

### Noise Level Monitoring During Dipawali - 2015

City	Zone	Lmin Between (18:00 to 24:00 hrs)		Lmax Between (18:00 to 24:00 hrs)		Average equivalent sound level (Leq) in dB (A)	
		Normal Day	Deepawali Day	Normal Day	Deepawali Day	Normal Day	Deepawali Day
Bhopal	Commercial Area	65.3	63.7	71.1	86.8	67.8	73.3
	Residential Area	51.4	43.3	69.2	83.9	62.4	58.6
	Industrial Area	62.4	45.2	69.3	75.8	66	60.5
Indore	Commercial Area	48.9	68.4	88.8	110	75.6	99.2
	Residential Area	42.5	57.3	76.4	98.5	60.5	88.5
	Silence Area	48.7	65.2	85	110	76.2	95.2
Dhar	Residential Area	52.9		64.1			
Jabalpur	Commercial Area	39	42	65	108	56	77
	Residential Area	38	40	62	110	52	77
	Silence Area	37	42	61	109	54	77
Gwalior	Commercial Area	52.6	53.3	82.4	89.9	70.5	61.8
	Residential Area	52.2	44	79.8	76	69.5	65.8
	Silence Area	52.1	45.2	68.6	65.3	61.6	54.1
Guna	Commercial Area	45	45	64	102		
	Residential Area	40	40	44	96		
	Silence Area	38	40	44.2	94.5		
Sager	Commercial Area	49.15	38.83	100.07	101.91	72.56	72.42
	Residential Area		39.2		99		61.6
Ujjain	Residential Area	42.48	40.98	91.31	124.8	71.31	95.36
Katni	Commercial Area		45		75		60
	Residential Area		35		65		52
	Silence Area		36		56		46
	Industrial Area		48		76		62
Rewa	Commercial Area	62.3	65.2	69.5	105.6	63.1	
	Residential Area	47.6	56.8	67.2	96.6	55.1	
	Silence Area	48	55.1	55.3	81.3	50.3	
Singrouli	Commercial Area	41.2	39.5	99.7	110.7	58.06	77.65
	Residential Area	37.3	48.2	83.3	109.3	66.96	70.96
	Silence Area	39	49.2	90.8	106.8	58.01	68.36
Shahdol	Commercial Area	72.6	83.6	110.7	113.3	91.65	98.45
	Residential Area	71	68.5	110.6	107.5	90.8	88
	Silence Area	52.4	54.5	84	80	68.2	67.25
Nagda	Commercial Area	39.2	42.5	76.6	111.6	62.2	84.2
	Residential Area	43.3	41.7	64.7	115.9	57	85.6
	Silence Area	39.1	37.6	48.3	61.1	45.6	52
Satna	Commercial Area	54.6	70	70	94.6	64.26	77.8
	Residential Area	47.5	62.6	68.3	90.1	56.43	70.6
	Silence Area	43		66.3		60.65	
Chhindwara	Commercial Area	44.5	55.6	73.4	86.5	58.27	62.28
	Residential Area	45.7	50.2	60.7	82	49.16	55.8

AMBIENT AIR QUALITY MONITORING During Dipawali 2015							
City	Zone	Normal Day	Deepawali Day	Normal Day	Deepawali Day	Normal Day	Deepawali Day
		24 Hourly Average (RSPM) PM 10 ( $\mu\text{g}/\text{m}^3$ )		24 Hourly Average SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )		24 Hourly Average NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	
Bhopal	Commercial Area	180.6	303.3	2	4.7	15.7	29.8
	Residential Area	79	346.6	2	3.4	8.7	22.7
	Industrial Area	143.6	285.3	2	7.7	11.3	19.2
Indore	Commercial Area	115.83	259.46	11.93	31.3	24.24	43.9
	Residential Area	92	234.31	10.51	20.9	21.32	27.5
	Silence Area	118.43	368.8	12.15	32.6	20.65	45.8
Dhar	Commercial Area	116.01	409.67	7.95	13.2	19.44	28.48
	Silence Area	106.6	<b>471.13</b>	7.44	17.22	15.2	33.77
Ujjain	Commercial Area	120	160	13.2	16.4	14.2	17.3
	Residential Area	98	143	10.4	13.3	12.5	14.1
	Silence Area	107	141	11.5	15.3	12.4	16.2
Nagda	Commercial Area	64.3	114	10.1	19.1	20.6	42.3
	Residential Area	53.4	113.6	10.6	18	15.5	35.5
	Silence Area	33.1	43.3	3	14.5	11	19.3
Gwalior	Commercial Area	204.28	250.76	9.16	13.91	10.56	19.82
	Residential Area	178.51	188.78	7.29	13.91	10.56	19.82
	Silence Area		175.65		10.96		15.47
Jabalpur	Commercial Area	124	236	8.6	19.8	24.8	40.3
	Residential Area	111	246.6	2	10.6	25.5	38.6
Chhindwad	Commercial Area	90.06	115	2	7.5	29.3	35.88
	Residential Area	82.52	114.06	2	12.29	27.78	30.09
	Silence Area	108.6	222	2	20	24	40
Dewas	Commercial Area	90.93	182.06	16.6	29.3	22.2	33.4
	Residential Area	88.48	228.99	15.3	32	20.5	36.4
Singrouli	Commercial Area	75.78	120.19	11.85	20.23	21.62	31.65
	Residential Area	82.44	119.26	16.55	27.4	23.55	29.82
	Silence Area	74.57	120.14	12.57	19.96	18.86	24.29
	Industrial Area	82	181.43	14.57	25.62	24.42	40.79
Shahdol	Commercial Area	109.58	137.8	16.5	19.7	25.5	32.2
	Residential Area	47.65	54.73	11.6	16.1	16.3	21.9
	Silence Area	<b>56.92</b>	73.78	14.7	17	21.3	23.7
Sager	Commercial Area	136.61	209.56	4.41	6.57	17.09	24.98
	Residential Area	152.17	160.25	2.54	3.68	12.43	15.1
Guna	Commercial Area	211	393	20	27	26	32
	Residential Area	72	138				
	Silence Area	63	118				
Katni	Commercial Area		260				
	Residential Area		228				
	Industrial Area		134				

**REGIONAL OFFICE**  
**MADHYA PRADESH POLLUTION CONTROL BOARD**  
**E-5, Paryawaran Parisar, Arera Colony, Bhopal - 16**

**Fire Crackers Noise Level Monitoring Report 2015**

S.No.	Name of Shop/Vendor	Brand Name/Manufacturer	Manufacturer Address	Noise Level dB(AI)	Noise Limit dB(AI)
1	M/s Kalu Pataka Center halalpur, Bhopal	1. Commandor (Ratna's) Bomb.	Ratan Fireworks Shivakashi	118.2	125
		2. Mashal King Bomb (Tirumagan).	Tirumugan Fireworks, Shivakashi	119.6	125
		3. Classic Bomb (Gurushakti).	Guru Shakti Fireworks, Shivakashi	118.4	125
		4. King Bomb (Kaja)	Kaja Fireworks, Shivakashi	123	125
		5. Deluxe Bullet Bomb (Kartikas).	Kartikas Fireworks, Shivakashi	122.1	125
		6. Guru Shakti Bullet Bomb.	Guru Shakti Fireworks, Shivakashi	117.8	125
2	M/s Deepak Traders, Shop No. 12, halalpur, Bhopal	1. Anil Junglee Bomb.	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	120.9	125
		2. Commando Classic Bomb.		120.5	125
		3. Bullet Bomb (Madura).	Madura Fireworks, Shivakashi	120.3	125
		4. Dynamite (Anil).	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	124.1	125
		5. Bullet Bomb (Karhika's).	Kartikas Fireworks, Shivakashi	121.4	125
		6. Gems Hydro Bomb.		122	125
		7. King Bomb (Thiruselvi's).	Tiruselvi Fireworks, Shivakashi	119.7	125
3	M/s Kalu Pataka Center halalpur Bairagarh, Bhopal	1. Super Deluxe (Manish).	Nagina Fireworks, Industry Ratua	124.3	125
		2. Dynamate Bomb (Anil).	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	119.1	125
		3. Anil Junglee Bomb.	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	118.3	125

4	M/s Bhwani Phataka Centre, Shop No.2, Phataka Market Halalpur, Bhopal	1. Hydro Bomb.	Aditya Fireworks, Shivakashi	119.4	125
		2. Classic Bomb.	Shri Jyoti Fireworks, Shivakashi	115.5	125
		3. Anil Dynamate Green.	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	117.9	125
		4. Bullet Bomb.	The Rathna Fireworks, Shivakashi	114	125
5	M/s Mehta Fireworks Shop No. 4, Phataka Market Halalpur, Bhopal	1. Anil Deluxe .	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	116.6	125
		2. Cock mini Bullet.	Kailash Fireworks Pvt. Ltd. 5-A, Chairman A Shunmuga Nanda Road, Shivakashi	118.3	125
		3. Rajesh Atom Bomb.	Rajesh Fireworks, Shivakashi	115.9	125
		4. Anil Dynamate Bomb Green.	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	120.6	125
6	M/s M.P. Fireworks, Shop No.8, Phataka Market Halalpur Bhopal.	1. Hydro Bomb.	Aditya Fireworks, Shivakashi	117.4	125
		2. Atom Bomb (Shri Arumugam).	Shri Arumugam Fireworks, Shivakashi	121.3	125
		3. Shaktiman Bomb (Laxmi).	Laxmi Fireworks, Shivakashi	123.1	125
		4. Dynamate Bomb (Anil).	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	115.2	125
		5. Deluxe Bomb (Anil).	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	114	125
7	M/s Jain Phataka House, Shop No. 8, Phataka Market, Bhopal	1. Junglee Bomb (Anil).	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	113.6	125
		2. Classic Bomb (Manju Kutti).	Manju Kutti Fireworks, Shivakashi	123.3	125
		3. Shaktiman Bomb (Laxmi).	Laxmi Fireworks, Shivakashi	119.5	125
		4. Dynamite (Anil).	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	120.7	125
		5. Deluxe Bomb (Anil).	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	111.9	125
8	M/s National Fireworks, Shop No. 10, Phataka Market, Bhopal	1. Classic Bomb (Raju Kanna's).	Raju Kanna Fireworks, Shivakashi	122.6	125
		2. Arjun Bomb (Orient).	Orient Fireworks, Shivakashi	122.4	125
		3. Dynamite (Anil).	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi	114.6	125
		4. Bullet (Senthil).	Senthil Fireworks, Shivakashi	117	125
		5. Hon kong (Orient)	Orient Fireworks, Shivakashi	119.6	125

9	M/s Indian Fireworks, Shop No.9, Phataka Market, Halalpur, Bhopal	1. Anil Dynamte.	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi		121.4	125
		2. Masti Classic (Muthai's).	Muthai Fireworks, Shivakashi		115.7	125
		3. Classic Bomb (Sakka Devi).	Sakka Devi Fireworks, Shivakashi		116	125
		4. Hydro Bomb (Sakka Devi).	Sakka Devi Fireworks, Shivakashi		117.6	125
10	M/s Mahadev Fireworks, Shop No.7, Phataka Market, Halalpur, Bhopal	1. Junglee Bomb (Anil).			118.3	125
		2. Classic Bomb (Thiruselvis).	Thiruselvi Fireworks, Shivakashi		120	125
		3. King of King (Thiruselvis).	Thiruselvi Fireworks, Shivakashi		116.2	125
		4. Dynamate (Anil).	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi		117.9	125
		5. Kar kil Bomb (Radhika).	Radhika Fireworks, Factory Shivakashi		120.5	125
		6. Hydro (Deepam).	Radhika Fireworks, Factory Shivakashi		118.7	125
		7. Classic (Shri Surya)	Shri Surya Fireworks, 3/82, South Street Bilampatti Pvt. Shivakashi		119.9	125
11	M/s Jai Durga Fireworks, Shop No.5, Phataka Market, Halalpur, Bhopal	1. Bullet Bomb (Deepika)	Shri Pharani Fireworks Factory, Shivakashi		121	125
		2. Atom Bomb (Anil).			115.4	125
		3. Nazim (Senthil).	Senthil Fireworks, Shivakashi		117.7	125
		4. King of King (Sakkadevi).	Sakka Devi Fireworks, Shivakashi		118.6	125
		5. Dynamate (Anil).	Anil Fireworks Industry, 5 AVT. Padi Salai Street, Shivakashi		114.7	125
		6. Shaktiman (Laxmi).	Laxmi Fireworks, Shivakashi		118.5	125
		7. Classic (Sakkadevi)	Sakka Devi Fireworks, Shivakashi		117.7	125

