

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
UNSTARRED QUESTION NO. 5161
TO BE ANSWERED ON 02.04.2025**

NET ZERO CARBON EMISSION BY 2030

5161 SHRI ANUP SANJAY DHOTRE:

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways is working steadily towards achieving net zero Carbon Emissions by 2030 to become the world's largest Green Railway and if so, the details thereof;**
- (b) whether the Union Government has embarked upon an ambitious plan of electrification of its complete Broad-Gauge network;**
- (c) If so, details thereof along with the achievement made in this regard, zone-wise;**
- (d) the details of the target fixed for rail routes electrification for the current financial year; and**
- (e) the details of the rail routes electrified till 01 January, 2025, particularly in Maharashtra?**

ANSWER

**MINISTER OF RAILWAYS, INFORMATION & BROADCASTING AND
ELECTRONICS & INFORMATION TECHNOLOGY
(SHRI ASHWINI VAISHNAW)**

- (a) to (e) Indian Railways has envisioned to become net zero carbon emitter through offsetting carbon emissions with the usage of power**

through non-fossil sources, saving in diesel consumption by electrification of railway tracks, consistent efforts directed towards modal shifting of cargo and passenger from road to rail, harnessing hydrogen gas to drive train sets etc. Through these efforts, Indian Railways are on way to achieve net zero carbon emitter status for scope 1 emissions.

About 98% of the total BG network of the Indian Railways has been electrified. Electrification carried out during 2014-24 and before 2014 is as under:

Period	Route Kilometer
Before 2014 (about 60 years)	21,801
2014-25 (upto Feb' 2025)	45,922

The electrification works in the balance sections have been taken up. Zone wise status of electrification till date is as under:

SN	ZONE	% ELECTRIFIED
1	SECR	100%
2	NR	100%
3	NER	100%
4	WCR	100%
5	NCR	100%
6	ECOR	100%
7	CR	100%

8	ER	100%
9	KRCL	100%
10	METRO	100%
11	SER	100%
12	ECR	100%
13	SCR	99%
14	SWR	98%
15	WR	98%
16	NWR	97%
17	SR	95%
18	NFR	85%

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 project(s).

Broad Gauge railway lines situated in Maharashtra has been 100% electrified.
