

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION NO. 1960
ANSWERED ON 12/12/2024

CLOUD SEEDING

1960. SHRI S NIRANJAN REDDY:

Will the Minister of **EARTH SCIENCES** be pleased to state:

- (a) the regulations governing cloud seeding and the details thereof;
- (b) whether Government plans to launch a policy for cloud seeding, if so, the details thereof, if not, the reasons therefor; and
- (c) whether Government has carried out any studies on the short term and long term impact of cloud seeding on the environment, if so, the details thereof?

ANSWER

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

- (a)- (c) The present scientific knowledge suggests artificial rain-making techniques involving cloud seeding cannot be used as an alternative for bringing rain to rainfall deficit/drought areas. A scientific investigation was conducted over a rain-shadow region of the Western Ghats mountains in India by the Indian Institute of Tropical Meteorology (IITM), a program named “Cloud Aerosol Interaction and Precipitation Enhancement Experiment (CAIPEEX)”. The aerosol-cloud interaction and rain formation over the Indian region have been studied under the above-mentioned program. The scientific outcome and its results are presented in various scientific journals.
