

**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS**

**LOK SABHA  
UNSTARRED QUESTION NO. 1456  
TO BE ANSWERED ON 04.12.2024**

**STATUS OF ELECTRIFICATION AND EXPANSION OF TRACKS**

**1456. SHRI DUSHYANT SINGH:  
SHRI C N ANNADURAI:  
SHRI SELVAM G:  
SHRI NAVASKANI K:**

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

- (a) the status of railway line electrification projects currently underway in the country;**
- (b) the length of railway lines have been electrified in Tamil Nadu and Jhalawar-Baran, Rajasthan during the last five years and the details of the remaining works;**
- (c) the targets set for the completion of said line electrification across the country;**
- (d) whether there is anticipated reduction in travel times and operational costs as a result of the said rail lines, if so, the details thereof;**
- (e) whether the Government has plan to monitor the environmental impact of electrification project, especially about reducing carbon emissions, dependence on fossil fuels and contributing to India's climate action commitments, if so, the details thereof;**
- (f) whether high-demand railway corridors have been prioritized for electrification, if so, the details thereof;**
- (g) the mechanisms are in place for monitoring the progress of electrification projects across the country; and**
- (h) any specific technological innovations or collaborations with global partners being purposed to optimize the electrification process and minimize its ecological footprint in India, if so, the details thereof, if not, the reasons therefor?**

**ANSWER**

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

**(SHRI ASHWINI VAISHNAW)**

**(a) to (h) A Statement is laid on the Table of the House.**

**\*\*\*\***

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (h) OF UNSTARRED QUESTION NO. 1456 BY SHRI DUSHYANT SINGH, SHRI C N ANNADURAI, SHRI SELVAM G AND SHRI NAVASKANI K TO BE ANSWERED IN LOK SABHA ON 04.12.2024 REGARDING STATUS OF ELECTRIFICATION AND EXPANSION OF TRACKS**

**(a) to (h) Indian Railways (IR) has taken up electrification of Broad Gauge (BG) Railway lines in a Mission mode. Electrification done during 2014-24 and prior to 2014 is as under:**

<b>Period</b>	<b>Electrification done (RKM)</b>
<b>Prior to 2014</b>	<b>21,801 RKM</b>
<b>2014-24</b>	<b>44,199 RKM (including 30,512 RKM during 2019-24)</b>

**During 2014-2024; 2,152 Route km (RKM) and 4,993 RKM have been electrified, in the states of Tamil Nadu and Rajasthan respectively which includes 1,417 Route RKM and 4,070 RKM electrified during 2019-24.**

**At present, 97% of the total BG network of the Indian Railways has been electrified.**

**Jhalawar-Baran (via Kota) railway line has already been electrified.**

**The completion of Electrification project(s) depends on various factors like forest clearances, right of way for the incoming transmission lines and its commissioning, shifting of infringing utilities, statutory clearances from various authorities, geological and topographical conditions of area, law & order situation in the area of project(s) site, number of working months in a year for particular project site due to climatic conditions etc. All these factors affect the completion time of the project(s).**

**Railway is a more environment friendly and energy efficient mode of transportation with substantially lower CO2 emissions. Further, to lower dependence on the fossil fuels and to reduce oil imports, 366 Mega Watt (MW) of Solar Plants (both Rooftops and land) and about 103 MW of Wind Power Plants have been commissioned over Indian Railways.**

**\*\*\*\*\***