GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

RAJYA SABHA

UNSTARRED QUESTION NO. 135

TO BE ANSWERED ON THURSDAY, JANUARY 29, 2026

LAUNCH OF ANALOG SPACE MISSION

135. SHRI MEDA RAGHUNADHA REDDY:

Will the PRIME MINISTER be pleased to state:

(a) the objectives and expected outcomes of India's first analog space mission launched in Leh, including the specific challenges it aims to address for future lunar missions;

(b) the role of various organizations, including ISRO, AAKA Space Studio and academic institutions, in planning and execution of this mission and whether similar collaborations are planned for future space missions; and

(c) whether Government has identified any specific technologies or research initiatives stemming from this mission that could enhance India's capabilities in human spaceflight and exploration and if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND IN THE PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

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(a) The objectives of India's first analog mission was to evaluate the feasibility and effectiveness of space analogs for understanding various aspects of human space missions w.r.t. mission management and protocol & procedure development for specific conditions that Crew undergoes during the mission by simulating similar conditions on ground.

(b) For the first analog mission, ISRO provided the technical requirements, M/s AAKA Space Studio handled the site infrastructure, statutory approvals and selection of analog volunteers. IIT Bombay provided technical expertise for designing

experiments and equipment for behavioural and cognitive assessment. Based on the programmatic requirements, utilisation of analog missions will be explored in future.

(c) Space analog simulates isolation, confinement and extreme conditions on ground which is analogous to space missions and provides critical insight into human behaviour, ground communication, team coordination under extreme conditions and efficacy of countermeasure. These insights are utilized to develop & refine protocols and procedures for the human spaceflight missions.

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