

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2025)							
Sr. No.	Location	Parameters					
		Duration	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	SO ₂ (µg/m³)	NO _x (ppb)	NH ₃ (µg/m³)
1	Anuppur, Collectorate	Pre Diwali	39.42	70.83	5.65	6.64	NA
		Diwali Day	49.47	84.72	5.48	6.7	NA
		Post Diwali	39.05	63.01	5.51	6.78	NA
2	Betul , Collector Office	Pre Diwali	NA	106.79	26.76	89.38	NA
		Diwali Day	NA	124.68	12.67	116.78	NA
		Post Diwali	NA	104.33	12.73	140.3	NA
3	Bhopal, Collectorate Office	Pre Diwali	85.84	174.98	9.87	11.1	20.66
		Diwali Day	116	171.32	14.07	14.03	19.83
		Post Diwali	124.7	138.81	16.46	10.84	23.12
4	Bhopal, Paryavaran Parisar	Pre Diwali	87.42	167.5	11.05	25.57	29.52
		Diwali Day	92.31	172.95	9.05	30	24.54
		Post Diwali	107.65	155.37	11.81	20.1	22.79
5	Bhopal, T T Nagar	Pre Diwali	74.21	171.35	8.56	17.87	22.53
		Diwali Day	63.76	162.54	8.27	16.41	22.05
		Post Diwali	137.42	166.56	10	16.92	22.98
6	Damoh, Shrivastav Colony	Pre Diwali	39.58	48.46	29.4	11.19	NA
		Diwali Day	60.53	70.72	29.81	11.17	NA
		Post Diwali	54.55	63.8	29.84	11.19	NA
7	Dewas, Bhopal Chauraha	Pre Diwali	70.13	108.23	27.94	55.86	19.68
		Diwali Day	67.48	110.62	35.58	48.52	17.49
		Post Diwali	74.65	118.9	26	41.08	23.66
8	Dewas, Govt. MG Hospital	Pre Diwali	37.56	95.58	57.33	23.35	NA
		Diwali Day	54.59	161.04	56.76	23.65	NA
		Post Diwali	69.8	130.46	56.09	23.99	NA
9	Gwalior, City Center	Pre Diwali	57.3	135.41	10.88	25.28	13.21
		Diwali Day	92.69	169.22	16.21	15.47	11.68
		Post Diwali	137.49	203.62	15.39	14.41	13.23
10	Gwalior, DD Nagar	Pre Diwali	87.95	208.51	22.3	24.08	37.6
		Diwali Day	104.3	181.71	20.98	19.39	38.81
		Post Diwali	184.07	248.78	34.19	16.02	34.5
11	Gwalior, Maharaj bada	Pre Diwali	89.45	200.33	8.07	26.69	15.72
		Diwali Day	106.55	210.11	16.89	30.01	15.08
		Post Diwali	157.79	207.69	7.85	22.07	14.66
12	Indore, Airport Area	Pre Diwali	39.8	84.9	15.64	9.01	NA
		Diwali Day	65.34	136.05	15.66	9.01	NA
		Post Diwali	118.83	213.36	15.97	9.01	0.14
13	Indore, Chhoti Gwaltoli	Pre Diwali	95.6	153.47	14.8	43.22	15.85
		Diwali Day	128.96	201.03	19.31	44.13	19.72
		Post Diwali	144.12	209.5	25.22	38.84	14.65

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2025)							
Sr. No.	Location	Parameters					
		Duration	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	SO ₂ (µg/m³)	NO _x (ppb)	NH ₃ (µg/m³)
14	Indore, Maguda Nagar	Pre Diwali	NA	46.53	35.9	0.97	1.74
		Diwali Day	NA	NA	NA	NA	NA
		Post Diwali	NA	NA	NA	NA	NA
15	Indore, Regional Park N Nigam	Pre Diwali	36.38	73.08	17.56	16.38	2.82
		Diwali Day	38	79.11	17.81	14.4	2.43
		Post Diwali	55.44	110.32	17.38	14.12	2.83
16	Indore, Residency Area	Pre Diwali	46.04	83.08	23.49	14.3	0.81
		Diwali Day	62.61	117.71	25.97	13.86	0.74
		Post Diwali	82.88	157.73	25.5	13.9	0.76
17	Jabalpur, Govindh Bhavan Colony	Pre Diwali	43.88	76.72	11.57	15.07	4.96
		Diwali Day	57.7	94.09	11.38	14.28	4.87
		Post Diwali	45.47	72.13	8.45	12.33	3.42
18	Jabalpur, Gupteshwar	Pre Diwali	29.59	95.6	11.77	26.43	9.43
		Diwali Day	85.37	140.91	10.77	18.19	8.97
		Post Diwali	196.36	237.7	11.42	27.7	11.42
19	Jabalpur, Marhatal	Pre Diwali	60.6	109.3	21.95	13.33	14.39
		Diwali Day	77.51	126.86	25.28	11.86	13.99
		Post Diwali	108.44	143.05	24.19	13.65	13.47
20	Jabalpur, Suhagi	Pre Diwali	52.21	90.61	7.36	21.19	10.51
		Diwali Day	89.57	116.14	7.43	16.21	10.37
		Post Diwali	97.42	155.23	7.22	13.93	9.14
21	Katni, Gole Bazar	Pre Diwali	44.61	125.93	22.33	26.67	10.69
		Diwali Day	77.17	160.29	28.88	28.99	12.93
		Post Diwali	75.52	142.93	29.93	28.61	15.55
22	Khandwa, Lok Seva Kendra	Pre Diwali	42.79	82.44	12.34	22.92	0.13
		Diwali Day	38.44	77.61	11.49	22.06	0.12
		Post Diwali	88.62	155.86	11.42	21.53	0.12
23	Khargone, Nagar Palika	Pre Diwali	41.48	NA	13.86	NA	NA
		Diwali Day	49.79	NA	14.24	NA	NA
		Post Diwali	69.66	NA	16.88	NA	NA
24	Maihar , Sharda Temple	Pre Diwali	32.13	72.8	13.15	49.15	NA
		Diwali Day	45.28	134.2	13.18	45.91	NA
		Post Diwali	66.28	244.38	13.15	55.34	NA
25	Mandideep, Sector New Industrial Area	Pre Diwali	145.33	323.2	44.03	30.91	13.81
		Diwali Day	65.21	170.86	48.34	22.15	16.35
		Post Diwali	106.52	244.6	87.26	16.92	17.92
26	Narsinghpur, District Education Office	Pre Diwali	66.82	120.55	9.74	17.05	NA
		Diwali Day	92.31	153.05	9.97	16.49	NA
		Post Diwali	82.33	126.77	9.98	22.56	NA

Comparison of Pre and Post Diwali Air Quality of Cities in Madhya Pradesh (Year 2025)							
Sr. No.	Location	Parameters					
		Duration	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	SO ₂ (µg/m³)	NO _x (ppb)	NH ₃ (µg/m³)
27	Neemuch, Civil Hospital	Pre Diwali	NA	6.73	23.6	46.91	NA
		Diwali Day	NA	10.76	23.03	48.16	NA
		Post Diwali	NA	10.02	22.44	46.13	NA
28	Pithampur, Sector-2 Industrial Area	Pre Diwali	106.72	146.1	13.52	7.81	11.02
		Diwali Day	103.61	130.63	12.07	4.07	12.63
		Post Diwali	136.58	164.03	13.53	13.7	15.9
29	Ratlam, Shathri Nagar	Pre Diwali	72.05	172.25	41.85	46.92	NA
		Diwali Day	108.54	211.64	45.36	47.74	NA
		Post Diwali	76.58	179.34	42.02	49.44	NA
30	Rewa, Regional Office	Pre Diwali	22.75	44.01	8.25	18	NA
		Diwali Day	22.74	44.04	8.24	18	NA
		Post Diwali	NA	NA	NA	NA	NA
31	Sagar, Collectorate Office	Pre Diwali	90.96	105.02	15	10.14	10.15
		Diwali Day	126.64	132.84	38.17	8.49	9.66
		Post Diwali	145.02	175.05	36.65	6.42	9.71
32	Sagar, Deen Dayal Nagar	Pre Diwali	46.54	103.27	6.53	16.29	NA
		Diwali Day	63.32	129.46	7.79	15.86	NA
		Post Diwali	66.77	121.9	6.43	11.36	NA
33	Singrauli, Surya Kiran Bhawan Dudhichua	Pre Diwali	68.38	163.66	20.97	15.64	29.04
		Diwali Day	110.15	239.97	28.47	14.87	28.79
		Post Diwali	92.83	208.25	28.12	13.06	28.53
34	Singrauli, Trauma Centre Waidhan	Pre Diwali	63.37	140.72	13.26	11.56	NA
		Diwali Day	64.09	132.82	13.04	11.54	NA
		Post Diwali	69.93	145.86	12.76	11.59	NA

Comparison of Pre and Post Diwali Air Quality Parameters in Cities M. P. State (Year 2024)							
Sr. No.	Location	Parameters					
		Duration	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	SO ₂ (µg/m³)	NO _x (ppb)	NH ₃ (µg/m³)
1	Anuppur, Collectorate	Pre Diwali	24.35	75.42	11.68	13.7	NA
		Diwali Day	21.99	65.49	11.65	13.65	NA
		Post Diwali	24.61	71.1	11.43	13.63	NA
2	Betul , Collector Office	Pre Diwali	55.01	82.49	0.35	61.38	NA
		Diwali Day	50.78	69.31	0.35	60.93	NA
		Post Diwali	NA	NA	NA	NA	NA
3	Bhopal, Collectorate Office	Pre Diwali	66.18	176.22	7.64	20.09	18.12
		Diwali Day	68.65	162.8	8.18	15.98	17.74
		Post Diwali	73.83	190.07	8.95	13.77	19.5
4	Bhopal, Paryavaran Parisar	Pre Diwali	88.75	193.7	5.7	19.69	42.28
		Diwali Day	96.26	206.72	5.41	17.78	39.83
		Post Diwali	128.21	216.18	5.47	15.57	37.44
5	Bhopal, T T Nagar	Pre Diwali	60.28	159.9	15.92	27.35	57.28
		Diwali Day	71.67	202.11	21.37	23.95	53.75
		Post Diwali	52.97	172.48	21.65	14.63	42.8
6	Damoh, Shrivastav Colony	Pre Diwali	23.52	63.01	32.99	7.08	NA
		Diwali Day	19.72	60.85	33.5	7.14	NA
		Post Diwali	13.51	53.77	33.05	7.09	NA
7	Dewas, Bhopal Chauraha	Pre Diwali	78.94	170.36	20.85	8.1	11.89
		Diwali Day	119.73	173.41	20.39	8.13	11.88
		Post Diwali	119.36	207.48	18.88	8.14	11.92
8	Gwalior, City Center	Pre Diwali	33.53	103.03	23.98	14.21	19.51
		Diwali Day	57.4	157.31	16.34	16.02	17.34
		Post Diwali	127.59	213.58	15.45	17.12	20.84
9	Gwalior, DD Nagar	Pre Diwali	84.48	180.26	11.77	15.73	17.14
		Diwali Day	102.81	188.98	13.3	16.59	16.64
		Post Diwali	331.64	337.31	12.29	27.1	23.71
10	Gwalior, Maharaj bada	Pre Diwali	53.09	186.35	9.84	17.08	13.75
		Diwali Day	90.78	257.76	10.33	29.43	14.21
		Post Diwali	198.55	361.56	12.93	24.72	18.19
11	Indore, Airport Area	Pre Diwali	63.01	63.73	8.51	12.45	0.21
		Diwali Day	NA	67.83	8.48	11.56	0.2
		Post Diwali	NA	119.4	8.48	11.99	0.23
12	Indore, Chhoti Gwaltoli	Pre Diwali	113.59	257.42	11.65	38.54	29.79
		Diwali Day	131.62	283.93	35.41	44.53	24.19
		Post Diwali	257.68	320.07	39.94	88.86	13.53
13	Indore, Pologround	Pre Diwali	40.87	59.41	15.51	19.82	NA
		Diwali Day	38.28	65.48	14.61	19.57	NA
		Post Diwali	38.47	58.25	15.13	19.68	NA

Comparison of Pre and Post Diwali Air Quality Parameters in Cities M. P. State (Year 2024)							
Sr. No.	Location	Parameters					
		Duration	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	SO ₂ (µg/m³)	NO _x (ppb)	NH ₃ (µg/m³)
14	Indore, Regional Park N Nigam	Pre Diwali	33.71	NA	47.92	4.71	2.17
		Diwali Day	NA	NA	NA	NA	NA
		Post Diwali	NA	NA	NA	NA	NA
15	Indore, Residency Area	Pre Diwali	73.81	130.8	22.58	14.82	1.37
		Diwali Day	NA	157.91	23.63	10.26	0.29
		Post Diwali	NA	209.17	23.89	10.35	0.31
16	Indore, Vijay Nagar	Pre Diwali	30.92	40.36	22.62	25.48	NA
		Diwali Day	30.95	40.24	22.47	25.5	NA
		Post Diwali	31	39.65	22.61	25.48	NA
17	Jabalpur, Govindh Bhavan Colony	Pre Diwali	40.71	80.48	3.07	7.84	11.18
		Diwali Day	59.8	118.07	53.37	7.97	11.13
		Post Diwali	83.63	165.08	11.67	8.36	11.14
18	Jabalpur, Gupteshwar	Pre Diwali	69.25	88.56	30.14	27.6	20.39
		Diwali Day	89.29	106.93	26.97	24.51	19.17
		Post Diwali	116.06	208.63	24.38	24.72	19.63
19	Jabalpur, Marhatal	Pre Diwali	67.92	108.88	20.87	28.27	14.69
		Diwali Day	76.36	100.67	22.19	33.59	16.32
		Post Diwali	120.39	139.66	23.7	32.19	26.91
20	Jabalpur, Suhagi	Pre Diwali	51.09	101.41	4.66	28.19	23.46
		Diwali Day	90.27	159.57	6.7	30.46	23.41
		Post Diwali	136.59	232.29	12.58	35.26	23.32
21	Katni, Gole Bazar	Pre Diwali	48.99	167.85	31.14	28.77	12.13
		Diwali Day	54.09	174.24	66.43	28.21	15.97
		Post Diwali	73.8	209.26	59.27	23.01	22.31
22	Katni, Regional Office	Pre Diwali	25.67	91.88	6.65	25.02	NA
		Diwali Day	25.23	57.65	6.62	25.12	NA
		Post Diwali	25.37	72.04	6.63	25.07	NA
23	Khandwa, Lok Seva Kendra	Pre Diwali	57.13	69.32	10.83	NA	NA
		Diwali Day	88.02	108.24	12.99	NA	NA
		Post Diwali	110.19	127.53	13.5	28.2	20.37
24	Khargone, Nagar Palika	Pre Diwali	26.66	38.62	12.05	23.66	NA
		Diwali Day	45.69	50.44	10.2	23.66	NA
		Post Diwali	26.06	42.46	12.16	23.7	NA
25	Maihar , Sharda Temple	Pre Diwali	37.35	34.5	10.47	16.96	NA
		Diwali Day	27.68	34.72	8.97	17.95	NA
		Post Diwali	47.06	53.78	9.89	17.98	NA
26	Mandideep, Sector New Industrial Area	Pre Diwali	102.49	208.38	28.45	45.74	32.65
		Diwali Day	74.81	157.6	24.57	28.04	24.3
		Post Diwali	120.84	208.45	42.37	23.26	19.5

Comparison of Pre and Post Diwali Air Quality Parameters in Cities M. P. State (Year 2024)							
Sr. No.	Location	Parameters					
		Duration	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	SO ₂ (µg/m³)	NO _x (ppb)	NH ₃ (µg/m³)
27	Narsinghpur, District Education Office	Pre Diwali	70.38	105.86	9.92	23.11	NA
		Diwali Day	66.98	101.72	10.06	21.31	NA
		Post Diwali	79.04	131.67	10.12	18.23	NA
28	Neemuch, Civil Hospital	Pre Diwali	18.34	96.23	17.45	5.89	NA
		Diwali Day	18.63	125.31	17.41	6.94	NA
		Post Diwali	18.37	124.83	17.57	10.2	NA
29	Panna, Collectorate	Pre Diwali	40.96	86.92	9.91	20.8	NA
		Diwali Day	40.41	106.98	9.52	23.05	NA
		Post Diwali	64.58	131.49	9.52	20.19	NA
30	Pithampur, Sector-2 Industrial Area	Pre Diwali	62.94	96.9	37.26	8.93	9.72
		Diwali Day	52.76	92.34	30.54	7.66	10.98
		Post Diwali	42.55	71.82	30.3	6.38	10.41
31	Ratlam, Shathri Nagar	Pre Diwali	54.12	169.69	27.61	29.09	NA
		Diwali Day	154.56	194.75	34.58	28.96	NA
		Post Diwali	128.11	206.97	37.36	29.05	NA
32	Sagar, Collectorate Office	Pre Diwali	47.31	117.13	5.45	11.45	34.16
		Diwali Day	51.14	133.59	9.42	10.92	46.43
		Post Diwali	76.51	186.91	6.66	9.15	48.27
33	Sagar, Deen Dayal Nagar	Pre Diwali	23.36	158.95	7.21	11.3	NA
		Diwali Day	49.39	227.94	7.42	11.3	NA
		Post Diwali	47.37	199.46	7.2	11.1	NA
34	Singrauli, Surya Kiran Bhawan Dudhichua	Pre Diwali	88.56	218.24	37.75	38.12	10.49
		Diwali Day	102.62	256.49	28.31	29.05	8.58
		Post Diwali	116.63	249.68	30.49	24.81	12.2
35	Singrauli, Trauma Centre Waidhan	Pre Diwali	83.45	137.94	15.01	11.64	NA
		Diwali Day	72.94	111.54	14.52	11.61	NA
		Post Diwali	85.75	150.67	14.53	11.65	NA
36	Ujjain, Mahakaleshwar Temple	Pre Diwali	80.29	146.84	7.89	29.68	35.14
		Diwali Day	146.82	184.99	8.16	26.18	32.95
		Post Diwali	110.79	188.51	9.62	37.13	17.45

Comparison of Pre and Post Diwali Air Quality Parameters in Cities M. P. State (Year 2023)

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)
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
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

Comparison of Pre and Post Diwali Air Quality Parameters in Cities M. P. State (Year 2023)

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)
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
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

Comparison of Pre and Post Diwali Air Quality Parameters in Cities M. P. State (Year 2023)

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)
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 Parameters in Cities M. P. State (Year 2022)

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)
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
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

Comparison of Pre and Post Diwali Air Quality Parameters in Cities M. P. State (Year 2022)

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)
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 Parameters in Cities M. P. State (Year 2021)

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)
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
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

Comparison of Pre and Post Diwali Air Quality Parameters in Cities M. P. State (Year 2021)

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)
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