GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

LOK SABHA
UNSTARRED QUESTION NO.4494
TO BE ANSWERED ON 29.03.2017

SAFETY PLAN AFTER RECENT TRAIN ACCIDENTS

†4494. SHRI KAUSHALENDRA KUMAR:
SHRI JOSE K. MANI:
SHRI KUNDARIYA MOHAN BHAI KALYANJI BHAI:

Will the Minister of RAILWAYS be pleased to state:

(a) whether the Government is working on any safety plan after taking lessons from the several fatal train accidents that happened recently and if so, the details thereof;

(b) whether the railways is also working on any scheme of installing anti-collision devices in the trains under the safety action plan; and

(c) if so, the details thereof and the details of the other safety measures being taken which will prevent train accidents in future?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS

(SHRI RAJEN GOHAIN)

(a) to (c): A Statement is laid on the Table of the House.

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STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO.4494 BY SHRI KAUSHALENDRA KUMAR, SHRI JOSE K. MANI AND SHRI KUNDARIYA MOHAN BHAI KALYANJI BHAI TO BE ANSWERED IN LOK SABHA ON 29.03.2017 REGARDING SAFETY PLAN AFTER RECENT TRAIN ACCIDENTS

(a): Indian Railways accord highest priority to safety in train operations. Safety measures taken on Indian Railways is a continuous process which envisage accident prevention and mitigation directed towards continuous reduction in risk level to its customers. This is done by adopting new technologies and improvement in asset reliability to reduce human dependency. In the Budget 2017-18, setting up of a Rashtriya Rail Sanraksha Kosh (RRSK) has been announced with a corpus of 1 lakh crore over a period of 5 years. A provision of 20,000 crore has been made in Budget 2017-18 towards RRSK to fund essential safety works.

(b) & (c): Railways have introduced new technologies such as Train Protection Warning System (TPWS)/ Train Collision Avoidance System (TCAS) as means of Automatic Train Protection on pilot section to prevent accident due to over speeding & passing signal at danger. Further the TPWS System is under implementation at 3330 RKMs section on Suburban/High-density Route. During 2017-18, work of TCAS System at 1427 RKM has also been sanctioned. Other Safety measures taken to prevent accidents include Vigilance Control Device (VCD) to check alertness of Loco Pilot, Electrical/Electronic Interlocking System with Centralized operations of points to eliminate human failure, Complete Track Circuiting, Axle Counter for Automatic Clearance of Block Section (BPAC), interlocking of manned

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Level Crossing gates and replacement of filament type signal with Light Emitting Diode (LED) Signals. Safety measures taken to improve safety of Railway Track include usage of prestressed concrete sleepers, 60 Kg, 90 or higher Ultimate Tensile Strength (UTS) Rails, Long Rail Panels of 260m/130m length, provision of Thick Web Switches (TWS) for all important routes and Track Management System. It has also been decided to gradually phase out ICF Coaches and replace them by new design light weight modern technology Linke Hofmann Busch (LHB) Coaches, introduce high capacity Centre Buffer Couplers (CBC) and Bogie Mounted Brake System (BMBS). Indian Railways is gradually moving towards automatic condition monitoring of Rolling Assets. As a part of this initiative, Railways are installing Wheel Impact Load Detectors (WILD), Online Monitoring of Rolling Stock System (OMRS) and Centralized Bearing Monitoring System (CBMS) in a phased manner.

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