

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

RAJYA SABHA
UNSTARRED QUESTION NO.3313
ANSWERED ON 28.03.2025

GLOBAL HYPERLOOP COMPETITION 2025

3313. DR. ANIL SUKHDEORAO BONDE:
SHRI BRIJ LAL:
SHRI SANT BALBIR SINGH:

Will the Minister of RAILWAYS be pleased to state:

- (a) the key technological innovations presented by participants in the Global Hyperloop Competition 2025;
- (b) the manner in which the collaboration between Indian Railways and IIT Madras on the Vertical Take-Off and Landing (VTOL) vehicle project is expected to support innovation in transportation; and
- (c) the steps planned for the integration of Hyperloop and VTOL innovations into India's transportation system?

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.
