

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) 25.10.09-31.10.09

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)		
	26.10.09	28.10.09	26.10.09	28.10.09		26.10.09	28.10.09	26.10.09	28.10.09	26.10.09	28.10.09	
Nr. Hospital	8.00 AM	77	82	290	295	8.00 am	500	700	15.4	14.0	22.5	17.6
						12.00 pm	600	500	13.3	18.8	22.9	18.6
	4.00 PM	76	83	292	302	4.00 pm	700	600	12.3	15.8	27.9	15.8
						8.00 pm	800	400	13.7	14.0	22.8	27.2
	12.00 MN	82	86	283	302	12.00 am	600	300	12.3	11.7	24.3	22.8
Average Value	78	84	288	300	Average Value	617	517	13.4	14.9	24.0	21.2	
Nr. Env. Lab	8.00 AM	78	86	283	269	8.00 am	500	500	12.0	13.7	21.5	22.9
						12.00 pm	900	400	8.8	12.3	23.7	18.6
	4.00 PM	78	71	271	268	4.00 pm	800	400	10.2	13.3	23.5	18.6
						8.00 pm	500	500	12.3	15.4	19.6	17.1
	12.00 MN	71	84	275	278	12.00 am	600	300	14.0	14.0	20.1	21.5
Average Value	76	80	277	272	Average Value	633	400	12.0	13.5	21.9	19.2	
Date/ Time*	RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)		
	27.10.09	29.10.09	27.10.09	29.10.09		27.10.09	29.10.09	27.10.09	29.10.09	27.10.09	29.10.09	
Nr. Guest House	8.00 AM	85	70	282	276	8.00 am	700	500	10.2	20.0	23.8	18.1
						12.00 pm	600	600	12.3	15.4	16.7	16.7
	4.00 PM	72	70	268	242	4.00 pm	600	400	13.3	14.0	18.6	18.6
						8.00 pm	600	600	12.3	11.7	18.6	17.2
	12.00 MN	71	86	272	280	12.00 am	500	500	10.2	8.8	16.3	18.1
Average Value	76	75	274	266	Average Value	600	500	11.7	10.2	22.0	20.6	
Worker Colony	8.00 AM	81	65	266	249	8.00 am	500	700	15.4	15.8	16.7	15.8
						12.00 pm	800	500	14.0	13.3	17.6	20.1
	4.00 PM	85	87	257	294	4.00 pm	600	600	15.4	11.7	16.3	19.6
						8.00 pm	600	500	10.5	13.7	18.6	24.0
	12.00 MN	82	80	326	286	12.00 am	500	600	10.2	12.3	23.4	17.2
Average Value	83	77	283	276	Average Value	550	550	13.5	13.2	19.6	18.8	

is the initial Time of

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Month: October 09

Ambient Air Quality Report (Weekly) 25.10.09-31.10 .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)	
		26.10.09	28.10.09	26.10.09	28.10.09		26.10.09	28.10.09	26.10.09	28.10.09	26.10.09	28.10.09
Near Admin Bld	8.00 AM	71	82	247	312	8.00 am	500	700	15.4	15.4	23.7	20.0
						12.00 pm	600	500	13.3	14.0	22.9	25.0
	4.00 PM	67	72	256	253	4.00 pm	700	600	15.8	10.0	20.1	27.7
						8.00 pm	300	400	13.7	13.3	22.5	22.8
	12.00 MN	76	90	266	284	12.00 am	300	300	12.3	10.0	22.8	21.9
					4.00 am	500	600	15.0	12.0	22.0	23.5	
	Average Value	71	81	256	283	Average Value	483	517	14.2	12.4	22.3	23.5
Near Worker Colony	8.00 AM	79	76	266	262	8.00 am	600	500	15.4	13.3	21.9	20.9
						12.00 pm	800	400	14.0	10.5	18.6	27.2
	4.00 PM	63	63	277	244	4.00 pm	500	400	12.0	13.7	18.6	17.7
						8.00 pm	600	500	14.0	8.8	16.3	19.1
	12.00 MN	76	87	282	282	12.00 am	500	300	10.5	10.0	22.0	17.1
					4.00 am	700	300	13.7	15.8	17.2	21.5	
	Average Value	73	75	275	263	Average Value	617	400	13.3	12.0	19.1	20.6
Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		27.10.09	29.10.09	27.10.09	29.10.09		27.10.09	29.10.09	27.10.09	29.10.09	27.10.09	29.10.09
Near Railway Siding	8.00 AM	92	96	315	310	8.00 am	700	500	15.0	13.7	17.2	17.6
						12.00 pm	600	600	10.5	13.7	17.1	21.5
	4.00 PM	85	89	325	315	4.00 pm	600	400	12.0	15.8	18.6	19.1
						8.00 pm	600	600	15.8	14.0	27.2	17.7
	12.00 MN	97	96	311	320	12.00 am	500	500	13.7	11.7	20.5	17.6
					4.00 am	600	400	12.3	15.4	21.0	19.1	
	Average Value	91	94	317	315	Average Value	600	500	13.2	14.0	20.3	18.8
Near Staff Colony	8.00 AM	78	61	265	224	8.00 am	500	700	13.7	15.4	25.0	20.0
						12.00 pm	800	500	12.3	14.0	28.8	15.8
	4.00 PM	74	80	264	284	4.00 pm	600	600	10.2	11.7	24.2	20.1
						8.00 pm	600	500	15.8	13.7	26.4	28.1
	12.00 MN	79	78	255	278	12.00 am	500	600	13.3	12.3	24.3	25.0
					4.00 am	300	400	12.3	8.3	28.9	18.6	
	Average Value	77	73	261	262	Average Value	550	550	12.9	12.6	26.3	21.3

* Time mentioned above is the initial Time of sampling.

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Month: October 09

Ambient Air Quality Report (Weekly) 25.10.09-31.10 .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)	
		26.10.09	28.10.09	26.10.09	28.10.09		26.10.09	28.10.09	26.10.09	28.10.09	26.10.09	28.10.09
Near Mine Office	8.00 AM*	76	77	254	262	8.00 am	500	700	15.4	15.0	23.7	18.6
						12.00 pm	600	500	13.3	15.8	20.6	18.1
	4.00 PM	82	74	300	259	4.00 pm	700	600	15.8	13.7	20.9	17.1
						8.00 pm	800	400	13.7	15.4	24.3	21.5
	12.00 MN	85	80	277	288	12.00 am	600	300	12.3	14.0	19.5	17.6
					4.00 am	500	600	15.0	12.3	24.5	17.6	
Average Value	81	77	277	270	Average Value	617	517	14.2	14.4	22.3	18.4	
Near Weigh Bridge	8.00 AM	78	84	304	265	8.00 am	500	500	10.2	15.0	23.4	16.3
						12.00 pm	900	500	15.8	6.8	24.0	17.7
	4.00 PM	80	70	271	233	4.00 pm	600	700	13.7	13.7	18.6	22.9
						8.00 pm	600	600	19.3	15.8	17.1	25.0
	12.00 MN	61	79	246	287	12.00 am	500	600	15.8	13.3	23.3	26.7
					4.00 am	300	600	14.0	12.0	15.3	25.9	
Average Value	73	78	274	262	Average Value	567	583	14.8	12.8	20.3	22.4	
Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		27.10.09	29.10.09	27.10.09	29.10.09		27.10.09	29.10.09	27.10.09	29.10.09	27.10.09	29.10.09
Near Site Office	8.00 AM	70	84	256	264	8.00 am	700	500	12.0	15.8	19.6	20.5
						12.00 pm	500	600	15.0	14.0	19.1	23.8
	4.00 PM	79	83	289	274	4.00 pm	600	500	14.0	12.0	18.6	22.5
						8.00 pm	400	600	12.0	13.7	23.7	23.7
	12.00 MN	71	78	276	294	12.00 am	500	500	14.0	12.3	20.6	26.7
					4.00 am	600	400	15.4	15.8	15.3	23.4	
Average Value	73	81	273	278	Average Value	550	517	13.7	13.9	19.5	23.4	
Near Mine Pit	8.00 AM	72	75	261	252	8.00 am	500	700	13.7	13.7	20.6	24.8
						12.00 pm	800	500	12.3	13.7	21.9	25.0
	4.00 PM	75	72	262	288	4.00 pm	600	600	20.5	12.0	23.5	19.5
						8.00 pm	600	500	15.0	13.3	21.5	22.3
	12.00 MN	84	78	300	256	12.00 am	500	600	13.7	12.3	19.1	22.9
					4.00 am	300	400	12.0	14.0	17.7	21.5	
Average Value	77	75	274	265	Average Value	550	550	14.5	13.2	20.7	22.7	

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Month: October 09

Ambient Air Quality Report (Weekly) 25.10.09-31.10 .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)	
		26.10.09	28.10.09	26.10.09	28.10.09		26.10.09	28.10.09	26.10.09	28.10.09	26.10.09	28.10.09
Near Main Office	8.00 AM	88	78	256	268	8.00 am	500	700	15.8	15.0	25.5	23.7
						12.00 pm	600	500	13.7	13.7	25.6	25.5
	4.00 PM	78	79	277	265	4.00 pm	700	600	14.0	12.3	23.4	23.3
						8.00 pm	800	400	15.8	13.7	25.0	25.8
	12.00 MN	74	69	268	263	12.00 am	600	300	13.3	12.3	24.2	21.4
					4.00 am	500	600	15.4	15.8	24.3	23.5	
Average Value	80	76	267	265	Average Value	617	517	14.7	13.8	24.6	23.8	
Near Soil Dump	8.00 AM	74	71	269	288	8.00 am	500	600	10.5	13.3	18.6	21.5
						12.00 pm	900	500	13.7	8.5	18.1	19.1
	4.00 PM	80	73	275	240	4.00 pm	800	300	15.8	12.0	16.7	18.1
						8.00 pm	500	700	11.7	14.0	21.5	18.1
	12.00 MN	73	74	246	274	12.00 am	600	500	10.2	11.7	17.6	18.1
					4.00 am	600	600	15.0	8.5	18.1	20.0	
Average Value	76	73	263	268	Average Value	650	533	12.8	11.3	18.4	19.2	
Date/ Time*		RSPM (µg/m3)		SPM (µg/m3)		Time*	CO(µg/m3)		SO2(µg/m3)		NOX(µg/m3)	
		27.10.09	29.10.09	27.10.09	29.10.09		27.10.09	29.10.09	27.10.09	29.10.09	27.10.09	29.10.09
Near Mine Pit	8.00 AM	72	76	265	280	8.00 am	500	400	14.0	7.0	16.7	15.8
						12.00 pm	300	600	18.8	13.3	18.6	20.1
	4.00 PM	68	72	262	264	4.00 pm	700	400	15.8	15.8	24.2	19.1
						8.00 pm	500	600	13.3	13.7	25.8	18.6
	12.00 MN	84	77	278	287	12.00 am	600	500	12.0	12.3	22.0	18.6
					4.00 am	400	500	14.0	15.4	18.6	16.7	
Average Value	75	75	268	277	Average Value	500	500	14.6	12.9	21.0	18.1	
Near Temple	8.00 AM	83	67	255	243	8.00 am	500	700	8.5	13.7	17.7	20.9
						12.00 pm	800	600	7.0	15.0	18.1	17.2
	4.00 PM	81	74	275	270	4.00 pm	600	600	14.0	14.0	18.6	17.2
						8.00 pm	600	600	15.8	12.3	20.6	17.1
	12.00 MN	82	78	275	280	12.00 am	500	500	13.7	15.4	16.2	17.7
					4.00 am	300	600	12.3	13.7	20.1	23.5	
Average Value	82	73	269	264	Average Value	550	600	11.9	14.0	18.5	18.9	

* Time mentioned above is the initial Time of sampling.

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