

**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS**

**LOK SABHA  
UNSTARRED QUESTION NO. 1641  
TO BE ANSWERED ON 13.12.2023**

**CONSUMPTION OF ELECTRICITY IN RAILWAYS**

**1641. SHRI RAJESHBHAI CHUDASAMA:**

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

- (a) whether the Railways has plans to achieve 100 per cent electrification by 2023;**
- (b) if so, the details of the target that has been achieved till date;**
- (c) the expected increase in electricity consumption due to 100 per cent electrification; and**
- (d) the manner in which Railways is likely to ensure that the increased electricity demand is met through renewable sources?**

**ANSWER**

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

**(SHRI ASHWINI VAISHNAW)**

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

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**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 1641 BY SHRI RAJESHBHAI CHUDASAMA TO BE ANSWERED IN LOK SABHA ON 13.12.2023 REGARDING CONSUMPTION OF ELECTRICITY IN RAILWAYS**

**(a) & (b) Significant progress has been made so far in electrification of Broad Gauge (BG) lines of Indian Railways. So far, BG lines of 60,814 km of Indian Railways have been electrified upto November, 2023. Out of this 39,013 km have been electrified during 2014- upto Nov' 23, as against 5,188 km during 2004-14.**

**(c) Based on the present electricity consumption for traction purpose of Indian Railways (IR), the expected increase in electricity consumption after 100 percent electrification is estimated to be about 30.13 billion units (BU). The actual demand will depend on the future passenger and goods traffic over IR.**

**(d) Indian Railways is progressively procuring renewable energy from different power procurement modes like Round the Clock (RTC), Solar and Wind based renewable power, for its present and future energy requirements.**

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