

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**LOK SABHA**  
**UNSTARRED QUESTION NO.5087**  
TO BE ANSWERED ON 03.04.2023

**Air Quality Early Warning System**

5087. SHRI PRADYUT BORDOLOI:  
SHRI SHYAM SINGH YADAV:  
SHRI HASNAIN MASOODI:

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

- (a) whether the Government is cognizant of the report presented by the Doctors of Clean Air and Climate Action, Institute of Medical Sciences-Srinagar attributing highest instances of lung ailments to air pollution and if so, the details thereof and if not, the reasons therefor;
- (b) whether the Government is planning to implement Air Quality Early Warning System in an attempt to understand the linear relationship between air pollution and life expectancy in Jammu and Kashmir, if so, the details thereof and if not, the reasons therefor;
- (c) whether the Government has plans to extend the installation and implementation of the Air Quality Early Warning System to other Indian States/cities including Jammu and Kashmir after Delhi, Kanpur and Lucknow; and
- (d) 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) & (b). Different public and private institutions/organizations conduct research on environment health. It is not possible for Government to comment on each of these. Air pollution is one of the many factors affecting respiratory ailments and associated diseases. Besides the environmental factors, health is impacted by a number of factors such as socio-economic, occupational, food habits, life style, and immunity of the individual.

The Air Quality Index (AQI) data of Srinagar in the year 2022 reveal that 94% days were under Good, Satisfactory or Moderate Categories. There was no Severe Category day and only 2 days were with very Poor Category of AQI. The AQI data are given in Annexure.

(c) & (d). The Ministry of Earth Sciences 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 meter and in other major cities like Kanpur and Lucknow, at a resolution of 10 kilometers. This prototype system serves as a noteworthy contribution towards improving air quality management in India. 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.

In addition, Central Pollution Control Board publishes real time Air Quality Index (AQI) for 242 cities in 31 States/UTs. The AQI data can be accessed at [https://app.cpcbcr.com/AQI\\_India/](https://app.cpcbcr.com/AQI_India/).

\*\*\*\*

**Annexure**

Annexure referred to in reply to Part (a) of Lok Sabha Unstarred Question No. 5087 due for reply on 03.04.2023, by Shri PradyutBordoloi, Shri Shyam Singh Yadav and Shri HasnainMasoodi.

**AQI data of Srinagar for the year 2022**

Air Quality Index of Srinagar (Year:2022)						
Months	Good	Satisfactory	Moderate	Poor	Very Poor	Severe
	(0–50)	(51–100)	(101–200)	(201–300)	(301–400)	(>401)
Jan 2022	-	-	17	7	2	-
Feb 2022	1	8	13	4	-	-
Mar 2022	22	7	-	-	-	-
Apr 2022	23	1	-	-	-	-
May 2022	9	16	2	-	-	-
Jun 2022	6	14	8	-	-	-
Jul 2022	10	14	-	-	-	-
Aug 2022	19	8	-	-	-	-
Sep 2022	22	4	-	-	-	-
Oct 2022	5	10	5	3	-	-
Nov 2022	1	11	7	3	-	-
Dec 2022	2	11	6	-	-	-
<b>Total No of Days</b>	<b>120</b>	<b>104</b>	<b>58</b>	<b>17</b>	<b>2</b>	<b>0</b>