

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
STARRED QUESTION NO.479
TO BE ANSWERED ON 28.03.2018**

TECHNOLOGY MISSION FOR RAILWAYS

***479. SHRI B. VINOD KUMAR:**

Will the Minister of RAILWAYS be pleased to state:

(a) whether a Memorandum of Understanding (MoU) on Technology Mission for Indian Railways was signed by the Ministries of Railways, Human Resource Development and Science and Technology to facilitate collaboration and cooperation among the Ministries and to take up research and development projects in the areas of heavy haul, safety, energy, environment and urban railways; and

(b) if so, the details thereof?

ANSWER

MINISTER OF RAILWAYS AND COAL

(SHRI PIYUSH GOYAL)

(a) & (b): A Statement is laid on the Table of the House.

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) AND (b) OF
STARRED QUESTION NO. 479 BY SHRI B. VINOD KUMAR TO BE
ANSWERED IN LOK SABHA ON 28.03.2018 REGARDING
TECHNOLOGY MISSION FOR RAILWAYS**

(a): Yes, Madam.

(b): Memorandum of Understanding (MOU) between Ministry of Railways, Ministry of Human Resource Development and Department of Science and Technology (Ministry of Science & Technology) has been signed on 4th January, 2018 at New Delhi for implementation of "Technology Mission for Indian Railways (TMIR)". Major areas of cooperation and technology development for Indian Railways have presently been identified along with respective design capabilities, manufacturing and maintenance practices for various assets, as under :

- (i) Throughput Enhancement**
- (ii) Heavy Haul Technologies**
- (iii) High Speed Technologies**
- (iv) Safety with Improved Asset Maintenance and Reliability**
- (v) Energy Systems**
- (vi) Environmental Technologies**
- (vii) Urban Railway Systems**

Detailed projects in above areas would be formulated by Ministry of Railways and these identified areas would be added/improved upon dynamically from time to time, as per needs & priorities of Railways.
