



Shri Narendra Modi
Hon'ble Prime Minister



NEW RAILWAYS NEW UTTARAKHAND





Desh ko Gati rail se
Pragati *bhi rail se*

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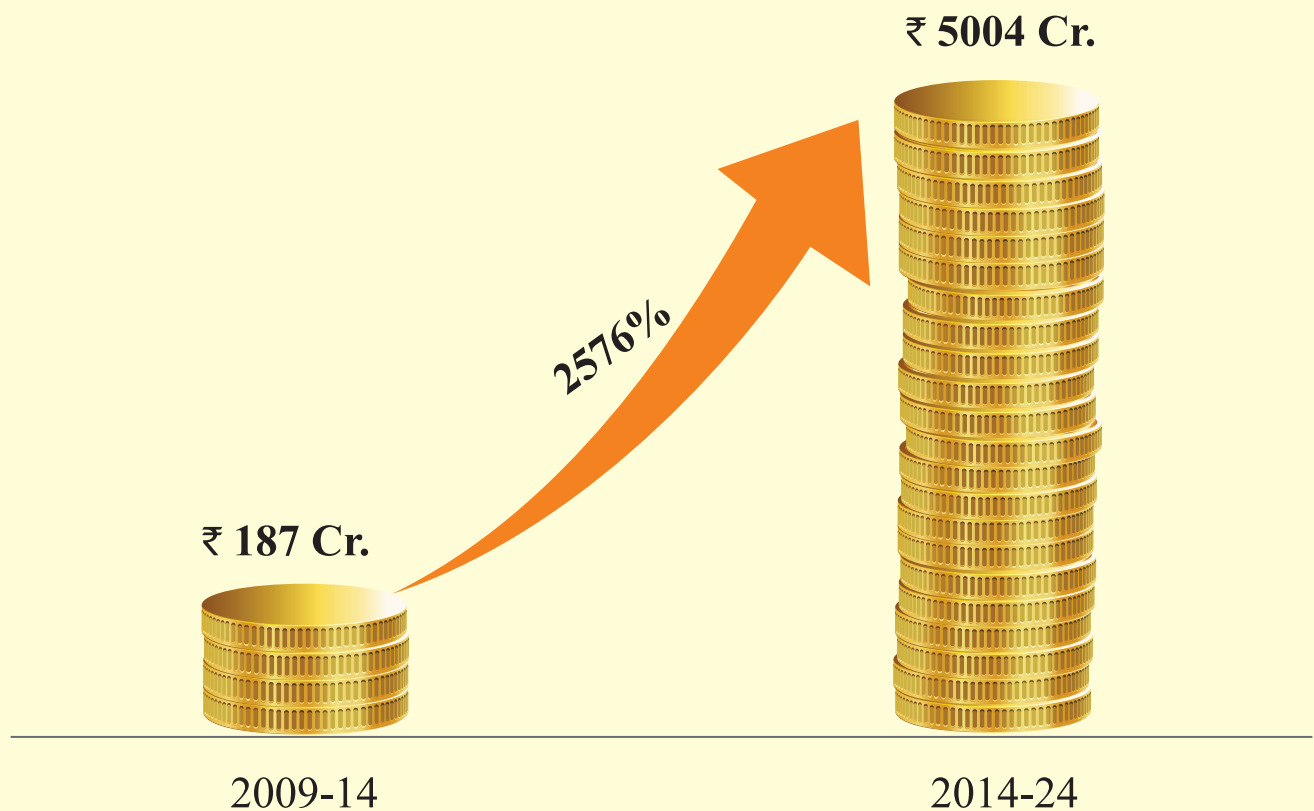


CAPITAL INVESTMENTS

- ❖ Investment on Rail Network in Uttarakhand has increased manyfolds during 2014-24 as compared to the period 2009-14

| Average Annual Budget Outlay | | |
|------------------------------|------------|------------|
| 2009-14 | 2014-24 | % Increase |
| ₹ 187 Cr. | ₹ 5004 Cr. | 2576% |

- ❖ Average annual outlay of Railways in Uttarakhand increased by 2576%





INFRASTRUCTURE THRUST

Works Completed During 2014-24

- ❖ 6 New Line/Doubling Surveys totalling 1411 Kms
- ❖ Augmentation of Operating facility for 18 coach trains at Dausni, Motichur, Raiwala, Kansrao, Doiwala, Harrawala & Dehradun
- ❖ Augmentation of Operating facility for 24 coach trains at Aithal, Pathri, Jwalapur, Ikkar
- ❖ Rake Maintenance facility at Yog Nagari Rishikesh Station
- ❖ Doubling project envisioned and commissioned for 27 Kms costing approx 347 Cr. (Laksar-Haridwar)
- ❖ Commissioning of Yog Nagari Rishikesh Station with state-of-the-art infrastructure and design
- ❖ Construction of 10 ROB's: 20A, 22A, 60A, 39A, 1255A, 1258A, 1262B, 1271A, 52A, 43A in Uttarakhand
- ❖ Construction of 14 RUB's: 11, 12, 16, 24, 60B, 213A, 1269A, 1269B, 2C 4C, 6C, and 3 in Najibabad-Kotdwar section in Uttarakhand
- ❖ Yard remodeling of Rishikesh completed. Loading/Unloading platforms provided at Jwalapur

Works in Pipeline

- ❖ **4 New Line Surveys totalling to about 510 Kms.**
- ❖ Establishment of New Railway Route by construction of Railway Line from Yog Nagari Rishikesh to Karnprayag
- ❖ Provision of 1 Road Over Bridge (ROB) at Dehradun (Bhandari Bagh)
- ❖ Major upgradation of Haridwar and Dehradun Railway stations with State of the Art amenities and International standards with cost of approx ₹750 Cr.
- ❖ 24 coach length facility works for running full length trains between Haridwar and Dehradun, costing approx. ₹ 250 Cr. by development of all stations enroute and establishment of terminal facilities at Harrawala including Wildlife Mitigation works
- ❖ Development of Full length platform at Rishikesh Railway station and upgradation of interlocking systems (PI to EI)
- ❖ Development of 3 stations under Amrit Bharat Station Scheme: Roorkee, Harrawala, Kotdwar



INFRASTRUCTURE THRUST

ELECTRIFICATION

Advantage

- ❖ Faster trains
- ❖ Environment friendly
- ❖ Fuel saving & lower energy costs

During 2014-24

- ❖ 100% Electrification has been achieved in Uttarakhand
- ❖ 78 Route Km has been electrified on Laksar - Haridwar - Raiwala - Dehradun section
- ❖ Electrification of Loopline at Dausni completed



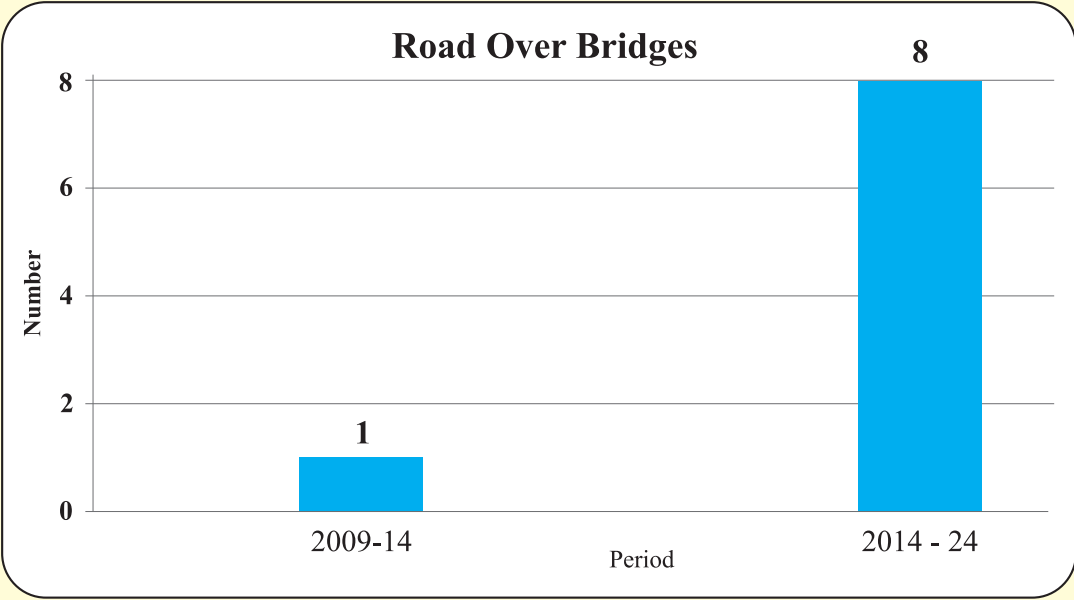
Passenger train on newly electrified Laksar - Haridwar - Raiwala - Dehradun section



INFRASTRUCTURE THRUST

Road Over Bridges (ROBs) & Road Under Bridges (RUBs)

- ❖ Laksar - Dehradun 2-lane Road Over Bridge (ROB) to replace level crossings near Motichoor completed
- ❖ 1 Road Over Bridge (ROB) on Laksar - Haridwar doubling work completed
- ❖ Completion of 11 Subways on Roorkee - Laksar - Dehradun section and 3 Subways on Nazibabad - Kotdwar section completed
- ❖ Two 4 - lane Road Over Bridge (ROB) and Road Under Bridge (RUB) at Rishikesh completed and opened for road traffic
- ❖ Additionally Three more 4-lane Road Over Bridge (ROB) are being developed by NHAI at Chodiala, Haridwar - Motichur and Dehradun



Limited Height Sub-way



INFRASTRUCTURE THRUST

Ongoing Project

Chardham Rail Line

- ❖ Feasibility studies and surveys are being conducted for providing Rail Connectivity to the Chardham; Yamunotri, Gangotri, Kedarnath and Badrinath

Advantage

- ❖ Ease of access to pilgrimage centres and development of backward area
- ❖ Strategic significance due to sharing of two international borders
- ❖ Connect trade centres, encourage local employment and prevent population migration
- ❖ Increase tourism and decongest road network



Chardham: Yamunotri, Gangotri, Kedarnath and Badrinath, major pilgrimage centres of Uttarakhand



INFRASTRUCTURE THRUST

Ongoing Project

Yog Nagari Rishikesh - Karnaprayag Rail Line

Present Status

- ❖ Work of final location survey has been completed
- ❖ Final alignment and railway land boundary has been staked on ground
- ❖ Land acquisition for entire project (791 hectare) has been completed and clearance from Forest department has been obtained
- ❖ Work has started simultaneously at multiple tunneling and bridge laying sites

Technical Information

| Item | Parameter |
|-----------------------------------|-----------|
| Total Length (Km) | 125.20 |
| New Stations (Nos.) | 12 |
| Tunnels (Nos.) | 17 |
| Total Length of Tunnels (Km) | 105.47 |
| Escape Tunnel (Km) | 98.54 |
| Total Length of Tunnelling (Km) | 218 |
| Max Length of the Tunnel (Km) | 15.10 |
| Percentage of Route Tunnel Length | 84.24% |
| Percentage of Bridge Length | 2.26% |

Challenges

- ❖ Himalayas are a young fold mountains with varied rock structure, seismically highly active (Zone IV & V) and extreme weather conditions
- ❖ As there is no flat land available due to the hilly terrain and presence of the mighty river Ganga and its tributaries, the project requires construction of a large number of tunnels, viaducts and bridges
- ❖ Construction of approach roads in the hill slopes for reaching the site of railway construction, is a project in itself



INFRASTRUCTURE THRUST

Yognagari Rishikesh Railway Station

- ❖ New section of Virbhadra–Yog Nagari Rishikesh opened for general public
- ❖ Yog Nagari Rishikesh developed as a ‘Clean & Green’ station with world class passenger amenities
- ❖ The section has been given an aesthetic look with well carpeted green slopes for a dust free environment
- ❖ In order to ease out the yard out the yard mobility at Dehradun, the terminal of trains: 14309/10 and 14317/18 shifted from Dehradun to Yog Nagari Rishikesh



Newly constructed Yognagari Rishikesh railway station



PASSENGER SECURITY

- ❖ Installation of Screening machines at Haridwar
- ❖ Deployment of Railway Protection Force personnel with metal detectors
- ❖ 296 CCTV cameras installed in Uttarakhand's stations (94-Haridwar, 15-Dehradun, 44-Yog Nagri Rishikesh, 21-Rishikesh, 25-Laksar, 35-Roorkee, 15-Raiwala, 12-Motichor, 14-Jwalapur, 6-Ikkar and 16-Pathri)
- ❖ Sniffer Dog Squad deployed to check for explosives inside the trains
- ❖ 178 children were rescued and handed over to parents during the period 2014- April 24
- ❖ Deployment of additional security personnel as a special arrangements during summer rush and festival seasons for better crowd management at stations



CCTV cameras inside the coaches of Kathgodam Shatabdi Express Train



INFRASTRUCTURE THRUST

Construction Work

- ❖ Approach roads and bridges under construction at Srinagar, Gauchar & Sivai
- ❖ Completion of detailed design works of all tunnels
- ❖ Use of state - of - the - art machines for drilling and tunnelling
- ❖ Tunnelling works of all main tunnels started simultaneously to complete the project on time
- ❖ The project is targeted to be completed by December, 2024



Bridge works



Construction of Adit

Chandrabhaga Road Over Bridge



Tunnelling work



PASSENGER AMENITIES

Work completed

- ❖ Provision of Jan-Aushadhi Kendra at Yog Nagri Rishikesh under Pradhanmantri Jan Arogya Yojna
- ❖ Construction of multi-functional complex at Dehradun with an aim to improve the railway experience for passengers
- ❖ 7 Water Vending Machines installed at Haridwar
- ❖ Facility of Pay & Use toilets at Haridwar, Laksar, Roorkee, Dehradun and Yog Nagri Rishikesh
- ❖ Facility of Two-wheeler parking at Laksar, Roorkee, Haridwar, Dehradun and Yog Nagri Rishikesh
- ❖ Facility of Car parking at Haridwar, Roorkee, Dehradun and Yog Nagri Rishikesh
- ❖ Upgradation of Waiting room at Dehradun

New Trains

- ❖ Two new Vande Bharat trains i.e. 22458/57 (Dehradun-Anand Vihar) & 22546/45 (Dehradun-Lucknow Jn.)
- ❖ New train service 14090/89 (Daily) between Kotdwar and Anand Vihar, 15019/20 (Weekly) between Tanakpur and Dehradun, 19271/72 (Weekly) between Bhavnagar T. and Haridwar, 14089/90 (Daily) between Anand Vihar and Kotdwar

Extension of Trains

- ❖ Train 14309/10 Yog Nagri Rishikesh - Ujjain Express (Bi Daily) & 14317/18 Yog Nagri Rishikesh - Indore Express (Bi Daily) extended up to Laxmi Bai Nagar
- ❖ Train 04501/02 Una Himachal - Saharanpur MEMU (Daily) extended up to Haridwar
- ❖ Train 14816/15 Sri Ganganagar - Haridwar Express (Daily) extended upto Rishikesh

Conversion of coaching stock (12 pairs of trains)

- ❖ ICF Rake of trains 19565/66, 18477/78, 13009/10, 14887/88, 12369/70 & 12327/28 converted in LHB rakes
- ❖ ICF rakes of four pairs of passengers trains (NER) running between Moradabad-Ramnagar/ Moradabad-Kashipur & two pairs of passengers trains (NR) converted to Memo rakes

Shifting of terminal (02 pairs of trains)

- ❖ In order to ease out the yard mobility at Dehradun, the terminal of trains 14309/10 & 13417/18 shifted from Dehradun to Yog Nagari Rishikesh



PASSENGER AMENITIES

- ❖ 9 new Foot Over Bridges (FOBs) at Haridwar, Raiwala, Dhandhera, Motichur, Aithal, Pathri, Jwalapur and Rishikesh railway stations have been provided
- ❖ 6 Lifts and 14 Escalators installed at stations
- ❖ Renovation of parking cum circulating area at Haridwar station and Laksar station
- ❖ Raising the height of platforms at Raiwala, Aithal, Pathri, Jwalapur, Virabhadra, Doiwala and Harrawala stations
- ❖ New benches with seating capacity of 300 provided at Dehradun, Haridwar, Doiwala, Rishikesh and Roorkee stations with co-operation from MP-LAD scheme
- ❖ Circulating area of 08 railway stations was improved viz. Haridwar, Motichur, Roorkee, Pathri, Jwalapur, Rishikesh, Raiwala and Doiwala
- ❖ Platform surface was improved at 12 railway stations viz. Roorkee, Haridwar, Motichur, Aithal, Pathri, Laksar, Rishikesh, Jwalapur, Ikkar, Raiwala, Doiwala, Harrawala
- ❖ Additional Platform shelters were provided at 04 railway stations viz. Haridwar, Motichur, Aithal, Pathri, Ikkar, Jwalapur, Doiwala, Harrawala
- ❖ 60 High mast towers, 1356 Street lights for good illumination during night time at 22 railway stations have been provided
- ❖ Glow Sign Boards and Signages were provided at 09 stations
- ❖ Drinking water facility has been augmented at 05 stations
- ❖ Catering facility, pay & use toilets are made available at Yog Nagari Rishikesh, Haridwar, Raiwala stations
- ❖ Installation of Braille Map at Dehradun Railway station for convenience of Divyangjan

Work Completed during 2014-24

- ❖ 6 lifts (2 each at Haridwar, Yog Nagari Rishikesh and Dehradun stations) and 14 escalators (6 at Haridwar, 4 at Dehradun station and 4 at Yog Nagari Rishikesh station) commissioned



Foot Over Bridge and Escalator at Dehradun station



Improved façade of Haridwar station



DIGITAL INDIA



Fast & Free Wi-Fi

- ❖ To boost Digital India initiative, Wi-Fi Facility provided at 7 stations: Dehradun, Haridwar, Roorkee, Ikkar, Iqbalpur, Jwalapur, Pathri

Digital transactions

- ❖ 41 Point of Sale (PoS) Machines installed
- ❖ Cashless transactions can be made through BHIM, RuPay, Debit cards, e-wallets etc. at ticket counters
- ❖ Introduction of Parcel Management System (PMS) at Haridwar, Roorkee, Laksar, Dehradun and Yog Nagri Rishikesh
- ❖ PRS modernization: Window based terminals installed and working at Haridwar



Point of Sale (PoS) machine for cashless transaction at ticket counters



SWACHH RAIL, SWACHH BHARAT

- ❖ Launch of 'Rail Madad' app
- ❖ Provision of Automatic Coach Washing Plant at Yog Nagri Rishikesh for external washing of coaches.
- ❖ Provision of Quick watering system at Yog Nagri Rishikesh.
- ❖ Provision of clean Bedrolls in all nominated trains.
- ❖ Upgradation of all NR based Rajdhani and Shatabdi coaches with enhanced passenger amenities under 'Project Swarn'
- ❖ Upgradation of all eligible NR based ICF coaches with enhanced passenger amenities under 'Project Utkrisht'





GREEN INITIATIVES

Harnessing Solar Energy

- ❖ 355 kWp solar modules installed
- ❖ Provision of solar panels at 13 level crossing gates

LED Lights for Energy Conservation

- ❖ Provision of LED lights across all 22 stations in Uttarakhand for energy conservation (100% coverage)



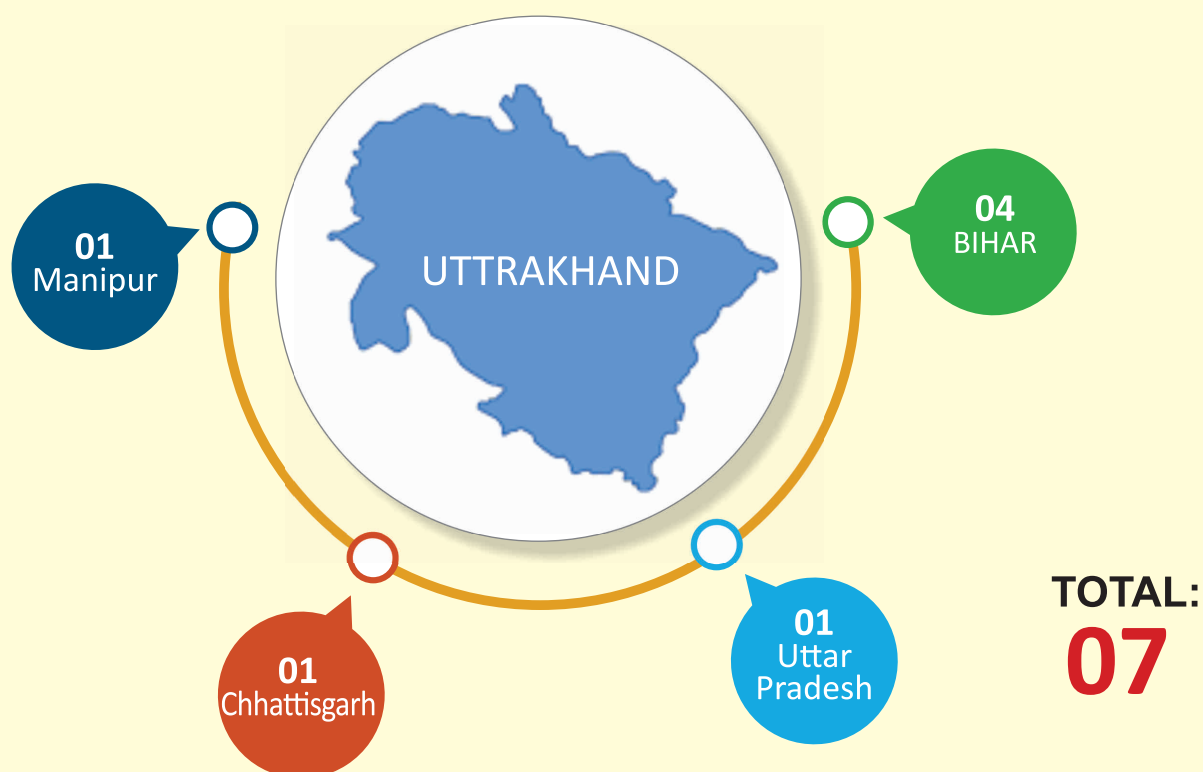
Roof top solar panels at stations



COVID-19: PASSENGER FOCUS

Shramik Special Trains

- ❖ Operation of 7 Shramik Specials trains during the Covid-19 lockdown enabling migrant workers, pilgrims, tourists, students and other people to reach their homes



Shramik special trains



TOURISM

Nestled in the Himalayas, Uttarakhand boasts of several tourist destinations and major pilgrimage centers. The Railways is endeavouring to expand its network in this hilly state.

- ❖ Construction of New Line between Yog Nagari Rishikesh - Karnprayag in the pipeline
- ❖ Ongoing final location survey of Char Dham Rail Connectivity

Kumbh/ Ardh Kumbh Mela

- ❖ Provision of Kumbh Mela Specials trains
- ❖ Adjoining stations of Haridwar namely Jwalapur, Motichur, Rishikesh designated as mela stations
- ❖ Provision of additional ticket counters, enquiry booths and round the clock staff deployment at strategic locations across stations for passengers guidance
- ❖ Provision of multiple entry and exit gates, watch towers and arrangements for toilets, drinking water, food kiosks and medical aid at stations



Haridwar railway station



Ganga Ghat, Haridwar



