

PARTICULATE MATTER, TRACE GASES AND METEOROLOGICAL PARAMETERS AT BMSCE CAMPUS on 4th June, 2017

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

Particulate Matter (PM)	National Ambient Air Quality Standard	Concentration
PM _{2.5} (24 hr avg)	60 µg/m ³	13µg/m ³
PM ₁₀ (24 hr avg)	100 µg/m ³	35µg/m ³
Black carbon (BC)	-----	1.00µg/m ³

Metrological parameters	Value
Max Temperature	30.1°C
Min Temperature	24.8°C
Relative Humidity (RH)	57%
Solar Radiation (SR)	201W/m ³
Wind Speed (WS)	2m/s
Wind Direction (WD)	213degree
Rain Fall (RF)	***

Gases	National Ambient Air Quality Standard	Concentration
Carbon Monoxide (CO) (8 hr avg)	1.75 ppmv	0.92ppmv
Carbon Dioxide(CO ₂) (24 hr avg)		311ppmv
Ozone(O ₃) (8 hr avg)	50 ppbv	10ppbv
Nitrous Oxide (NO) (24 hr avg)		27.4ppbv
Nitrogen Dioxide (NO ₂) (24 hr avg)	42.5 ppbv	97.2ppbv
Nitrogen Oxides(NO _x) (24 hr avg)		124.6ppbv
Methane (CH ₄) (24 hr avg)		***
Total Non Methane Hydrocarbons (TNMHC) (24 hr avg)		***