

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

RAJYA SABHA
UNSTARRED QUESTION No. 2606
TO BE ANSWERED ON 23.03.2023

Implementation of Air Quality Early Warning System

2606. DR. AMAR PATNAIK:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether in an attempt to understand the linear relationship between air pollution and life expectancy Government is planning to implement Air Quality Early Warning System;
- (b) if so, the details thereof and if not, the reasons therefor; and
- (c) whether Government has plans to extend the installation and implementation of the Air Quality Early Warning System to other Indian cities after Delhi, Kanpur and Lucknow, if so, the details thereof and if not, the reasons therefor?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI ASHWINI KUMAR CHOUBEY)

(a) to (c)

The Ministry of Earth Sciences (MoES) has developed an advanced integrated air quality early warning and decision support system for providing early warnings on air quality in Delhi at a resolution of 400 meters, as well as in other major cities, such as Kanpur and Lucknow, at a resolution of 10 kilometers. The high-resolution air quality monitoring system, which has been tailored to the specific requirements of each city, has the potential to significantly reduce the negative impacts of air pollution on human health and the environment.

The system employs advanced technology, incorporating both ground-based and satellite-based measurements, to deliver timely information on air quality. The real-time data collection and analysis capabilities of the system enable the generation of accurate air quality indices and forecasts, thereby enabling decision-makers to take appropriate action in response to deteriorating air quality.

This prototype system serves as a noteworthy contribution towards improving air quality management in India, and has the potential to be extended to other cities in the country.

Government plans to extend the installation and implementation of the Air Quality Early Warning System in non-attainment cities in the country under National Clean Air Programme (NCAP).
