

## AMBIENT AIR QUALITY DURING BHOGI FESTIVAL, 2020

Puducherry Pollution Control Committee carried out Ambient Air Quality Monitoring at two locations in Puducherry and one location in Karaikal on Bhogi day 2020 to assess the air quality.

### Trends in concentration of pollutants monitored on Bhogi 2019 & Bhogi 2020.

Location	Bhogi day -2019			Bhogi day -2020		
	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>
Anna Nagar	144	9.0	4.5	131	2.1	13.5
Mettupalayam	172	7.2	19.8	125	2.0	16.8
Kovilpathu	159	2.0	7.0	85	2.2	10.1

(Concentration expressed in  $\mu\text{g}/\text{m}^3$ )

PM<sub>10</sub> – Particulate Matter (Size less than 10  $\mu\text{m}$ )

SO<sub>2</sub> – Sulphur Dioxide, NO<sub>2</sub> – Nitrogen Dioxide

### Observation:

The result reveals that

- The concentration of PM<sub>10</sub> in Puducherry and Karaikal is decreased compared to last year. There is no significant variation observed in the concentration of Sulphur dioxide and Nitrogen dioxide.
- The increase in concentration of particulate matter on Bhogi day may be due to sporadic activity of burning of unwanted waste material/debris for a short period of time.

### Bhogi day 2019 Vs Bhogi Day 2020

