GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

RAJYA SABHA
UNSTARRED QUESTION NO. 1098
ANSWERED ON 28.07.2023

FAILURE OF RAILWAY INTERLOCKING SIGNAL SYSTEM

1098. SHRI PARIMAL NATHWANI:

Will the Minister of RAILWAYS be pleased to state:

(a) the steps taken by Government to prevent Railway Interlocking Signal System failure that are the major reasons for train accident tragedies;

(b) the number of incidents of Railway Interlocking Signal System failure that have been registered in the country in last one year; and

(c) the steps taken by Government to prevent Railway Interlocking Signal System failure?

ANSWER

MINISTER OF RAILWAYS, COMMUNICATIONS AND
ELECTRONICS & INFORMATION TECHNOLOGY

(SHRI ASHWINI VAISHNAW)

(a) to (c) There has been no case of Railway Interlocking Signal System failure in the last one year. However, in order to enhance safety, Indian Railway is continuously upgrading its Signalling System by provision of following:

1. Provision of Electrical/Electronic Interlocking System with centralized operation of points and signals in place of old mechanical signalling.
2. Complete Track Circuiting of stations to enhance safety for verification of track occupancy by electrical means has been provided at stations.
3. Interlocking of Level Crossing Gates (LC) for enhancing safety at LC Gate.
4. Block Proving Axle Counter (BPAC) for automatic clearance of block sections are provided to ensure complete arrival of train without manual intervention before granting line clear to receive next train and to reduce human element.
5. Indian Railway has indigenously developed Automatic Train Protection (ATP) system Kavach.
   Kavach aids the loco pilot in train running within specified speed limits by automatic application of brakes in case Loco Pilot fails to do so and also help the train safely run during inclement weather.

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