

GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 1262**  
**ANSWERED ON 16.12.2022**

**ELECTRIFICATION OF RAILWAYS**

1262 SMT. VANDANA CHAVAN:

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways is aiming to achieve 100 per cent electrification by 2023;
- (b) if so, how much of the target has been achieved till date;
- (c) the expected increase in electricity consumption due to 100 percent electrification; and
- (d) how Railways will ensure 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. 1262 BY SMT. VANDANA CHAVAN IN RAJYA SABHA ON 16.12.2022 REGARDING ELECTRIFICATION OF RAILWAYS**

(a) Yes, Sir. Indian Railways (IR) has embarked upon a major electrification program to electrify its Broad Gauge (BG) network in a Mission mode.

(b) 83% of Broad Gauge (BG) network of Indian Railways has been electrified upto November, 2022.

(c) Annual consumption of Electricity for traction purpose by Indian Railways during 2021-22 was 21.7 Billion Units. After complete electrification of broad gauge routes, electric traction consumption will depend on the future traffic growth of its passenger and goods services and is estimated to be about 30 Billion Units.

(d) So far, about 143 Mega Watt (MW) of solar plants (both on Rooftops and on land) and about 103 MW of Wind power plants have already been commissioned (till 30.11.2022) over Indian Railways. Further, about 2150 MW of renewable capacity has also been tied up. IR has planned to progressively procure renewable energy from different power procurement modes for its future energy requirements.

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