

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

RAJYA SABHA
UNSTARRED QUESTION NO. 1578
ANSWERED ON 15.12.2023

MONITORING OF BRAKING SYSTEM IN TRAINS

1578 MS. DOLA SEN:

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the braking systems of trains are monitored for potential issues or wear and tear frequently;
- (b) if so, the details thereof, if not, the reasons therefor;
- (c) whether Government has specific protocols or technologies employed to detect and address brake-related concerns in a timely manner;
- (d) if so, the details thereof, if not, the reasons therefor; and
- (e) the incidence rate of brake-related incidents and actions taken to rectify these issues in 2022-23 and 2023-present, and if so, the details thereof ?

ANSWER

MINISTER OF RAILWAYS, COMMUNICATIONS AND
ELECTRONICS & INFORMATION TECHNOLOGY

(SHRI ASHWINI VAISHNAW)

(a) to (e) Brake system of trains are inspected and maintained as per respective Rolling stock maintenance manuals, and instructions issued by RDSO and Railway Board in this regard, from time to time. Accordingly, scheduled attention is given to Brake systems for maintenance and overhauling of its various components at pre-defined intervals, in various depots and workshops over IR.

During these maintenance schedules, different sub-systems/components of the air brake system are checked, overhauled and tested using Test rigs (both Single Car & Rake). The brake system is checked for ensuring its proper functioning with performance tests as per the standard format provided in maintenance manual and accordingly, the Brake Power Certificate (BPC) is issued for the entire rake for operation of Train service.

Design Improvement is a continuous process in Indian Railways. Bogie and Brake Designs are reviewed on an ongoing basis and from time to time various modifications are undertaken to improve their design and reliability.