

**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS**

**LOK SABHA  
UNSTARRED QUESTION NO. 2701  
TO BE ANSWERED ON 11.12.2024**

**AUTOMATIC BLOCK SIGNALING**

**2701. SHRI JAGDAMBIKA PAL:**

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

- (a) the details of Automatic Signaling and the manner in which it improve train operations;**
- (b) the details about the existing guidelines for provision of Automatic Block Signaling over Indian Railways; and**
- (c) the details of route Kilometers that have been provided with Automatic Block Signaling during the last ten years?**

**ANSWER**

**MINISTER OF RAILWAYS, INFORMATION & BROADCASTING AND  
ELECTRONICS & INFORMATION TECHNOLOGY**

**(SHRI ASHWINI VAISHNAW)**

- (a) to (c): Automatic Signalling is a system of train working in which movement of the trains is controlled by the automatic stop signals. These signals are operated automatically by the passage of trains into and out of the automatic signalling sections. In this system, more than one train can be moved in block section**

**between two stations. Automatic Block Signalling enhances line capacity within existing track infrastructure.**

**Automatic Block Signalling also improves safety as all LC gates are required to be interlocked and complete track is provided with train detection equipment.**

**The provision of Automatic Block Signalling is made on all notified sub-urban sections and routes identified by Zonal Railways based on traffic requirements.**

**The details of Automatic Block Signaling provided on Indian Railways during 2004-2014 vis-a-vis 2014-2024 is as under:**

<b>Period</b>	<b>Progress of Automatic Signalling</b>
<b>2004-2014</b>	<b>1486 Rkm</b>
<b>2014-2024</b>	<b>2497 Rkm (about 1.7 times)</b>

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