

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
UNSTARRED QUESTION NO.5191
TO BE ANSWERED ON 02.04.2025**

GLOBAL HYPERLOOP COMPETITION 2025

**5191.SHRI KARTICK CHANDRA PAUL:
SMT. APARAJITA SARANGI:**

Will the Minister of RAILWAYS be pleased to state:

- (a) the details of the key technological breakthroughs showcased by participants during the Global Hyperloop Competition 2025;**
- (b) the manner in which the collaboration between Indian Railways and IIT Madras on the Vertical Take-Off & Landing (VTOL) Vehicle project supports innovation in transportation; and**
- (c) the details of the steps planned to integrate Hyperloop and VTOL innovations into India's transportation ecosystem?**

ANSWER

**MINISTER OF RAILWAYS, INFORMATION & BROADCASTING AND
ELECTRONICS & INFORMATION TECHNOLOGY**

(SHRI ASHWINI VAISHNAW)

(a) to (c): Research Designs and Standards Organisation (RDSO), a unit under Ministry of Railways, has signed Memorandum of Understanding (MoU) with IIT/Madras on 22.09.2022 for setting up a Centre of Excellence for Hyperloop technology with the objective of development of sub scale mode of Pod, Test Track & Vacuum Tube facility of the futuristic full scale Hyperloop at IIT/Madras for validation of this technology.

The Global Hyperloop Competition 2025, held at IIT Madras, demonstrated the rapid advancements in Hyperloop technology, with participant teams pushing the boundaries of engineering, design, and business strategy. Through cutting-edge pod systems, visionary infrastructure concepts, and comprehensive market strategies, these innovations may help in realizing an efficient, sustainable, and high-speed transportation future.

As an initiative, Research Designs and Standards Organisation (RDSO), a unit under Ministry of Railways, has signed Memorandum of Understanding (MoU) with IIT/Madras in December 2024 for VTOL innovation and using it for Railway applications.
