

AAQM Data for Deepawali 2024

Ambient Air Quality during Deepawali Festival was monitored from 24.10.2024 to 07.11.2024. The AAQM data during the said period is placed below.

Name of the Location: Patto, Panaji-Goa										
Date	Regulatory parameters							Proposed New parameters		
	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Metals in PM ₁₀			Metals/Elements in PM _{2.5}		
					Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)
24/10/24	65.7	31.6	11.16	19.07	0.05	1.34	0.49	1.56	0.03	0.31
25/10/24	79.1	37.4	10.75	16.80	0.05	1.71	0.53	2.41	0.05	0.41
26/10/24	72.5	33.8	9.51	15.66	0.07	0.73	1.28	0.18	0.01	0.16
27/10/24	68.3	35.1	11.48	17.24	0.12	1.37	1.85	2.79	<0.004	0.31
28/10/24	81.9	43.2	10.91	16.98	0.14	3.36	1.64	0.20	<0.004	0.08
29/10/24	93.6	45.7	12.89	18.39	0.11	0.99	1.23	0.50	0.01	0.27
30/10/24	134.2	71.9	16.26	24.19	0.07	0.62	0.81	3.08	0.05	0.58
31/10/24	111.9	63.1	13.07	18.11	0.07	0.58	1.21	3.27	0.04	0.92
01/11/24	119.1	65.2	14.03	20.14	0.04	1.38	0.87	2.91	0.06	0.63
02/11/24	103.2	57.3	11.24	17.39	0.10	1.92	2.05	1.15	0.17	0.22
03/11/24	124.2	66.9	15.16	21.94	0.07	2.72	1.01	0.37	0.05	0.06
04/11/24	77.8	39.5	12.07	16.18	0.13	2.81	0.80	1.14	0.05	0.37
05/11/24	86.4	41.9	11.88	18.57	0.05	1.61	0.84	0.24	0.03	0.09
06/11/24	98.2	47.7	13.29	20.63	0.19	3.75	1.73	2.95	0.04	0.32
07/11/24	72.6	38.1	10.80	15.33	0.06	1.67	1.78	0.60	0.03	0.18

It is observed that the PM10 and PM2.5 was found to be exceeding for 5 days and 4 days respectively out of 15 monitoring days.

The observations were recorded on these days were medium to high density vehicular movement, outdoor burning (fire crackers and effigy burning)were observed during the monitoring period.

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