

GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
**RAJYA SABHA**  
**UNSTARRED QUESTION No. - 3870**  
ANSWERED ON 06/04/2023

**INSTRUMENTS FOR MEASURING GASES PRESENT IN THE ATMOSPHERE**

3870. # SHRI NARAIN DASS GUPTA:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether it is a fact that Government is not having instruments to measure the gases present in the atmosphere;
- (b) if so, whether the efforts are being made by Government to install such instruments;
- (c) if so, the time by which these are expected to be installed; and
- (d) if not, the reasons therefor?

**ANSWER**

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR  
MINISTRY OF SCIENCE AND TECHNOLOGY  
AND EARTH SCIENCES  
(DR. JITENDRA SINGH)

- (a) No Sir. Environment Monitoring and Research Centre (EMRC) of India Meteorological Department (IMD) monitors atmospheric ozone (surface as well as columnar) through a network of stations in the country. Apart from that through the system for air quality forecasting and research (SAFAR) network, all major air pollutants including gases (PM2.5, PM10, Ozone, CO, NO<sub>x</sub> (NO, NO<sub>2</sub>), SO<sub>2</sub>, BC, Methane (CH<sub>4</sub>), Non-methane hydrocarbons (NMHC), VOC's, Benzene, Mercury), are measured at ten stations in the country.
- (b) - (d) Does not arise.

\*\*\*\*\*