

AAQM Data for Deepawali 2021

Ambient Air Quality during Deepawali Festival was monitored from 28.10.2021 to 11.11.2021. 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)
28-10-2021	BDL	12	46	25	0.10	69.80	<0.4	<0.01	0.70	39.27
29-10-2021	BDL	13	127	57	0.12	81.08	<0.4	<0.01	10.29	112.56
30-10-2021	BDL	12	52	47	0.03	98.54	<0.4	<0.01	1.26	15.77
31-10-2021	BDL	12	77	10	0.06	60.69	<0.4	<0.01	0.24	12.76
01-11-2021	BDL	BDL	37	26	0.24	357.78	<0.4	<0.01	2.34	4.57
02-11-2021	BDL	BDL	24	25	0.13	381.62	<0.4	<0.01	1.12	7.26
03-11-2021	*	*	*	*	*	*	*	*	*	*
04-11-2021	BDL	BDL	36	17	0.15	346.24	<0.4	<0.01	8.66	4.87
05-11-2021	BDL	BDL	25	23	0.16	456.54	<0.4	<0.01	4.97	8.19
06-11-2021	BDL	12	22	14	0.23	396.57	<0.4	<0.01	5.46	0.23
07-11-2021	BDL	12	30	14	0.14	351.37	<0.4	<0.01	9.67	4.53
08-11-2021	BDL	10	68	34	0.20	213.97	<0.4	<0.01	1.90	3.94
09-11-2021	BDL	11	93	76	0.05	48.90	<0.4	<0.01	0.95	1.78
10-11-2021	BDL	10	109	59	0.02	28.05	<0.4	<0.01	6.89	2.87
11-11-2021	BDL	10	142	61	0.07	23.97	<0.4	<0.01	2.56	23.03
NAAQS(24 hrly Standard in µg/m ³)	80	80	100	60	1.0	Annual Standard (20 ng/m ³)	Annual Standard (6 ng/m ³)	NA	NA	NA

Note- *No monitoring

Interpretation of Ambient Air Quality Data/Result:

PM10 exceeding for 3 days 29-11-2021, 10-11-2021 & 11-11-2021 & PM2.5 exceeding for 2 days 09-11-2021 & 11-11-2021 during 14 monitoring days

Field Observations reported during exceedence days: Low to high density Light Motor Vehicular movement & Heavy Motor Vehicular movement, sweeping activity and windy conditions observed during Monitoring.

No exceedence observed with respect to any of the parameters monitored on 04-11-2021 (Diwali Day)