

ISRO and JAXA Review Joint Moon Mission Chandrayaan-5 Preparations

Japanese space agency JAXA delegation visited UR Rao Satellite Centre in Bengaluru to review Chandrayaan-5 (LUPEX) preparations.

Chandrayaan-5 (LUPEX) is a joint lunar exploration mission by India's ISRO and Japan's JAXA to explore the Moon's polar region.

KEY EXAM POINTS

- Scientists from Japan Aerospace Exploration Agency (**JAXA**) visited the **UR Rao Satellite Centre** in **Bengaluru** to review the progress of **Chandrayaan-5**.
- Chandrayaan-5, also known as the **Lunar Polar Exploration Mission (LUPEX)**, is targeted for launch in **2028**.
- The mission will be launched using **Japan's H3 rocket**.
- Under this joint project, **ISRO** is developing the **lander** module, while **JAXA** is building the lunar **rover**.
- The mission will carry **seven** scientific payloads to survey lunar topography and analyse **water and ice deposits**.

STATICS & SYLLABUS FOCUS

ISRO was established on **August 15, 1969**, and is headquartered in **Bengaluru**, Karnataka.

Japan Aerospace Exploration Agency (**JAXA**) was established on **October 1, 2003**.

UR Rao Satellite Centre (URSC) in Bengaluru is ISRO's lead centre for satellite design and development.

Chandrayaan-1 was launched on **October 22, 2008**, using **PSLV-C11** rocket.

Chandrayaan-2 was launched on **July 22, 2019**, carrying an Orbiter, **Vikram Lander**, and **Pragyan Rover**.

Chandrayaan-3 successfully soft-landed near the Moon's south pole on **August 23, 2023**.

Government of India designated **August 23** as **National Space Day** to mark Chandrayaan-3's landing.

REVISION FLASHCARD

Chandrayaan-5 (LUPEX): ISRO-JAXA joint lunar polar mission scheduled for 2028 using Japan's H3 rocket.

Syllabus Relevance: High importance for Unit 1 Science & Tech and Unit 2 National & International Current Events.

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