

AAQM Data for Deepawali 2022

Ambient Air Quality during Deepawali Festival was monitored from 17.10.2022 to 31.10.2022. 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)
17-10-2022	BDL	22	52	8	<0.10	15.35	<5.0	<0.01	<1.00	<1.00
18-10-2022	BDL	20	41	13	<0.10	6.16	<5.0	<0.01	<1.00	<1.00
19-10-2022	BDL	20	57	21	<0.10	15.33	<5.0	<0.01	<1.00	9.24
20-10-2022	BDL	16	35	6	<0.10	<5.00	<5.0	<0.01	<1.00	3.40
21-10-2022	BDL	24	24	21	<0.10	8.76	<5.0	<0.01	<1.00	2.82
22-10-2022	BDL	17	31	5	<0.10	7.84	<5.0	<0.01	<1.00	1.23
23-10-2022	BDL	17	35	27	<0.10	<5.00	<5.0	<0.01	<1.00	<1.00
24-10-2022	BDL	21	26	13	<0.10	<5.00	<5.0	<0.01	<1.00	<1.00
25-10-2022	BDL	19	57	27	<0.10	6.09	<5.0	<0.01	<1.00	2.16
26-10-2022	BDL	19	35	24	<0.10	<5.00	<5.0	<0.01	<1.00	<1.00
27-10-2022	BDL	17	49	29	<0.10	7.99	<5.0	<0.01	<1.00	<1.00
28-10-2022	BDL	18	30	20	<0.10	9.09	<5.0	<0.01	<1.00	<1.00
29-10-2022	BDL	16	39	20	<0.10	8.19	<5.0	<0.01	<1.00	<1.00
30-10-2022	BDL	16	37	11	<0.10	5.34	<5.0	<0.01	<1.00	<1.00
31-10-2022	BDL	15	65	25	<0.10	9.72	<5.0	<0.01	<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, sweeping activity and windy conditions observed during Monitoring. Bursting of fire crackers was observed on Deepawali day 24/10/2022

No exceedence observed with respect to any of the parameters monitored all the monitoring days including 24-10-2022 (Deepawali Day)