O.I.H.

GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

RAJYA SABHA

UNSTARRED QUESTION NO. 1093

TO BE ANSWERED ON THURSDAY, FEBRUARY 13, 2025

MOON MISSION

1093. SHRI DEEPAK PRAKASH:
DR. ANIL SUKHDEORAO BONDE:

Will the PRIME MINISTER be pleased to state:

(a) Whether Chandrayaan-3 has achieved all its objectives set for the mission;

(b) If not, the objectives left with and details thereof; and

(c) If so, the plans for ISRO to carry out the moon mission programmes in future?

ANSWER

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

****

(a) Yes, Sir.

(b) Question does not arise.

(c) The Government has announced the India's Space Vison 2047, which targets Indian Moon landing by 2040. Towards this, the government has recently approved two new missions to demonstrate critical foundational technologies. The details are as follow:

Chandrayaan – 4:

- To demonstrate key first level technologies for future crewed mission to Moon that includes safe and soft landing on Lunar surface.
- Lunar sample collection and containerization.

- Ascend from the Moon's surface.
- Docking and undocking in Lunar Orbit
- Transfer of samples from one module to other
- Return and re-entry to Earth for sample delivery.

Further, study of the lunar samples in greater detail, scientifically compared to the limited studies which the lander and rover mission could do in-situ is envisaged.

Chandrayaan – 5/ LuPEX:

The mission is undertaken in collaboration with Japan Aerospace Exploration Agency (JAXA). The Spacecraft comprises of following:

I. Lunar Lander design & development by ISRO along with the ground segment element that includes post mission operations, Network support, Science data utilization inter-alia and,
II. Rover design & development and launch by JAXA

The major objectives of Chandrayaan-5 are as follows:

I. To ensure safe, soft and precise landing of the Lander Module at South Pole Region.
II. To design, develop and realize a Lander to carry a Rover of approximately 350 Kg.
III. To release the rover from Lander and deploy onto the lunar surface.
IV. To design, develop and realize the scientific instruments that are accommodable on the rover and carry out in-situ measurements and analysis at the Lunar South Pole region.

****