

Ambient Air and Noise Pollution Levels – Deepavali 2018

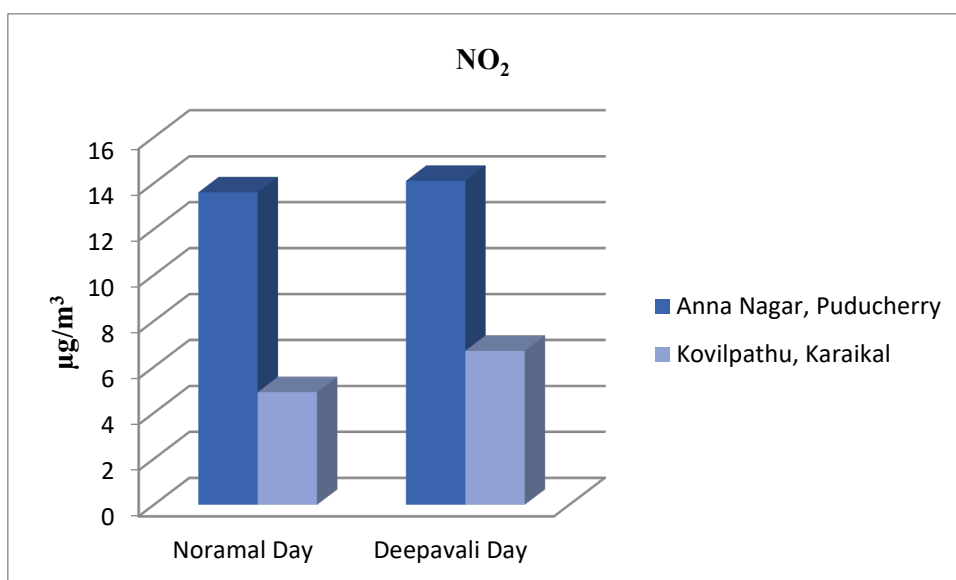
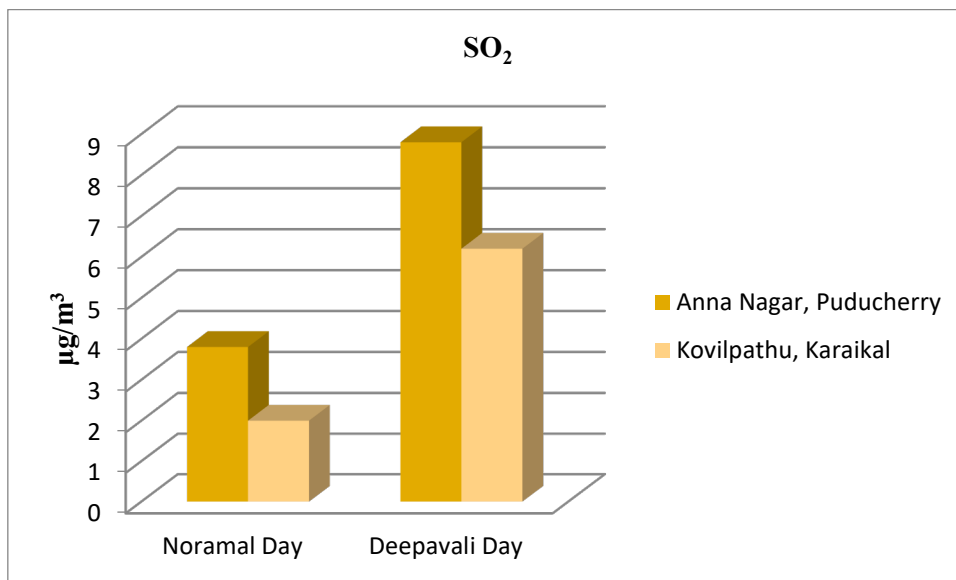
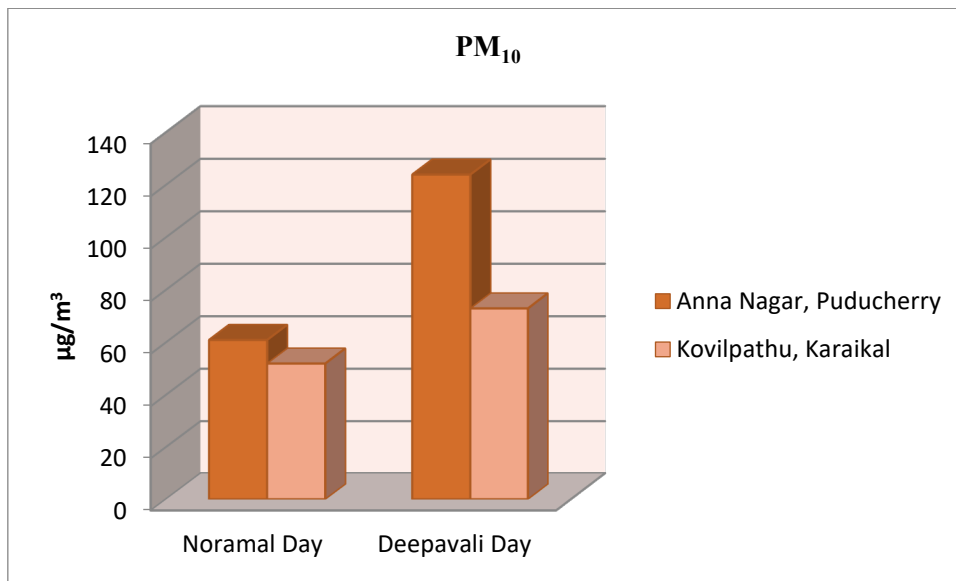
Every year Puducherry Pollution Control Committee conducts air quality monitoring to ascertain the impact of crackers bursting during Deepavali festival. This year also, Puducherry Pollution Control Committee conducted Ambient Air Quality and Noise monitoring during normal day on Deepavali day to assess the environmental impact of bursting of crackers.

The Noise survey result reveals that there is an increase in ambient noise level on the day of Deepavali [87.2 Leq dB (A)] in comparison to the normal day [74.2 Leq dB (A)]. The main cause of increase in the ambient noise level during festivals is bursting of crackers and also due to two wheeler movement, whereas in normal day the main contributors to the ambient noise level in that area is due to two wheeler movement. However, the measured noise levels because of bursting of crackers were found to be within the Hon'ble Supreme Court directive on noise level of 125 dB(A).

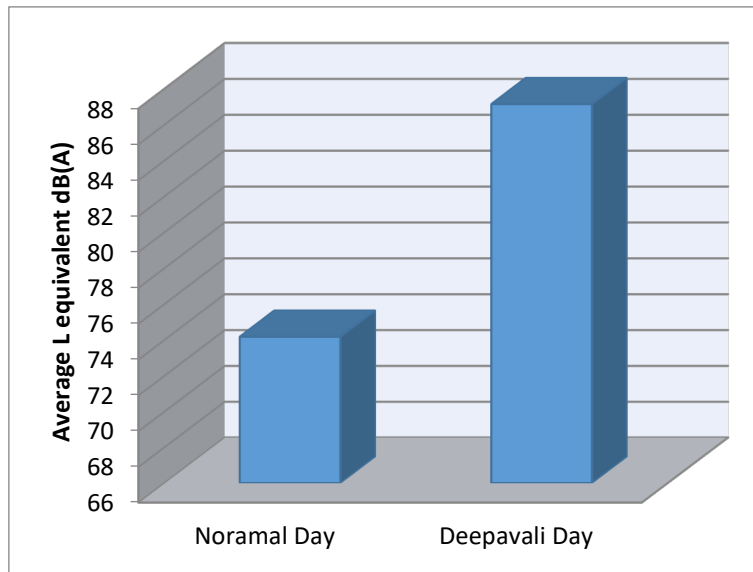
In Puducherry, the Air Quality Monitoring report reveals that the 24 hourly average concentration of Particulate Matter was found significantly higher ($124 \mu\text{g}/\text{m}^3$) on the day of Deepavali when compared to normal day ($61 \mu\text{g}/\text{m}^3$) and it is above the prescribed standard limit of $100 \mu\text{g}/\text{m}^3$. The monitoring conducted at Karaikal reveals that the concentration of Particulate Matter ($73 \mu\text{g}/\text{m}^3$) on the day of Deepavali is higher when compared to normal day ($52 \mu\text{g}/\text{m}^3$) and it is within the prescribed standard limit $100 \mu\text{g}/\text{m}^3$. The concentration of gaseous pollutants viz., SO_2 and NO_2 are within the prescribed standard limit $80 \mu\text{g}/\text{m}^3$.

The analysis of AQI in Puducherry on the day of Deepavali indicates that the value is falling in Moderate category and on Normal day the value is falling in satisfactory and in Karaikal the value is falling under satisfactory category on Normal day and on Deepavali day.

Ambient Air Quality Level on Normal Day & Deepavali Day



Ambient Noise Level Monitored on Normal Day and Deepavali Day



Monitoring of Noise Level During Deepavali 2018