

Skyroot Aerospace Set to Launch India's First Private Orbital Rocket Vikram-1

Skyroot Aerospace is set to launch India's first privately developed orbital rocket, Vikram-1, from Sriharikota.

Vikram-1 is an orbital-class launch vehicle designed and developed entirely by private space firm Skyroot Aerospace.

KEY EXAM POINTS

- **Skyroot Aerospace** will conduct the maiden test launch of **Vikram-1** from the **Satish Dhawan Space Centre** (SDSC-SHAR) in Sriharikota.
- Vikram-1 represents India's first flight of an **orbital-class rocket** designed and developed entirely by a **private Indian company**.
- Relevant aviation and maritime authorities issued mandatory **airspace and maritime notifications** prior to the launch.
- **Restricted zones** have been officially designated along the rocket's ascent path and planned impact corridor.

STATICS & SYLLABUS FOCUS

Skyroot Aerospace launched **Vikram-S** in **November 2022**, making it India's first privately developed sub-orbital rocket under Mission **Prarambh**.

The Vikram series rockets are named as a tribute to **Dr. Vikram Sarabhai**, the **father of the Indian Space Programme**.

IN-SPACE (Indian National Space Promotion and Authorisation Centre) was established in **2020** as an autonomous single-window agency under the **Department of Space** to encourage private participation.

NewSpace India Limited (NSIL) was incorporated in **March 2019** as the commercial arm of ISRO under the administrative control of Department of Space.

Indian Space Research Organisation (ISRO) was founded on **August 15, 1969**, and is headquartered in **Bengaluru**, Karnataka.

Satish Dhawan Space Centre (SDSC-SHAR) is located in **Sriharikota**, **Andhra Pradesh**, and functions as India's primary spaceport.

REVISION FLASHCARD

Vikram-1 is India's first privately developed orbital rocket, manufactured by Skyroot Aerospace.

Syllabus Relevance: Highly relevant for TNPSC Group 1, 2, 2A, and 4 under Unit 1 (General Science - Science & Technology) and Unit 2 (Current Events).

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