FOR IMMEDIATE RELEASE

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HOVERIT COMPLETES INTEGRATED FLIGHT DEMONSTRATION OF INDIGENOUS ROCKET-ASSISTED TAKE-OFF SYSTEM ON DIVYASTRA MK-1

Indigenously designed RATO system, including mortar manufacture and launch cradle fabrication, validated through static firing and integrated flight. Development of an 8 kN-class variant initiated.

LUCKNOW, 20 November 2026 - Hoverit (Kawa UAV Pvt. Ltd.) today announced the successful integrated flight demonstration of its indigenously developed **Rocket-Assisted Take-Off (RATO) system** on the **Divyastra Mk-1** platform. The demonstration met all predefined launch and mission parameters and marks the transition of Hoverit's RATO programme from ground validation to flight-proven capability.

The system is powered by a **1.2 kN-class (1,200 N) solid rocket motor** developed entirely in-house. Hoverit retained full design authority across the complete development lifecycle, spanning system architecture, launch cradle design and fabrication, mortar manufacture, platform integration and test and evaluation.

TEST CAMPAIGN

The programme was executed through a phased validation campaign. **Three static firing tests** were conducted to characterise thrust performance, verify ignition reliability and validate the structural integrity of the mortar and cradle assembly under operational loads. Following successful completion of the static test series, the fully integrated RATO system was launched with the Divyastra Mk-1 on **20 November 2026**, with all mission parameters achieved.

OPERATIONAL CAPABILITY

RATO provides runway-independent launch for unmanned aerial platforms, enabling deployment from vehicle-mounted, shipborne and forward-area launch configurations where space and infrastructure are constrained. The system delivers rapid launch readiness with a reduced ground footprint, supporting tactical flexibility across diverse operating environments.

Indigenous development of the complete RATO system establishes a sovereign propulsion and launch capability, reduces dependence on imported subsystems and gives Hoverit full control over performance optimisation, configuration management and production scalability.

> *"Today's flight demonstration validates Hoverit's ability to take a critical propulsion subsystem from concept through ground qualification to integrated flight, entirely within our own engineering and manufacturing ecosystem. Full ownership of the mortar, launch cradle and integration gives us complete control over the system's performance envelope. With this foundation in place, we are scaling to an 8 kN-class system to support heavier and longer-range platforms."*
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> ***- Co-founders, Hoverit (Kawa UAV Pvt. Ltd.)***

NEXT PHASE: 8 kN-CLASS RATO SYSTEM

Building on the flight-proven 1.2 kN-class system, Hoverit has initiated development of an **8 kN-class (8,000 N) RATO system**. The higher-thrust configuration is designed to support heavier unmanned platforms and will scale the company's capabilities in mortar manufacturing, filling, static test infrastructure and system integration.

ACKNOWLEDGEMENTS

Hoverit recognises the contribution of its engineering, R&D, manufacturing and test teams. The company also acknowledges the **Government of India** and the **Government of Uttar Pradesh** for their continued support of domestic defence manufacturing through **Atmanirbhar Bharat** and the **Uttar Pradesh Defence Industrial Corridor**.

MEDIA AND BUSINESS ENQUIRIES

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