**GOVERNMENT OF INDIA**
**MINISTRY OF RAILWAYS**

**LOK SABHA**
**UNSTARRED QUESTION NO. 6429**
**TO BE ANSWERED ON 12.04.2017**

# DEPLOYMENT OF RAIL ROBOTS

**6429. SHRI ANURAG SINGH THAKUR:**

**Will the Minister of RAILWAYS be pleased to state:**

**(a) whether the Railways is considering deploying rail robots in order to detect fractures in railway tracks and if so, the details thereof and if not, the reasons therefor;**

**(b) whether the Railways is planning to consult the World Bank to help them identify specific areas that require investment from the Rail Sanraksha Kosh;**

**(c) if so, the details thereof and the time by which the World Bank is expected to give its report;**

**(d) whether an MoU has been signed with the Italian Railways to jointly work towards improving the safety of Indian Railways; and**

**(e) if so, the details of this agreement and the areas that the Italian Railways will be helping in?**

## ANSWER

**MINISTER OF STATE IN THE MINISTRY OF RAILWAYS**

**(SHRI RAJEN GOHAIN)**

**(a) No, Madam. Indian Railways has a system of daily inspection of railway tracks by keyman to detect fractures as per laid down provisions of Indian Railways Permanent Way Manual (IRPWM). In addition, cold weather patrolling of track during specific period is done as per instructions of**

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**manual of long welded rail. Also, a trial of Broken Rail Detection System based on guided ultrasonic waves to detect fractures in rail has been undertaken on 25 km railway track length each on Northern Railway and North Central Railway.**

**(b) No, Madam.**

**(c) Does not arise.**

**(d) & (e) Yes, Madam. A Memorandum of Understanding has been signed between Ministry of Railways and the Ferrovie Dello Stato Italiane S.P.A. of the Republic of Italy on 31.01.2017 in rail sector for technical cooperation which includes safety audit of Indian Railways and measures required for enhancing safety in train operation, assessment and certification of advanced technology based on safety products and systems to Safety Integrity Level 4 (SIL4), training and competency development with focus on safety including in areas of advanced signalling and train control systems, modern trends in maintenance and diagnostic & any other area jointly identified by the participants.**

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