

AAQM Data for Deepawali 2023

Ambient Air Quality during Deepawali Festival was monitored from 05.11.2023 to 19.11.2023. The AAQM data during the said period is placed in the table below.

Name of the Location: Patto, Panaji-Goa										
Date	Regulatory parameters							New parameters		
	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (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)
05-11-2023	BDL	9.18	74.22	21.64	<0.10	<5.00	<5.0	0.36	<1.00	<1.00
06-11-2023	4.52	18.11	62.65	19.89	<0.10	<5.00	<5.0	0.78	<1.00	1.19
07-11-2023	3.76	12.52	56.13	14.44	<0.10	<5.00	<5.0	0.53	1.09	<1.00
08-11-2023	BDL	BDL	43.95	12.02	<0.10	<5.00	<5.0	0.09	<1.00	<1.00
09-11-2023	BDL	17.88	64.50	23.39	<0.10	5.12	<5.0	0.32	<1.00	<1.00
10-11-2023	4.94	17.54	78.35	21.60	<0.10	<5.00	<5.0	<0.01	<1.00	<1.00
11-11-2023	5.09	22.07	54.16	14.38	<0.10	<5.00	5.85	<0.01	<1.00	<1.00
12-11-2023	5.84	13.98	83.73	27.18	<0.10	<5.00	9.95	0.16	<1.00	<1.00
13-11-2023	5.17	23.03	58.69	23.63	<0.10	<5.00	<5.0	0.07	<1.00	<1.00
14-11-2023	2.65	23.87	67.83	21.96	<0.10	6.53	<5.0	0.53	<1.00	<1.00
15-11-2023	5.29	21.41	82.14	32.08	<0.10	<5.00	<5.0	1.25	<1.00	<1.00
16-11-2023	4.98	21.61	89.45	22.20	<0.10	<5.00	<5.0	0.33	<1.00	<1.00
17-11-2023	4.84	18.33	92.18	29.54	<0.10	<5.00	<5.0	0.55	<1.00	<1.00
18-11-2023	4.04	22.21	84.79	32.75	<0.10	<5.00	<5.0	0.08	<1.00	<1.00
19-11-2023	4.77	15.12	66.53	26.85	<0.10	<5.00	<5.0	0.23	<1.00	<1.00
NAAQS(24 hrly Avg)	80	80	100	60	1.0	Annual Standard (20 ng/m ³)	Annual Standard (6 ng/m ³)	NA	NA	NA

Interpretation of Ambient Air Quality Data/Result:

Field Observations reported during monitoring days: Low to high density Light Motor Vehicular movement & Heavy Motor Vehicular movement observed during Monitoring. Bursting of fire crackers was observed on Deepawali day 12/11/2023

No exceedence observed with respect to any of the parameters monitored all the monitoring days including 12-11-2023 (Deepawali Day)