

## STATUS OF AMBIENT AIR QUALITY IN THE U.T OF PUDUCHERRY FOR THE YEAR 2019

Puducherry Pollution Control Committee is carrying out manual ambient air quality monitoring at the following Six locations in the U.T. of Puducherry under the 'National Air quality Monitoring Programme' (NAMP) of Central Pollution Control Board (CPCB). The monitoring of pollutants is carried out for 24 hours (4-hourly sampling for gaseous pollutants and 8-hourly sampling for particulate matter) with a frequency of twice a week.

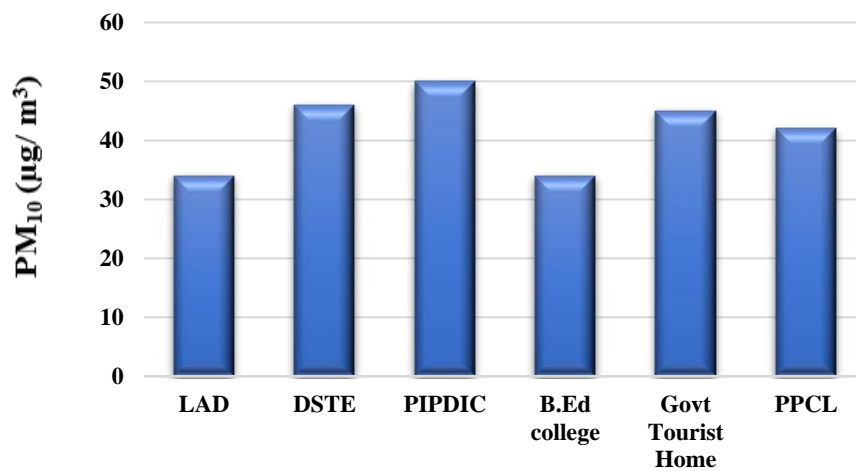
### Location of NAMP Stations

Sl. No.	Location Name	Location Type	Source of Pollution
1	Local Administrative Department Building (LAD), Suffren Street, Puducherry.	Residential area	Vehicle emission and natural dust from road
2	Dept of Science Technology and Environment Building (DSTE), Anna Nagar, Puducherry.	Residential cum Commercial area	Vehicle emission and natural dust from road
3	Electricity Department, Mettupalayam Industrial Estate (PIPDIC), Puducherry.	Industrial area	Industrial Pollution and vehicular pollution.
4	B.Ed. College, Nehru Nagar, Karaikal	Residential area	Vehicle emission and natural dust from road
5	Govt. Guest House, Kovilpathu, Karaikal	Residential cum Commercial area	Vehicle emission and natural dust from road
6	PPCL, Polagam, T.R. Pattinam, Karaikal	Industrial area	Industrial Pollution and vehicular pollution.

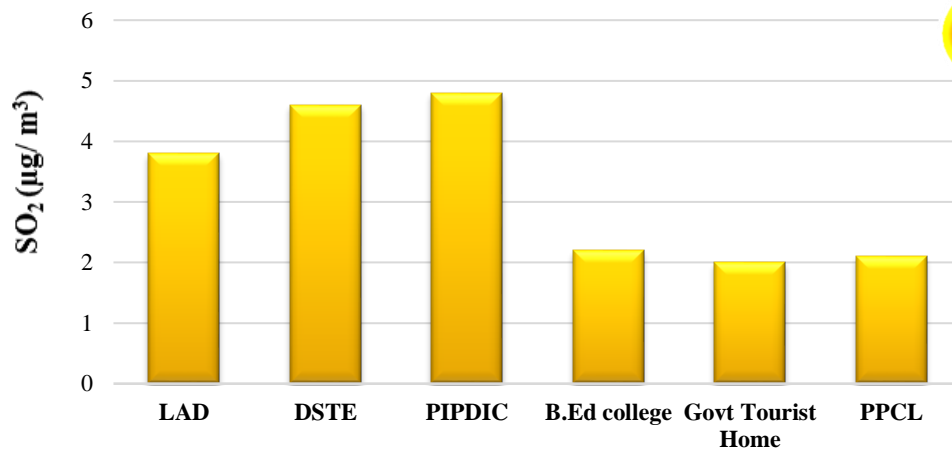
### Annual average Concentration of Pollutant at the six monitored locations in the U.T. of Puducherry

Sl.No	Location	Pollutant in $\mu\text{g}/\text{m}^3$		
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>
1	LAD	34	3.8	10.0
2	DSTE	46	4.6	12.8
3	PIPDIC	50	4.8	12.5
4	B.Ed college	34	2.2	5.0
5	Govt Tourist Home	45	2.0	5.5
6	PPCL	42	2.1	5.4
Standard		60	50	40

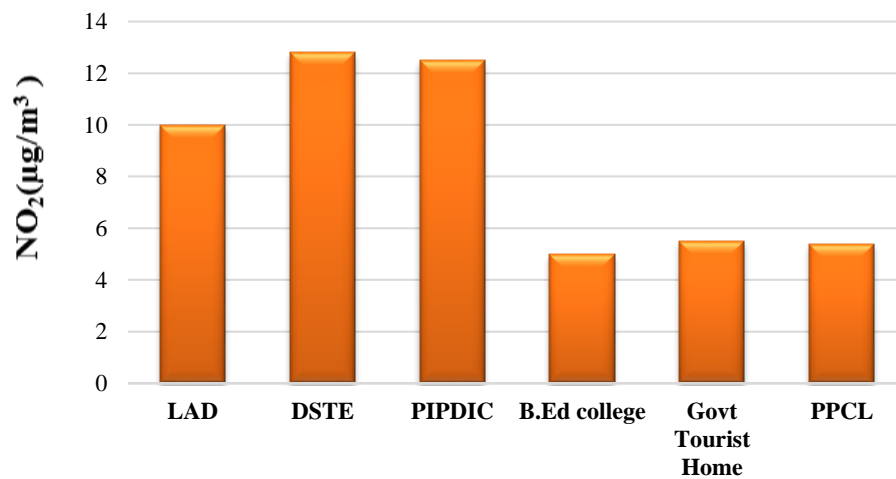
Annual Average Concentration of PM<sub>10</sub> for the year 2019



Annual Average Concentration of SO<sub>2</sub> for the year 2019



Annual Average Concentration of NO<sub>2</sub> for the year 2019



### **Observation and Results:**

- The monitoring result reveals that 24 Hourly average concentration of Particulate Matter (Size less than 10  $\mu\text{m}$ ) -  $\text{PM}_{10}$  measured in all the six locations are within the prescribed standard limit of 100  $\mu\text{g}/\text{m}^3$
- Annual average concentration of  $\text{PM}_{10}$  measured in all the six locations are in the ranges from 34 – 50 ( $\mu\text{g}/\text{m}^3$ ) which is within the prescribed standard limit of 60  $\mu\text{g}/\text{m}^3$
- The annual average concentrations of the pollutants viz.,  $\text{SO}_2$  &  $\text{NO}_2$  in all the six locations are within the prescribed standard limits. One of the reasons for low levels of pollution in coastal cities like Puducherry is that it has excellent ventilation effects due to sea and land breezes which reduces pollution levels.