

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
LOK SABHA
UNSTARRED QUESTION NO. 5501
TO BE ANSWERED ON 25.03.2026**

HIGH DENSITY NETWORK OF RAILWAYS

5501. SHRI G KUMAR NAIK:

Will the Minister of RAILWAYS be pleased to state:

- (a) the details of the High Density Network (HDN) of Indian Railways at present including total route-kilometres covered, corridor-wise length and their share in overall passenger and freight traffic;**
- (b) the details of the number of High Density Network corridors identified during the last ten years and whether any new corridors have been added or reclassified during this period and if so, the details thereof;**
- (c) whether any High Density Network corridor passes through the State of Karnataka and if so, the details thereof and if not, the reasons therefor including the average line capacity utilisation across various railway zones; and**
- (d) the details of the decongestion measures undertaken during the last ten years on HDN and non-HDN corridors, year-wise and State-wise?**

ANSWER

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

(SHRI ASHWINI VAISHNAW)

(a) to (d) There are 7 High Density Network (HDN) Routes on Indian Railways. The details are as under:

HDN	Route	Route km
HDN-1	Delhi – Howrah	1463km
HDN-2	Howrah – Mumbai	1889km
HDN-3	Delhi – Mumbai	1387km
HDN-4	Delhi – Guwahati	1845km
HDN-5	Delhi – Chennai	2048km

HDN-6	Howrah – Chennai (Kharagpur - Vijayawada)	1113km
HDN-7	Mumbai – Chennai	1224km

HDN routes cover about 16% of the total rail network and handle about 41% of total rail traffic. The HDN-7, Mumbai–Chennai route passes through the state of Karnataka.

During last 11 years Indian Railways has undertaken a large number of capacity augmentation, network expansion and infrastructure modernization projects across the country to improve the capacity of the railway network.

The details of commissioning/laying of new track across Indian Railways are given below:

Period	New Track Commissioned	Average Commissioning of New Tracks
2009-14	7,599 km	4.2 km/day
2014-25	34,428 km	8.6 km/day (more than 2 times)

As on 01.04.2025, across Indian Railways, 431 railway infrastructure projects (154 New Line, 33 Gauge Conversion and 244 Doubling projects) of total length 35,966 km, costing approximately ₹6.75 lakh crore are sanctioned. The summary is as under:

Category	No. of Projects	Total Length NL/GC/DL (km)	Length Commissioned till Mar'25 (km)	Total Exp. upto Mar'25 (₹ in Cr)
New lines	154	16,142	3,036	1,45,318
Gauge Conversion	33	4,180	2,997	22,753

Doubling/ Multitracking	244	15,644	6,736	1,22,858
Total	431	35,966	12,769	2,90,929

In addition to the construction of new lines, gauge conversion, doubling/multitracking, additional measures taken up to decongest railway network and upgrade/modernize railway infrastructure include:

Dedicated Freight Corridors (DFC): Ministry of Railways has taken up construction of two Dedicated Freight Corridors (DFC) viz. Eastern Dedicated Freight Corridor (EDFC) from Ludhiana to Sonnagar (1337 km) and the Western Dedicated Freight Corridor (WDFC) from Jawaharlal Nehru Port Terminal (JNPT) to Dadri (1506 km). The work on EDFC has been completed and commissioned. In WDFC, 1404 Rkm out of total 1506 Rkm has been completed and commissioned. The balance work on WDFC from Vaitarna-JNPT section (102Rkm) has been taken up. DFC has contributed to creating additional paths on the conventional network by diverting freight traffic to EDFC and WDFC. Presently, 443 average trains per day are being run on these corridors.

Karnataka:

Budget allocation in the recent years has increased significantly. Budget allocation for infrastructure projects and safety works, falling fully/partly in the State of Karnataka is as under:

Period	Outlay
2009-14	₹835 crore/year
2025-26	₹7,564 crore (more than 9 times)

As on 01.04.2025, 25 projects (15 new lines, 10 doubling) of 3,264 km length, costing ₹ 42,517 crore falling fully/partly in Karnataka are sanctioned. The summary is as under:

Category	No. of sanctioned Projects	Total Length (in km)	Length Commissioned upto Mar'25 (km)	Exp upto Mar'25 (₹ in cr.)
New Line	15	2,034	421	8,794
Doubling/ Multi-tracking	10	1,230	973	12,516
Total	25	3,264	1,394	21,310

Details of some of the recently completed projects falling fully/partly in the state of Karnataka are as under:

S. No	Project	Cost (₹ in Crores)
1	Kotturu-Harihar new line (65 km)	468
2	Hassan-Bengaluru new line (167 km)	1,290
3	Bidar-Gulbarga new line (110 km)	1,543
4	Shivani-Hosadurga Road doubling (10 km)	50
5	Shivani-Birur doubling (29 km)	143
6	Hosadurga-Chikjajur doubling (29 km)	260
7	Ramanagaram-Mysuru patch doubling (94 km)	998
8	Yelahanka - Channasandra doubling (13 km)	108
9	Yesvantpur-Yelahanka doubling (12 km)	95
10	Netravathi-Mangaluru Central doubling (2 km)	28
11	Kankanadi-Panamburu doubling (19 km)	350
12	Arsikere-Tumakuru doubling (96 km)	758
13	Yelahanka-Penukonda doubling (123 km)	1,104

14	Daund–Gulbarga doubling (225 km)	3,182
15	Hubballi–Chikjajur doubling (190 km)	1,850

Details of some of the major projects taken up falling fully/partly in the state of Karnataka are as under:

S. No	Project	Cost (₹ in Crores)
1	Hosapete–Hubballi–Londa–Vasco-de-Gama doubling (312 km)	4,153
2	Hotgi–Gadag doubling (284 km)	2,459
3	Ginigera–Raichur new line (165 km)	3,401
4	Gadag – Wadi new line (257 km)	2,842
5	Bagalkot – Kudachi new line (142 km)	1,649
6	Tumakuru – Rayadurga new line (207 km)	2,496
7	Tumakuru – Davangere new line (182 km)	2,142
8	Kadur – Chikkamagaluru – Belur new line (68 km)	825
9	Baiyyapanahalli – Hosur doubling (48 km)	336
10	Yesvantpur – Channasandra doubling (22 km)	314
11	Hosapete – Ballari 3rd & 4th line (65 Km)	2,372
12	Ballari-Chikjajur doubling (185 KM)	3,342
13	Bypass line between Bettahalsoor-Rajankunte (6 Km)	248

Details of some of the major projects which are delayed due to land acquisition are as under:-

S No.	Project	Total Land required (in ha)	Land acquired (in ha)	Balance Land to be acquired (in ha)
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1	Shivamogga – Ranibennur new line (96 km)	559	226	333
2	Belgaum – Dharwad new line (73 km)	581	0	581
3	Shivamogga – Harihar new line (79 km)	488	0	488
4	Whitefield–Kolar new line (53 km)	337	0	337
5	Hassan–Belur new line (32 km)	206	0	206

Summary of the status of land acquisition in Karnataka is as under:

Particulars	Details
Total Land required for Projects in Karnataka	9,064 ha
Land Acquired	5,707 ha (63%)
Balance Land to be acquired	3,357 ha (37%)

Government of India is geared up to execute projects, however success depends upon the support of Government of Karnataka.
