

## PARTICULATE MATTER, TRACE GASES AND METEOROLOGICAL PARAMETERS AT BMSCE CAMPUS on 27<sup>th</sup> April, 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>	49 µg/m <sup>3</sup>
PM <sub>10</sub> (24 hr avg)	100 µg/m <sup>3</sup>	103 µg/m <sup>3</sup>
Black carbon (BC)	-----	0.6767 µg/m <sup>3</sup>

Metrological parameters	Value
Max Temperature	39.7 °C
Min Temperature	32.8 °C
Relative Humidity (RH)	47.8 %
Solar Radiation (SR)	206 W/m <sup>3</sup>
Wind Speed (WS)	1.0 m/s
Wind Direction (WD)	247 degree
Rain Fall (RF)	***

Gases	National Ambient Air Quality Standard	Concentration
Carbon Monoxide (CO) (8 hr avg)	1.75 ppmv	0.83 ppmv
Carbon Dioxide(CO <sub>2</sub> ) (24 hr avg)		311 ppbv
Ozone(O <sub>3</sub> ) (8 hr avg)	50 ppbv	12.2 ppbv
Nitrous Oxide (NO) (24 hr avg)		65 ppbv
Nitrogen Dioxide (NO <sub>2</sub> ) (24 hr avg)	42.5 ppbv	178 ppbv
Nitrogen Oxides(NO <sub>x</sub> ) (24 hr avg)		243 ppbv
Methane (CH <sub>4</sub> ) (24 hr avg)		845 ppbv
Total Non Methane Hydrocarbons (TNMHC) (24 hr avg)		957 ppbv