

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2023)

Sr. No.	Location	Parameters					
		Duration	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x (ppb)	NH ₃ ($\mu\text{g}/\text{m}^3$)
1	Anuppur, Collectorate	Pre Diwali	55.82	38.73	15.25	13.88	NA
		Diwali Day	38.32	73.57	15.41	13.72	NA
		Post Diwali	57.71	92.39	21.01	15.69	NA
2	Betul , Collector Office	Pre Diwali	82.32	152.66	32.01	29.31	NA
		Diwali Day	87.65	112.36	32.11	31.82	NA
		Post Diwali	87.82	119.89	31.96	27.81	NA
3	Bhopal, Collectorate Office	Pre Diwali	73.35	128.65	15.96	13.13	18.58
		Diwali Day	137.03	183.71	19.74	12.93	23.96
		Post Diwali	157.97	179.36	20.73	16.19	23.69
4	Bhopal, Paryavaran Parisar	Pre Diwali	72.07	124.95	8.71	17.47	13.17
		Diwali Day	125.40	164.56	11.30	31.75	12.75
		Post Diwali	198.72	260.75	12.25	48.74	13.40
5	Bhopal, T T Nagar	Pre Diwali	62.86	149.64	29.05	18.83	11.20
		Diwali Day	133.42	217.35	30.30	22.27	12.72
		Post Diwali	166.41	220.55	32.30	29.52	12.88
6	Damoh, Shrivastav Colony	Pre Diwali	30.44	59.11	21.71	8.57	NA
		Diwali Day	23.93	52.44	21.90	8.54	NA
		Post Diwali	22.52	57.54	22.12	8.59	NA
7	Dewas, Bhopal Chauraha	Pre Diwali	61.57	109.48	28.30	3.01	4.12
		Diwali Day	108.50	157.96	32.45	3.54	4.65
		Post Diwali	89.09	128.88	26.79	12.03	12.57
8	Dewas, Govt. MG Hospital	Pre Diwali	93.35	162.80	19.57	45.89	NA
		Diwali Day	86.68	104.09	27.35	35.16	NA
		Post Diwali	110.62	147.40	21.17	27.88	NA
9	Gwalior, City Center	Pre Diwali	55.98	83.15	24.33	2.01	7.63
		Diwali Day	80.86	128.42	28.25	1.96	7.71
		Post Diwali	223.64	275.65	16.71	2.01	7.90
10	Gwalior, DD Nagar	Pre Diwali	59.20	126.29	12.45	12.56	37.13
		Diwali Day	100.19	156.50	18.87	14.95	29.25
		Post Diwali	262.68	360.81	19.09	31.35	43.98
11	Gwalior, Maharaj bada	Pre Diwali	41.48	135.79	10.51	12.82	34.52
		Diwali Day	69.42	181.05	26.42	22.86	23.47
		Post Diwali	261.43	354.83	22.07	24.28	7.80
12	Gwalior, Phool Bagh	Pre Diwali	47.54	68.71	28.15	NA	NA
		Diwali Day	70.48	101.63	28.97	NA	NA
		Post Diwali	229.98	276.08	32.99	NA	NA

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2023)

Sr. No.	Location	Parameters					
		Duration	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x (ppb)	NH ₃ ($\mu\text{g}/\text{m}^3$)
13	Indore, Airport Area	Pre Diwali	NA	21.62	3.92	5.36	0.18
		Diwali Day	NA	39.09	4.57	4.05	0.18
		Post Diwali	NA	65.75	4.30	5.58	0.19
14	Indore, Chhoti Gwaltoli	Pre Diwali	135.52	233.82	18.56	34.46	16.65
		Diwali Day	117.76	165.65	32.59	24.81	11.25
		Post Diwali	130.84	173.66	16.96	51.20	26.39
15	Indore, Regional Park	Pre Diwali	80.77	129.31	3.81	19.57	NA
		Diwali Day	58.35	90.95	1.55	21.67	NA
		Post Diwali	55.17	88.26	1.50	11.41	NA
16	Indore, Regional Park N Nigam	Pre Diwali	26.13	54.68	47.86	7.71	0.35
		Diwali Day	28.05	51.88	43.88	6.79	0.29
		Post Diwali	53.92	104.25	43.16	7.17	0.37
17	Indore, Residency Area	Pre Diwali	53.98	57.29	26.21	0.54	1.10
		Diwali Day	28.84	46.24	25.11	0.35	0.31
		Post Diwali	NA	64.67	24.48	0.32	0.27
18	Jabalpur, Marhatal	Pre Diwali	98.33	215.91	6.99	41.51	11.92
		Diwali Day	144.95	241.69	6.09	22.16	12.72
		Post Diwali	157.21	238.29	13.20	27.73	5.66
19	Katni, Gole Bazar	Pre Diwali	98.03	212.02	29.50	29.47	13.29
		Diwali Day	125.82	220.16	15.06	23.18	13.96
		Post Diwali	162.74	276.55	14.07	50.44	16.73
20	Katni, Regional Office	Pre Diwali	20.05	61.48	10.02	18.02	NA
		Diwali Day	20.25	61.95	10.11	18.21	NA
		Post Diwali	20.11	61.61	10.05	18.10	NA
21	Khandwa, Lok Seva Kendra	Pre Diwali	64.80	76.57	45.04	35.04	0.53
		Diwali Day	77.97	102.33	50.22	44.66	1.80
		Post Diwali	133.98	153.14	49.34	38.50	0.24
22	Khargone, Nagar Palika	Pre Diwali	NA	137.89	16.35	NA	NA
		Diwali Day	NA	186.55	14.38	NA	NA
		Post Diwali	NA	118.58	15.24	NA	NA
23	Maihar , Sharda Temple	Pre Diwali	74.07	131.10	11.60	36.56	NA
		Diwali Day	58.54	100.82	10.76	29.07	NA
		Post Diwali	64.29	112.03	11.01	26.10	NA
24	Mandideep, Sector New Industrial Area	Pre Diwali	44.99	104.79	38.83	39.83	29.41
		Diwali Day	71.74	130.88	72.34	34.41	29.37
		Post Diwali	95.75	197.93	40.28	34.13	42.59

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2023)

Sr. No.	Location	Parameters					
		Duration	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x (ppb)	NH ₃ ($\mu\text{g}/\text{m}^3$)
25	Pithampur, Sector-2 Industrial Area	Pre Diwali	59.35	148.05	14.64	5.75	7.74
		Diwali Day	59.08	113.82	14.05	6.66	8.18
		Post Diwali	112.84	168.79	14.05	11.54	11.61
26	Ratlam, Shathri Nagar	Pre Diwali	54.78	147.73	9.76	34.23	NA
		Diwali Day	125.75	122.89	12.20	34.19	NA
		Post Diwali	105.20	195.12	13.49	35.18	NA
27	Rewa, Collector Office	Pre Diwali	37.24	96.68	2.08	24.61	NA
		Diwali Day	42.19	99.40	7.87	36.69	NA
		Post Diwali	121.07	131.02	0.50	53.53	NA
28	Rewa, Regional Office	Pre Diwali	123.56	152.73	NA	57.91	NA
		Diwali Day	63.99	195.31	NA	60.55	NA
		Post Diwali	58.63	214.85	NA	60.37	NA
29	Sagar, Collectorate Office	Pre Diwali	86.31	156.39	9.56	13.20	22.43
		Diwali Day	106.23	153.38	6.57	12.90	21.69
		Post Diwali	73.50	107.39	5.86	11.18	28.31
30	Sagar, Deen Dayal Nagar	Pre Diwali	25.07	62.33	6.80	14.90	NA
		Diwali Day	38.30	197.96	7.11	14.92	NA
		Post Diwali	39.08	192.72	7.03	15.09	NA
31	Satna, Bandhavgar Colony	Pre Diwali	25.01	256.99	6.74	26.46	NA
		Diwali Day	24.94	220.54	6.33	26.44	NA
		Post Diwali	25.00	223.34	6.64	26.41	NA
32	Singrauli, Surya Kiran Bhawan Dudhichua	Pre Diwali	69.26	133.21	25.55	40.42	14.12
		Diwali Day	93.43	217.60	49.60	28.26	23.73
		Post Diwali	83.56	145.64	41.03	33.12	17.40
33	Singrauli, Trauma Centre Waidhan	Pre Diwali	108.60	223.88	13.99	10.43	NA
		Diwali Day	215.03	323.95	14.07	5.90	NA
		Post Diwali	133.46	210.90	13.77	6.41	NA
34	Ujjain, Mahakaleshwar Temple	Pre Diwali	69.22	156.22	11.40	10.66	27.50
		Diwali Day	120.96	200.65	37.44	15.36	23.44
		Post Diwali	131.79	206.59	19.35	11.52	27.85

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2022)

Sr. No.	Location	Parameters					
		Duration	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x (ppb)	NH ₃ ($\mu\text{g}/\text{m}^3$)
01	Betul , Collector Office	Pre Diwali	70.49	108.89	66.07	4.63	4.63
		Diwali Day	78.88	123.63	66.36	4.69	4.69
		Post Diwali	81.27	125.90	66.32	4.65	4.65
02	Bhopal, Paryavaran Parisar	Pre Diwali	85.48	122.56	5.33	13.32	21.43
		Diwali Day	115.68	150.59	6.38	18.48	22.66
		Post Diwali	164.64	240.40	5.32	23.52	28.96
03	Bhopal, T T Nagar	Pre Diwali	57.16	196.40	20.63	17.03	13.16
		Diwali Day	88.49	209.07	24.65	14.22	13.48
		Post Diwali	95.09	198.05	24.91	11.29	16.22
04	Damoh, Shrivastav Colony	Pre Diwali	18.00	42.00	18.65	12.95	NA
		Diwali Day	NA	NA	16.49	12.94	NA
		Post Diwali	NA	NA	NA	NA	NA
05	Dewas, Bhopal Chauraha	Pre Diwali	28.80	137.48	12.98	11.81	20.78
		Diwali Day	55.71	196.09	18.47	13.97	22.75
		Post Diwali	73.08	177.00	26.74	13.02	24.24
06	Dewas, Govt. MG Hospital	Pre Diwali	15.64	37.98	78.18	31.04	NA
		Diwali Day	15.64	37.98	91.27	32.37	NA
		Post Diwali	15.64	37.98	97.34	29.20	NA
07	Gwalior, City Center	Pre Diwali	113.42	198.76	28.49	34.16	16.67
		Diwali Day	128.71	201.18	25.81	22.21	17.60
		Post Diwali	101.88	156.62	22.83	15.03	14.42
08	Gwalior, Maharaj bada	Pre Diwali	145.12	376.55	46.31	32.90	40.00
		Diwali Day	138.96	305.80	20.15	24.48	22.69
		Post Diwali	140.77	248.12	17.15	19.58	39.94
09	Indore, Chhoti Gwaltoli	Pre Diwali	56.94	252.33	21.45	119.14	23.84
		Diwali Day	58.79	198.00	40.03	71.68	22.49
		Post Diwali	108.72	196.11	31.39	55.24	24.43
10	Jabalpur, Marhatal	Pre Diwali	59.55	149.45	22.15	28.00	15.12
		Diwali Day	133.58	202.69	30.07	39.39	18.39
		Post Diwali	132.11	204.27	43.01	24.37	20.91
11	Katni, Gole Bazar	Pre Diwali	69.54	182.35	6.53	16.55	12.89
		Diwali Day	96.60	159.97	4.69	15.45	10.78
		Post Diwali	124.88	213.67	9.39	17.98	9.14
12	Katni, Regional Office	Pre Diwali	55.68	175.61	6.41	28.18	NA
		Diwali Day	55.66	154.73	5.53	26.36	NA
		Post Diwali	87.96	144.93	11.77	22.72	NA

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2022)

Sr. No.	Location	Parameters					
		Duration	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x (ppb)	NH ₃ ($\mu\text{g}/\text{m}^3$)
13	Maihar , Sharda Temple	Pre Diwali	18.23	50.42	8.60	27.24	NA
		Diwali Day	16.41	39.12	8.76	25.85	NA
		Post Diwali	22.86	54.79	8.62	25.49	NA
14	Mandideep, Sector New Industrial Area	Pre Diwali	35.76	155.48	112.82	49.58	21.77
		Diwali Day	55.24	217.39	128.25	41.89	21.55
		Post Diwali	53.79	178.84	35.77	35.18	22.67
15	Narsinghpur, District Education Office	Pre Diwali	NA	167.91	11.07	43.76	NA
		Diwali Day	NA	143.14	10.70	31.16	NA
		Post Diwali	NA	142.20	10.95	30.48	NA
16	Pithampur, Sector-2 Industrial Area	Pre Diwali	59.95	167.90	12.20	7.78	9.18
		Diwali Day	39.64	113.44	11.74	5.06	8.95
		Post Diwali	53.90	129.43	12.02	4.28	12.63
17	Ratlam, Shathri Nagar	Pre Diwali	58.08	164.40	33.50	35.13	NA
		Diwali Day	129.28	191.54	31.64	35.00	NA
		Post Diwali	117.73	159.79	33.73	38.46	NA
18	Rewa, Collector Office	Pre Diwali	23.41	33.87	11.94	36.15	NA
		Diwali Day	67.03	124.83	20.64	43.18	NA
		Post Diwali	90.35	176.77	20.85	42.08	NA
19	Rewa, Regional Office	Pre Diwali	36.82	51.48	14.15	55.10	NA
		Diwali Day	35.31	70.57	17.88	55.10	NA
		Post Diwali	NA	NA	NA	NA	NA
20	Sagar, Collectorate Office	Pre Diwali	50.53	122.10	5.71	10.70	10.91
		Diwali Day	88.09	161.46	10.38	14.20	11.13
		Post Diwali	77.75	130.37	2.83	8.21	12.94
21	Sagar, Deen Dayal Nagar	Pre Diwali	28.48	162.73	10.16	7.96	NA
		Diwali Day	20.87	198.28	7.65	7.87	NA
		Post Diwali	21.13	105.45	7.48	7.92	NA
22	Satna, Satna Cement Works	Pre Diwali	11.14	43.82	5.44	14.01	NA
		Diwali Day	11.13	30.11	6.56	13.98	NA
		Post Diwali	11.13	32.75	7.36	14.01	NA
23	Singrauli, Surya Kiran Bhawan Dudhichua	Pre Diwali	73.66	184.18	24.40	89.48	33.68
		Diwali Day	82.83	152.50	16.58	79.31	34.24
		Post Diwali	62.40	134.44	8.02	76.98	37.36
24	Ujjain, Mahakaleshwar Temple	Pre Diwali	80.59	179.15	11.61	20.70	35.73
		Diwali Day	120.64	166.47	31.57	20.92	37.68
		Post Diwali	79.54	117.47	12.91	15.06	39.81

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2021)

Sr. No.	Location	Parameters					
		Duration	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x (ppb)	NH ₃ ($\mu\text{g}/\text{m}^3$)
1	Anuppur, Collectorate	Pre Diwali	49.57	48.34	3.67	11.21	NA
		Diwali Day	46.88	52.08	4.18	11.24	NA
		Post Diwali	40.54	44.82	4.88	11.28	NA
2	Bhopal, T T Nagar	Pre Diwali	95.42	218.19	23.62	42.06	15.25
		Diwali Day	111.63	167.95	32.57	26.86	13.44
		Post Diwali	136.29	200.86	33.47	48.59	15.05
3	Damoh, Shrivastav Colony	Pre Diwali	44.91	39.68	19.49	25.30	NA
		Diwali Day	41.56	35.23	19.73	25.21	NA
		Post Diwali	50.16	42.86	20.06	25.29	NA
4	Dewas, Bhopal Chauraha	Pre Diwali	31.60	72.53	13.47	14.80	19.52
		Diwali Day	43.66	92.37	16.70	14.49	21.96
		Post Diwali	44.42	79.77	17.79	11.71	24.55
5	Gwalior, City Center	Pre Diwali	93.30	158.68	19.56	36.68	20.74
		Diwali Day	102.44	124.72	26.02	23.95	18.58
		Post Diwali	200.32	242.76	19.27	27.54	20.34
6	Gwalior, Phool Bagh	Pre Diwali	94.20	77.76	16.24	NA	NA
		Diwali Day	120.88	70.52	11.54	NA	NA
		Post Diwali	196.28	67.50	10.29	NA	NA
7	Indore, Chhoti Gwaltoli	Pre Diwali	105.54	169.41	19.24	112.07	27.06
		Diwali Day	103.72	160.00	40.07	119.61	29.59
		Post Diwali	144.82	196.47	50.12	136.40	30.20
8	Jabalpur, Marhatal	Pre Diwali	79.19	199.80	7.28	47.18	24.19
		Diwali Day	101.94	223.77	24.51	39.98	24.95
		Post Diwali	126.35	225.80	21.89	38.81	20.04
9	Katni, Gole Bazar	Pre Diwali	117.31	305.63	15.55	43.10	20.72
		Diwali Day	101.06	223.65	12.98	28.72	25.93
		Post Diwali	122.00	200.12	15.72	34.99	21.30
10	Katni, Regional Office	Pre Diwali	97.66	242.31	4.98	57.78	NA
		Diwali Day	84.34	224.22	4.58	51.46	NA
		Post Diwali	66.86	228.88	4.81	39.78	NA
11	Mandideep, Sector New Industrial Area	Pre Diwali	77.45	211.10	164.87	47.19	20.55
		Diwali Day	62.34	157.88	136.90	27.38	17.79
		Post Diwali	94.13	191.41	72.74	28.58	21.83
12	Pithampur, Sector-2 Industrial Area	Pre Diwali	71.23	111.29	28.60	14.27	21.93
		Diwali Day	82.03	125.94	31.34	13.92	22.43
		Post Diwali	137.88	185.28	30.22	16.88	22.51

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2021)

Sr. No.	Location	Parameters					
		Duration	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x (ppb)	NH ₃ ($\mu\text{g}/\text{m}^3$)
13	Ratlam, Shathri Nagar	Pre Diwali	52.18	125.10	7.63	28.73	NA
		Diwali Day	80.77	157.76	7.85	24.22	NA
		Post Diwali	55.49	124.77	8.35	22.26	NA
14	Rewa, Collector Office	Pre Diwali	30.14	98.08	8.18	22.21	NA
		Diwali Day	39.62	111.59	7.26	22.04	NA
		Post Diwali	29.68	98.22	6.41	22.10	NA
15	Rewa, Regional Office	Pre Diwali	52.18	75.20	3.63	16.69	NA
		Diwali Day	43.20	88.49	3.84	16.69	NA
		Post Diwali	60.71	88.61	3.99	16.79	NA
16	Sagar, Deen Dayal Nagar	Pre Diwali	26.05	204.94	7.13	17.55	NA
		Diwali Day	28.93	223.48	7.13	17.53	NA
		Post Diwali	41.32	143.85	8.26	17.60	NA
17	Satna, Satna Cement Works	Pre Diwali	19.06	71.31	17.37	20.95	NA
		Diwali Day	28.30	87.93	17.53	21.13	NA
		Post Diwali	42.67	89.05	18.25	21.81	NA
18	Singrauli, Surya Kiran Bhawan Dudhichua	Pre Diwali	74.54	202.45	73.03	57.99	45.69
		Diwali Day	111.14	211.98	69.10	49.55	48.08
		Post Diwali	115.90	210.39	36.25	38.54	43.22
19	Ujjain, Mahakaleshwar Temple	Pre Diwali	69.15	137.88	8.85	16.85	24.18
		Diwali Day	105.96	172.45	31.49	18.24	16.67
		Post Diwali	104.00	172.98	12.94	13.70	21.04

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2020)

Sr. No.	Location	Parameters					
		Duration	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x (ppb)	NH ₃ ($\mu\text{g}/\text{m}^3$)
1	Anuppur, Collectorate	Pre Diwali	43.39	96.20	18.59	11.10	NA
		Diwali Day	37.35	68.99	18.22	10.98	NA
		Post Diwali	53.35	81.17	18.13	11.14	NA
2	Bhopal, T T Nagar	Pre Diwali	73.10	178.21	12.00	32.82	29.15
		Diwali Day	86.77	161.36	29.35	19.91	25.07
		Post Diwali	101.72	157.79	23.61	14.90	16.94
3	Damoh, Shrivastav Colony	Pre Diwali	49.09	85.76	32.45	25.34	NA
		Diwali Day	67.06	103.68	32.14	25.29	NA
		Post Diwali	54.03	95.93	32.07	25.30	NA
4	Dewas, Bhopal Chauraha	Pre Diwali	57.79	103.73	9.09	18.55	32.16
		Diwali Day	87.33	127.73	11.38	17.01	31.69
		Post Diwali	44.47	75.01	11.41	11.40	33.88
5	Gwalior, City Center	Pre Diwali	149.16	238.91	20.71	57.63	34.19
		Diwali Day	155.86	206.64	25.20	30.57	29.76
		Post Diwali	115.42	155.64	24.98	13.34	30.44
6	Gwalior, Phool Bagh	Pre Diwali	171.56	274.01	28.21	103.21	NA
		Diwali Day	251.07	313.04	26.49	83.45	NA
		Post Diwali	228.80	262.49	25.01	40.35	NA
7	Indore, Chhoti Gwaltoli	Pre Diwali	72.44	141.20	10.44	40.68	19.68
		Diwali Day	89.00	125.60	23.71	55.87	18.52
		Post Diwali	113.89	176.64	30.65	53.27	17.50
8	Jabalpur, Marhatal	Pre Diwali	56.83	136.15	8.76	31.98	19.65
		Diwali Day	71.92	148.79	13.82	19.75	18.73
		Post Diwali	105.97	162.79	10.13	16.23	15.42
9	Katni, Gole Bazar	Pre Diwali	58.38	124.55	7.93	17.31	24.73
		Diwali Day	90.22	167.78	8.29	17.29	25.04
		Post Diwali	92.78	158.14	7.89	15.01	31.46
10	Maihar , Sharda Temple	Pre Diwali	22.23	41.35	11.47	11.48	NA
		Diwali Day	31.84	55.80	11.44	11.12	NA
		Post Diwali	28.47	47.79	11.46	11.69	NA
11	Mandideep, Sector New Industrial Area	Pre Diwali	50.38	86.82	22.91	45.11	26.20
		Diwali Day	59.26	77.71	27.82	27.03	21.41
		Post Diwali	39.02	65.80	28.10	21.63	15.78
12	Neemuch, Civil Hospital	Pre Diwali	113.67	130.67	6.59	9.39	NA
		Diwali Day	NA	NA	NA	NA	NA
		Post Diwali	180.26	209.66	8.94	11.78	NA

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2020)

Sr. No.	Location	Parameters					
		Duration	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO _x (ppb)	NH ₃ (µg/m ³)
13	Pithampur, Sector-2 Industrial Area	Pre Diwali	72.26	125.99	19.88	14.08	32.98
		Diwali Day	58.93	85.81	12.43	8.23	29.94
		Post Diwali	36.21	60.74	10.99	6.59	17.42
14	Ratlam, Shathri Nagar	Pre Diwali	64.11	176.79	4.48	15.54	NA
		Diwali Day	128.86	228.00	5.12	15.77	NA
		Post Diwali	86.54	190.55	4.86	15.72	NA
15	Sagar, Deen Dayal Nagar	Pre Diwali	46.65	84.88	4.21	NA	NA
		Diwali Day	50.75	72.72	4.73	NA	NA
		Post Diwali	55.56	87.18	4.84	NA	NA
16	Satna, Satna Cement Works	Pre Diwali	16.68	57.56	8.39	7.28	NA
		Diwali Day	17.24	60.20	8.44	7.31	NA
		Post Diwali	17.19	57.74	8.44	7.32	NA
17	Singrauli, Surya Kiran Bhawan Dudhichua	Pre Diwali	93.17	214.92	115.40	30.33	11.41
		Diwali Day	116.63	244.84	78.81	27.99	11.87
		Post Diwali	116.30	214.23	75.44	21.71	12.55
18	Ujjain, Mahakaleshwar Temple	Pre Diwali	64.72	117.05	7.90	12.03	27.15
		Diwali Day	136.87	201.80	28.20	16.26	24.90
		Post Diwali	123.90	187.56	14.62	18.66	25.99

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2019)

Sr. No.	Location	Parameters					
		Duration	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x (ppb)	NH ₃ ($\mu\text{g}/\text{m}^3$)
1	Bhopal, T T Nagar	Pre Diwali	55.08	114.34	12.37	20.92	15.86
		Diwali Day	70.83	98.83	13.03	22.93	14.19
		Post Diwali	67.00	96.21	13.05	13.49	13.05
2	Dewas, Bhopal Chauraha	Pre Diwali	38.09	86.76	17.35	10.15	15.57
		Diwali Day	24.22	39.21	10.41	8.52	16.98
		Post Diwali	14.59	26.73	10.55	6.14	15.65
3	Indore, Chhoti Gwaltoli	Pre Diwali	43.25	87.22	2.82	36.15	20.88
		Diwali Day	38.14	55.47	4.17	35.53	20.18
		Post Diwali	28.46	47.84	4.89	25.35	16.47
4	Jabalpur, Marhatal	Pre Diwali	22.76	56.29	6.23	11.03	13.43
		Diwali Day	100.53	174.96	15.86	28.52	15.08
		Post Diwali	75.69	113.43	12.94	16.00	17.60
5	Katni, Gole Bazar	Pre Diwali	37.31	76.26	14.43	23.29	10.68
		Diwali Day	81.28	131.12	10.97	21.13	13.74
		Post Diwali	113.18	118.07	14.53	21.39	18.17
6	Maihar , Sharda Temple	Pre Diwali	30.12	69.03	7.07	13.25	NA
		Diwali Day	40.83	98.98	7.03	12.37	NA
		Post Diwali	48.75	116.89	6.97	13.69	NA
7	Mandideep, Sector New Industrial Area	Pre Diwali	21.04	82.97	25.34	9.71	17.45
		Diwali Day	28.18	67.71	20.05	9.08	19.34
		Post Diwali	24.08	51.13	21.15	7.31	21.53
8	Pithampur, Sector-2 Industrial Area	Pre Diwali	46.95	91.00	10.51	6.74	18.52
		Diwali Day	30.59	46.09	7.22	5.45	17.91
		Post Diwali	27.29	41.14	6.78	4.66	14.07
9	Satna, Bandhavgar Colony	Pre Diwali	19.70	53.61	34.85	28.17	NA
		Diwali Day	14.46	185.28	35.17	35.98	NA
		Post Diwali	18.27	191.39	34.49	31.85	NA
10	Singrauli, Surya Kiran Bhawan Dudhichua	Pre Diwali	29.28	79.17	42.24	35.92	28.09
		Diwali Day	114.95	187.50	113.00	77.31	34.24
		Post Diwali	104.83	232.25	51.02	72.63	44.43
11	Ujjain, Mahakaleshwar Temple	Pre Diwali	46.65	92.99	5.82	8.36	22.98
		Diwali Day	64.49	104.13	6.25	8.10	22.58
		Post Diwali	26.86	55.39	5.46	5.68	21.19

*NA - Not Available