

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO. 555
TO BE ANSWERED ON WEDNESDAY, 3RD DECEMBER, 2025**

CLOUD SEEDING OPERATIONS

555. MS. MAHUA MOITRA:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether it is a fact that the ongoing cloud seeding operations in various parts of the country including Kanpur and nearby regions have been stopped due to a decline in atmospheric humidity;
- (b) if so, the details thereof and the reasons for such reduction in humidity levels;
- (c) the total expenditure incurred on cloud seeding operations so far during the current year;
- (d) whether the Government has assessed the effectiveness and outcomes of these cloud seeding experiments; and
- (e) if so, the details thereof and findings of such assessment along with the future plan for similar operations?

ANSWER

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

- (a) The Ministry of Earth Sciences (MoES) is not involved in the ongoing cloud seeding operations in various parts of the country. However, the Indian Institute of Tropical Meteorology (IITM) under the Ministry had conducted a research study on rain enhancement through cloud seeding in the rain shadow region of India during the period 2017-2019 through the Cloud Aerosol Interaction and Precipitation Enhancement Experiment (CAIPEEX) Program. Details of this research project and the outcome of the study are available at <https://www.tropmet.res.in/~lip/Publication/Technical-Reports/CAIPEEX-Report-July2023.pdf>.

(b)-(e) The question does not applicable in this scenario.
