

AAQM Data for Deepawali 2019

Ambient Air Quality during Deepawali Festival was monitored from 20.10.2019 to 03.11.2019. The AAQM data during the said period is placed 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)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)	Sr (µg/m ³)
20-10-2019	BDL	9	59	64	0.003	31.93	<0.4	<0.0004	<0.4	<0.4	1.83	8.39	2.93	<0.0004
21-10-2019	BDL	11	81	26	<0.0004	53.77	<0.4	<0.0004	<0.4	<0.4	<0.0004	6.79	1.838	0.22
22-10-2019	BDL	12	96	11	0.094	22.73	<0.4	<0.0004	<0.4	<0.4	<0.0004	1.32	0.457	0.004
23-10-2019	BDL	14	65	89	0.063	484.38	<0.4	<0.0004	90.62	<0.4	<0.0004	1.46	2.892	0.31
24-10-2019	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-10-2019	*	*	*	*	*	*	*	*	*	*	*	*	*	*
26-10-2019	BDL	12	141	36	0.023	36.24	<0.4	<0.0004	<0.4	<0.4	<0.0004	0.96	1.86	0.043
27-10-2019	BDL	9	65	23	0.009	<0.4	<0.4	<0.0004	<0.4	<0.4	<0.0004	1.8	0.52	<0.0004
28-10-2019	BDL	10	19	19	0.025	23.95	<0.4	0.236	<0.4	<0.4	0.34	2	0.893	<0.0004
29-10-2019	BDL	10	39	22	0.048	<0.4	<0.4	0.151	<0.4	<0.4	1.91	7.38	0.938	<0.0004
30-10-2019	BDL	13	14	13	0.041	31.88	<0.4	0.256	<0.4	<0.4	0.63	2.05	0.231	<0.0004
31-10-2019	BDL	12	21	23	0.021	0.78	<0.4	<0.0004	<0.4	<0.4	0.39	1.4	0.63	<0.0004
01-11-2019	BDL	9	26	19	0.021	12.48	<0.4	<0.0004	<0.4	<0.4	<0.0004	2.39	2.67	<0.0004
02-11-2019	BDL	12	30	34	0.018	<0.4	<0.4	0.03	<0.4	<0.4	0.23	0.37	0.596	<0.0004
03-11-2019	BDL	15	18	15	0.035	10.53	<0.4	<0.0004	<0.4	<0.4	0.58	<0.0004	0.59	<0.0004
NAAQS(24 hrly Avg)	80	80	100	60	1.0			1.0						

Data/ Observations:

* No Monitoring due to heavy rain.

It is observed that the PM10 was found to be exceeding on 26-10-2019, while PM2.5 has exceeded on 20-10-2019 and 23-10-2019

The following observations were recorded on these days.

20-10-2019 – Low to medium density Light Motor Vehicular movement observed in all three shifts.

23--10-2019 - Low density Light Motor Vehicular movement observed in all three shifts.

26-10-2019 - Low density Light Motor Vehicular movement observed in all three shifts.