09.10.09	06.10.09	09.10.09		06.10.09	09.10.09	06.10.09	09.10.09	06.10.09	09.10.09
Near Railway Siding	8.00 AM	85	87	278	295	8.00 am	200	400	15.7	11.9	24.8	24.8
						12.00 pm	200	600	15.7	6.8	19.0	24.2
	4.00 PM	82	80	269	267	4.00 pm	200	600	8.3	13.2	21.4	24.5
						8.00 pm	300	500	15.7	8.7	27.1	30.2
	12.00 MN	83	89	286	286	12.00 am	200	400	11.9	8.7	20.4	25.3
					4.00 am	200	500	11.6	13.6	23.1	23.7	
Average Value	83	85	278	283	Average Value	217	500	13.1	10.5	22.6	25.5	
Near Staff Colony	8.00 AM	76	83	271	259	8.00 am	200	500	12.2	7.0	24.8	25.2
						12.00 pm	200	500	12.2	11.9	30.2	30.2
	4.00 PM	81	76	309	227	4.00 pm	200	200	15.3	11.9	22.3	25.0
						8.00 pm	200	500	8.3	13.2	25.0	22.9
	12.00 MN	80	74	254	263	12.00 am	200	300	10.5	6.8	22.9	19.0
					4.00 am	200	300	13.2	8.7	19.0	23.7	
Average Value	79	78	278	250	Average Value	200	383	11.9	9.9	24.0	24.3	

\* Time mentioned above is the initial Time of sampling.

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Month: October 09

Ambient Air Quality Report ( Weekly) 05.10.09 -11.10.09												
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)	
		05.10.09	08.10.09	05.10.09	08.10.09		05.10.09	08.10.09	05.10.09	08.10.09	05.10.09	08.10.09
Near Mine Office	8.00 AM*	76	70	270	254	8.00 am	400	200	11.9	13.2	22.3	17.1
						12.00 pm	500	200	14.9	13.9	16.7	23.7
	4.00 PM	70	62	259	244	4.00 pm	600	200	15.3	13.6	21.9	20.0
						8.00 pm	500	200	11.9	15.7	23.1	21.4
	12.00 MN	69	64	245	231	12.00 am	400	500	13.9	14.9	25.3	20.8
					4.00 am	200	600	16.6	13.9	19.5	21.8	
Average Value	72	66	258	243	Average Value	433	317	14.1	14.2	21.5	20.8	
Near Weigh Bridge	8.00 AM	78	76	269	267	8.00 am	600	600	15.7	13.9	19.0	27.3
						12.00 pm	300	500	15.3	8.5	24.2	23.1
	4.00 PM	72	66	265	245	4.00 pm	500	400	20.9	12.2	26.3	25.6
						8.00 pm	400	300	18.2	11.6	14.8	20.5
	12.00 MN	64	70	227	250	12.00 am	200	600	13.6	15.7	23.3	26.1
					4.00 am	300	500	8.7	11.9	24.5	21.8	
Average Value	71	71	254	254	Average Value	383	483	15.4	12.3	22.0	24.1	
Date/ Time*		RSPM ( µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		06.10.09	09.10.09	06.10.09	09.10.09		06.10.09	09.10.09	06.10.09	09.10.09	06.10.09	09.10.09
Near Site Office	8.00 AM	64	74	242	263	8.00 am	200	400	13.9	13.9	17.1	17.1
						12.00 pm	200	600	8.7	11.9	19.0	22.4
	4.00 PM	72	74	269	261	4.00 pm	200	600	10.5	13.2	25.6	19.0
						8.00 pm	300	500	10.5	13.6	24.8	20.4
	12.00 MN	68	64	238	250	12.00 am	200	400	15.7	12.2	23.1	25.5
					4.00 am	200	500	10.2	13.9	15.6	23.1	
Average Value	68	71	250	258	Average Value	217	500	11.6	13.1	20.9	21.2	
Near Mine Pit	8.00 AM	76	69	256	245	8.00 am	200	500	8.3	14.9	23.3	19.0
						12.00 pm	200	500	11.9	8.7	23.6	20.0
	4.00 PM	66	72	233	261	4.00 pm	200	200	12.2	20.4	22.8	19.9
						8.00 pm	200	500	13.9	15.7	20.0	16.6
	12.00 MN	66	74	237	259	12.00 am	200	300	15.3	16.6	22.8	19.5
					4.00 am	200	300	18.7	17.0	22.9	15.2	
Average Value	69	72	242	255	Average Value	200	383	13.4	15.5	22.6	18.4	

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Month: October 09

Ambient Air Quality Report ( Weekly) 05.10.09 -11.10.09												
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)	
		05.10.09	08.10.09	05.10.09	08.10.09		05.10.09	08.10.09	05.10.09	08.10.09	05.10.09	08.10.09
Near Main Office	8.00 AM	72	74	263	263	8.00 am	200	200	7.0	14.3	25.5	22.8
						12.00 pm	200	200	17.4	13.9	21.8	20.0
	4.00 PM	74	68	261	254	4.00 pm	200	200	21.5	10.5	21.8	23.7
						8.00 pm	200	200	13.6	13.6	17.1	22.3
	12.00 MN	66	73	220	255	12.00 am	200	200	13.9	14.3	20.0	20.0
					4.00 am	200	200	15.7	13.9	19.5	19.0	
Average Value	71	72	248	257	Average Value	200	200	14.9	13.4	20.9	21.3	
Near Soil Dump	8.00 AM	76	74	269	259	8.00 am	200	200	21.5	14.9	22.8	22.8
						12.00 pm	400	200	13.9	8.3	22.8	28.3
	4.00 PM	66	61	252	234	4.00 pm	500	200	13.6	7.0	19.5	27.5
						8.00 pm	600	200	11.6	17.0	26.3	23.7
	12.00 MN	66	72	234	261	12.00 am	500	200	6.6	11.6	22.9	27.8
					4.00 am	400	500	13.9	13.9	21.0	22.3	
Average Value	69	69	252	252	Average Value	433	250	13.5	12.1	22.5	25.4	
Date/ Time*		RSPM ( µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		06.10.09	09.10.09	06.10.09	09.10.09		06.10.09	09.10.09	06.10.09	09.10.09	06.10.09	09.10.09
Near Mine Pit	8.00 AM	68	80	258	275	8.00 am	200	600	23.8	17.0	18.5	27.3
						12.00 pm	600	600	20.9	13.9	22.8	21.4
	4.00 PM	72	72	261	263	4.00 pm	300	500	17.4	16.6	24.4	27.3
						8.00 pm	500	400	16.6	15.3	26.6	24.4
	12.00 MN	66	70	241	263	12.00 am	400	300	11.9	13.6	21.9	24.4
					4.00 am	200	600	13.9	14.9	24.4	22.8	
Average Value	69	74	253	267	Average Value	367	500	17.4	15.2	23.1	24.6	
Near Temple	8.00 AM	64	71	252	247	8.00 am	300	500	14.9	17.0	20.0	22.9
						12.00 pm	200	400	19.2	13.2	24.2	19.9
	4.00 PM	66	70	258	254	4.00 pm	200	600	13.6	15.3	23.6	19.9
						8.00 pm	200	600	14.9	12.2	22.2	20.5
	12.00 MN	66	74	252	265	12.00 am	300	500	12.2	17.0	23.7	20.0
					4.00 am	200	400	15.7	17.0	28.0	20.0	
Average Value	66	72	254	255	Average Value	233	500	15.1	15.3	23.6	20.5	

\* Time mentioned above is the initial Time of sampling.

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