

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
UNSTARRED QUESTION NO. 517
TO BE ANSWERED ON 06.12.2023**

RAILWAY ELECTRIFICATION

**517. SHRI L.S. TEJASVI SURYA:
DR. UMESH G. JADHAV:
SHRI NALIN KUMAR KATEEL:
SHRI PRATHAP SIMHA:**

Will the Minister of RAILWAYS be pleased to state:

- (a) the present status of railway electrification and doubling of lines in the country, State-wise;**
- (b) the number of kilometres of railway electrification achieved since 2014 and the existing length of electrification in the country pre-2014;**
- (c) the timeline likely to be taken to complete the remaining railway electrification;**
- (d) the total cost spent so far, year-wise, for completing the electrification works; and**
- (e) the long-term impact to be achieved by the country in terms of environmental and financial savings from railway electrification?**

ANSWER

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

(SHRI ASHWINI VAISHNAW)

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

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF UNSTARRED QUESTION NO. 517 BY SHRI L.S. TEJASVI SURYA, DR. UMESH G. JADHAV, SHRI NALIN KUMAR KATEEL AND SHRI PRATHAP SIMHA TO BE ANSWERED IN LOK SABHA ON 06.12.2023 REGARDING RAILWAY ELECTRIFICATION

(a) The present status of Railway Electrification as on 31.10.2023 is as under:

SN	STATE	Electrified BG RKM as on 31.10.2023
1	Uttar Pradesh	8,516
2	Madhya Pradesh	4,857
3	Odisha	2,849
4	Jharkhand	2,558
5	Telangana	1,923
6	Haryana	1,701
7	Chhattisgarh	1,199
8	Uttarakhand	347
9	J&K	298
10	Delhi	183
11	Himachal Pradesh	67
12	Puducherry	21
13	Chandigarh	16
14	Meghalaya	9
15	Bihar	3,625
16	Andhra Pradesh	3,841
17	Maharashtra	5,561
18	Tamil Nadu	3,659
19	West Bengal	3,771
20	Kerala	947
21	Gujarat	3,445
22	Rajasthan	4,988
23	Punjab	1,992
24	Karnataka	3,060
25	Goa	147
26	Assam	871

The Railway projects are sanctioned/executed Zonal Railway-wise and not State-wise as the Railways' projects may span across state boundaries. As on 01.04.2023, across Indian Railway, 231 Doubling projects of total length 20,296 km, costing approx. ₹ 2.70 lakh crore are in planning/approval/construction stage, out of which 5,455 km length has been commissioned and an expenditure of approx. ₹ 1.03 lakh crore has been incurred upto March, 2023.

(b) 38,650 km length of railway electrification has been achieved since 2014 till 31.10.2023. 21,801 km of railway electrification was achieved pre-2014.

(c) The completion of Electrification project(s) depends on various factors like forest clearances by officials of forest department, 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). As such the confirmed time frame for completion of project(s) cannot be ascertained at this stage.

(d) The amount spent on Railway Electrification projects since 2014 is as under:

Year	Expenditure (₹ in cr)
2014-15	1391
2015-16	2291
2016-17	2956
2017-18	3837
2018-19	5955
2019-20	7145
2020-21	6141
2021-22	6972
2022-23	6658
2023-24	(Upto Oct, 2023) 3534

(e) The long term impact of Railway Electrification to the nation are:

- i. Clean and Green mode of transport.**
- ii. Better haulage capacity.**
- iii. Better line haul cost.**
- iv. Reduction in carbon emission.**
- v. Saving in precious foreign exchange for crude oil.**
