

## PARTICULATE MATTER, TRACE GASES AND METEOROLOGICAL PARAMETERS AT BMSCE CAMPUS on 25<sup>th</sup> September, 2017

[Observations in association with Indian Institute of Tropical Meteorology, Pune]

Particulate Matter (PM)	National Ambient Air Quality Standard	Concentration
PM <sub>2.5</sub> (24 hr avg)	60 µg/m <sup>3</sup>	38µg/m <sup>3</sup>
PM <sub>10</sub> (24 hr avg)	100 µg/m <sup>3</sup>	73µg/m <sup>3</sup>
Black carbon (BC)	-----	***

Metrological parameters	Value
Max Temperature	26.4°C
Min Temperature	23.4°C
Relative Humidity (RH)	61.5 %
Solar Radiation (SR)	107W/m <sup>3</sup>
Wind Speed (WS)	1.1m/s
Wind Direction (WD)	265degree
Rain Fall (RF)	***

Gases	National Ambient Air Quality Standard	Concentration
Carbon Monoxide (CO) (8 hr avg)	1.75 ppmv	***
Carbon Dioxide(CO <sub>2</sub> ) (24 hr avg)		***
Ozone(O <sub>3</sub> ) (8 hr avg)	50 ppbv	8.9 ppbv
Nitrous Oxide (NO) (24 hr avg)		***
Nitrogen Dioxide (NO <sub>2</sub> ) (24 hr avg)	42.5 ppbv	***
Nitrogen Oxides(NO <sub>x</sub> ) (24 hr avg)		***
Methane (CH <sub>4</sub> ) (24 hr avg)		***
Total Non Methane Hydrocarbons (TNMHC) (24 hr avg)		***