

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

RAJYA SABHA
UNSTARRED QUESTION NO. 2036
ANSWERED ON 17.03.2023

TRAIN ACCIDENT DUE TO DEFECTIVE BRAKE SYSTEM

2036. SHRI SYED NASIR HUSSAIN:

DR. AMEE YAJNIK:

Will the Minister of RAILWAYS be pleased to state:

- (a) whether inquiry has been conducted to find out reasons behind head-on collision of two trains in Uttar Pradesh on February 16, 2023, if so, findings of the investigation;
- (b) whether any action has been taken to rectify defect in Bogie-Mounted Brake (BMB) system, if not, the reasons therefor;
- (c) number of trains currently running, equipped with German made BMB system;
- (d) number of accidents occurred due to faulty braking system in last five years;
- (e) whether BMB was red flagged by Research Design and Standards Organization in July 2022; and
- (f) if so, action taken in this regard between July 2022 and February 2023?

ANSWER

MINISTER OF RAILWAYS, COMMUNICATIONS AND
ELECTRONICS & INFORMATION TECHNOLOGY

(SHRI ASHWINI VAISHNAW)

(a): Yes, Sir. The inquiry is under process. Findings of the investigation depend upon the Final Inquiry Report.

(b): Yes Sir, the following actions have been taken by Indian Railways between July, 2022 and Feb, 2023;

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- i) Railway Board formed a committee comprising officers from RDSO and Zonal Railways for investigation of issues related to Bogie Mounted Brake System (BMBS).
 - ii) The committee brought out deficiency related to brake force and inconsistent braking distances in Bogie Mounted Brake System (BMBS) of one of the firms.
 - iii) The particular firm has been de-listed from the list of approved suppliers.
 - iv) The maximum speed of loaded trains with more than fifty percent wagons with Bogie Mounted Brake System has been restricted.
 - v) Instructions for running goods trains with mixed brake system composition of wagons, i.e. with brake systems of affected design and other existing design, have been issued to the Zonal Railways.
 - vi) The particular firm has proposed design corrections in their Brake System (BMBS) and instrumented field trials are planned to validate the same.
 - vii) As an interim measure, replacement of BMBS of the particular firm with other design Brake System has been decided.
- (c): No train is currently running equipped with German made bogie mounted brake system. However, the BMB system is being manufactured in India by a wholly owned subsidiary of the German company. Approximately 88,000 wagons are running, which are equipped with this type of design of bogie mounted brake system (BMBS).
- (d): During the last five years i.e. from 2017-18 to 2021-22, no consequential train accident took place due to faulty braking system, on Indian Railways. However during current year i.e. 2022-23, one consequential train accident took place due to faulty braking system, on Indian Railways.
- (e) & (f): The deficiency related to brake force and inconsistent braking distance in BMB System was raised by RDSO in July 2022. The action taken in this regard between July 2022 and February 2023 are given above in reply of Para (b).
