

Comparative of Ambient Air Monitoring during Deepawali for Year 2014 & 2015 of Raipur

Ambient Air Quality during Deepawali												
Parameters Monitored												
Date	Normal Day 15/10/2014			Normal Day 05/11/2015			Deepawali Day 23/10/2014			Deepawali Day 11/11/2015		
Parameter → Location ↓	SO ₂	NO ₂	PM ₁₀	SO ₂	NO ₂	PM ₁₀	SO ₂	NO ₂	PM ₁₀	SO ₂	NO ₂	PM ₁₀
1. Near AIIMS Hospital, Raipur	20	26	147	13	20	108	23	35	246	20	30	158
2. Shankar Nagar, Raipur	21	33	187	15	29	128	26	38	273	22	33	168
3. Collectorate, Raipur (ON line)	9	17	234	16	31	149	24	39	295	21	36	177
4. Near City Kotwali, Raipur	-	-	-	23	35	162	-	-	-	25	39	204
Standards Limit	80	80	100	80	80	100	80	80	100	80	80	100
All Values of concentration are in µg/m ³ of air												

Regional Office - Raipur

Comparative of Ambient Noise Monitoring during Deepawali Year 2014 & 2015

Ambient Noise Monitoring during Deepawali									
Parameters Monitored									
Location→	Near AIIMS Hospital, Tatibandh, Raipur			Shankar Nagar, Raipur		Collectorate, Raipur		Near City Kotwali, Raipur	
Date →	15/10/2014	05/11/2015	15/10/2014	05/11/2015	15/10/2014	05/11/2015	15/10/2014	05/11/2015	
S.No.	Time Duration	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)
1.	18:00 hrs. to 19:00 hrs.	58.2	56.4	59.8	63.4	60.3	66.4	-	63.4
2.	19:00 hrs. to 20:00 hrs.	58.4	60.2	62.7	66.2	62.1	70.2	-	68.2
3.	20:00 hrs. to 21:00 hrs.	65.2	63.1	68.4	70.3	66.3	68.6	-	72.6
4.	21:00 hrs. to 22:00 hrs.	66.4	58.4	67.2	65.6	69.4	74.3	-	69.3
5.	22:00 hrs. to 23:00 hrs.	55.2	55.3	64.5	62.1	62.3	65.2	-	65.2
6.	23:00 hrs. to 24:00 hrs.	54.5	51.4	56.1	58.2	58.1	61.4	-	60.4
Average L equivalent dB (A)		59.65	57.4	63.11	64.3	63.08	67.6	-	66.5

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Parameters Monitored									
Location→	Near AIIMS Hospital, Tatibandh, Raipur			Shankar Nagar, Raipur		Collectorate, Raipur		Near City Kotwali, Raipur	
Date →		23/10/2014	11/11/2015	23/10/2014	11/11/2015	23/10/2014	11/11/2015	23/10/2014	11/11/2015
S.No.	Time Duration	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)	L equivalent dB (A)
1.	18:00 hrs. to 19:00 hrs.	89.3	70.1	73.8	80.5	78.0	72.1	-	80.5
2.	19:00 hrs. to 20:00 hrs.	90.1	85.2	75.3	88.0	82.8	80.1	-	85.1
3.	20:00 hrs. to 21:00 hrs.	90.0	86.1	94.3	89.6	97.3	98.2	-	100.5
4.	21:00 hrs. to 22:00 hrs.	92.0	100.3	89.4	106.8	99.0	99.0	-	110.4
5.	22:00 hrs. to 23:00 hrs.	74.9	71.8	91.5	92.0	89.7	82.4	-	88.6
6.	23:00 hrs. to 24:00 hrs.	67.4	61.0	90.9	74.3	86.5	66.2	-	70.2
Average L equivalent dB (A)		83.95	79.0	85.86	88.5	88.88	83.0	-	89.2