



**Shri Narendra Modi**  
Hon'ble Prime Minister



# NEW RAILWAYS NEW JAMMU & KASHMIR





Desh ko *Gati* rail se  
*Pragati* bhi rail se

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## CAPITAL INVESTMENT

- ❖ Investment over rail network in Jammu & Kashmir has increased manyfolds during 2014-24 as compared to the period 2009-14

Average Annual Budget Outlay		
2009 - 14	2014 - 24	% Increase
₹ 1,044 Cr.	₹ 6,003 Cr.	475%

- ❖ Average annual outlay of Railways in Jammu & Kashmir increased by 475%







## INFRASTRUCTURE THRUST

### Works completed during 2014-24

- ❖ Completion of 25 Km new line in the Udhampur - Katra section of the USBRL project
- ❖ Completion of 15 Km doubling work

### Other works in pipeline

- ❖ 272 Km new line at a cost of approx. ₹ 37012 Cr.
- ❖ Development of freight terminal at Bari Brahman costing approx. ₹ 69 Cr.
- ❖ Provision of a second entrance at the Jammu Tawi railway station and coach maintenance terminal at a cost of approx. ₹ 222.9 Cr.
- ❖ Provision of redevelopment of Jammu Tawi railway station



*Image of proposed building of Jammu Tawi Railway Station*





## INFRASTRUCTURE THRUST

### ELECTRIFICATION

#### Advantages

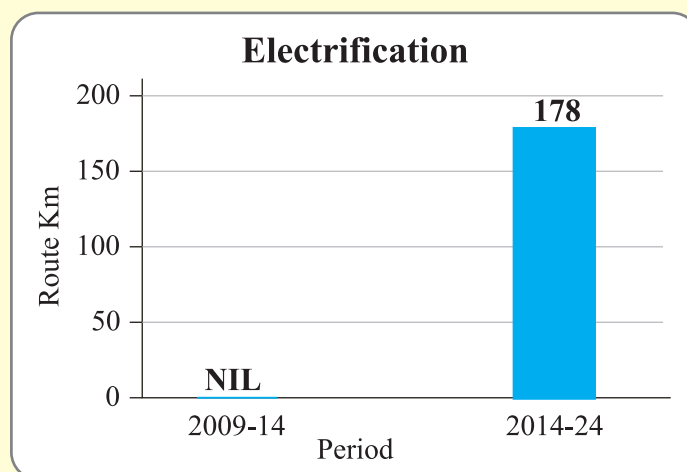
- ❖ Faster trains
- ❖ Environment friendly
- ❖ Fuel saving & lower energy costs

#### During 2009-14

- ❖ Nil

#### During 2014-24

- ❖ Electrification of 178 Route Km
- ❖ Electrification of Banihal to Baramulla 137 Route Km completed and commissioned



*Use of electrification to enhance the speed of trains and reduce dependency on fossil fuel*



# INFRASTRUCTURE THRUST

## USBRL National Rail Project

### About The Project

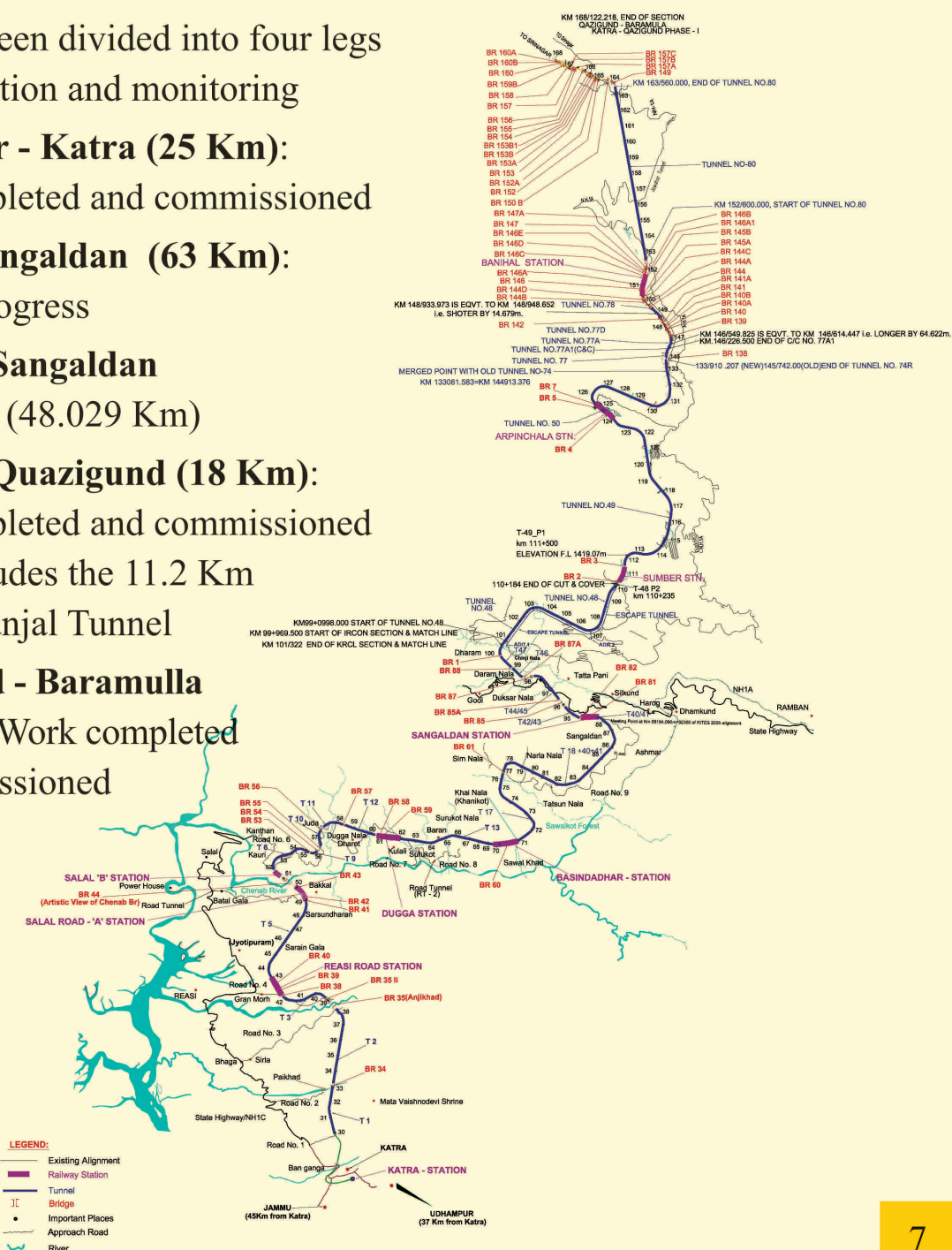
The Jammu - Udhampur - Katra - Quazigund - Baramulla National Rail project line will join the Kashmir Valley with the rest of India. The project is likely to be commissioned in January 2024

**Total Length: 272 Km**

### UDHAMPUR SRINAGAR BARAMULLA NEW RAIL LINK (B.G.) PROJECT

The work has been divided into four legs for better execution and monitoring

1. **Udhampur - Katra (25 Km):**  
Work completed and commissioned
2. **Katra - Sangaldan (63 Km):**  
Work in progress
3. **Banihal - Sangaldan**  
Completed (48.029 Km)
4. **Banihal - Quazigund (18 Km):**  
Work completed and commissioned which includes the 11.2 Km T-80 Pir Panjal Tunnel
5. **Quazigund - Baramulla (118 Km):** Work completed and commissioned





## INFRASTRUCTURE THRUST

### Highlights of Katra - Banihal section

- ❖ Longest transportation tunnel (12.76 Km) in the country Successful breakthrough achieved on 15.02.22 and lining works are at completion stage. Also Ballastless Track laying work has started
- ❖ 97 Km of the total length of the 111 Km Katra - Banihal section comprises of tunnels
- ❖ Additionally 67 Km of escape tunnels are also being constructed
- ❖ Out of the total 7 stations in this section, several stations are either located inside tunnels or on over bridges or both
- ❖ World's most advanced and modern technologies are being used for planning and construction of this project, the challenges are very peculiar and not previously encountered anywhere
- ❖ This section also includes the Chenab Bridge, which is the Highest Railway Bridge in the world standing at 359 m, higher than both Qutub Minar & Eiffel Tower
- ❖ Anji Bridge, the first cable-stayed bridge on Indian Railways is also part of this project
- ❖ Construction of a 205 Km network of access roads in Jammu & Kashmir and at a cost of ₹ 2000 Cr.

Activity	Scope (Km)	Executed Upto 30.01.2023 (Km)	Balance as on 01.02.2023 (Km)
Main Tunnels	97	96.96	0.52
Escape Tunnels	67	65.90	0.41
Major Bridges	26	21	5
Minor Bridges	11	11	Nil
Access Roads	205	205	Nil





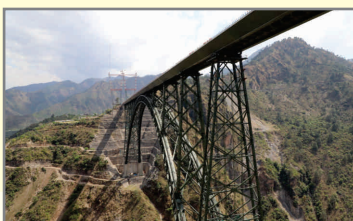
## INFRASTRUCTURE THRUST

### Chenab Bridge

- ❖ The tallest railway bridge in the world, having a length of 1315 meters with a central arch span of 467 meters. This iconic bridge across the Chenab river has been constructed at a height of 359 meters above sea level and is higher than Qutab Minar (72m height) and Eiffel Tower (324m height). Bridge has been designed for a wind speed of 266 Kmph and can withstand earthquake forces of Zone V
- ❖ In first phase Cable Crane was commissioned for erection of steel arch, trestle and piers of the Chenab Bridge
- ❖ Joining of the 467m long Arch Span was the most critical activity of the construction of the bridge. The arch closure ceremony was conducted in April 2021
- ❖ The other major milestone was the “Golden Joint” of the Deck. The 785m long deck superstructure was launched from both Kuari and Bakkal ends and was finally joined over the arch. The golden joint event was held on 13 August, 2022
- ❖ The Ballastless Track linking activity over the Chenab Bridge has been completed using 2,487 sleepers



*Hon'ble Minister of Railways Shri Ashwini Vaishnaw addressing the Media at Chenab Bridge*





## INFRASTRUCTURE THRUST

### Anji Bridge

- ❖ Anji Bridge', India's first Cable-stayed rail bridge is being built in the challenging terrain of young fold mountains of Himalayas in extreme geographical conditions
- ❖ It is an asymmetrical cable-stayed bridge with total length of 725 m which includes 473 m long asymmetric cable stay bridge balanced on the axis of a central pylon of height 193m from the top of foundation, standing at a height of 331 metres above the river bed
- ❖ The cable stay bridge has 290 m span on the north side (Katra Side) and 183 m span on the south side (Reasi side). The bridge has a single railway line with balastless track and a 3.75m wide service road
- ❖ History was created when all the 96 cables of this bridge were fully installed in position successfully on 26th April, 2023 in a record time period of 11 months
- ❖ 44 segments out of total 47 segments have been launched till April 2023



*Anji Bridge*





## INFRASTRUCTURE THRUST

### The Katra- Banihal section predominantly involves tunnelling

- ❖ There are 27 Main Tunnels and 8 Escape tunnels. Total tunnelling work equals 164 Km
- ❖ Sumber-Arpinchala T-49, 12.75 Km is set to be the longest transportation tunnel in India
- ❖ Breakthrough of 25 Tunnels has been achieved
- ❖ Tunnel Lining work and Track linking are in progress



*Tunnel boring work*



*Tunnel lining work*



*Breakthrough event of main tunnel T-13*



*Breakthrough event of main tunnel T-48*



*Breakthrough Ceremony 'India's Longest Tunnel T-49*



*Rail Link Project, J&K Breakthrough tunnel T-14*

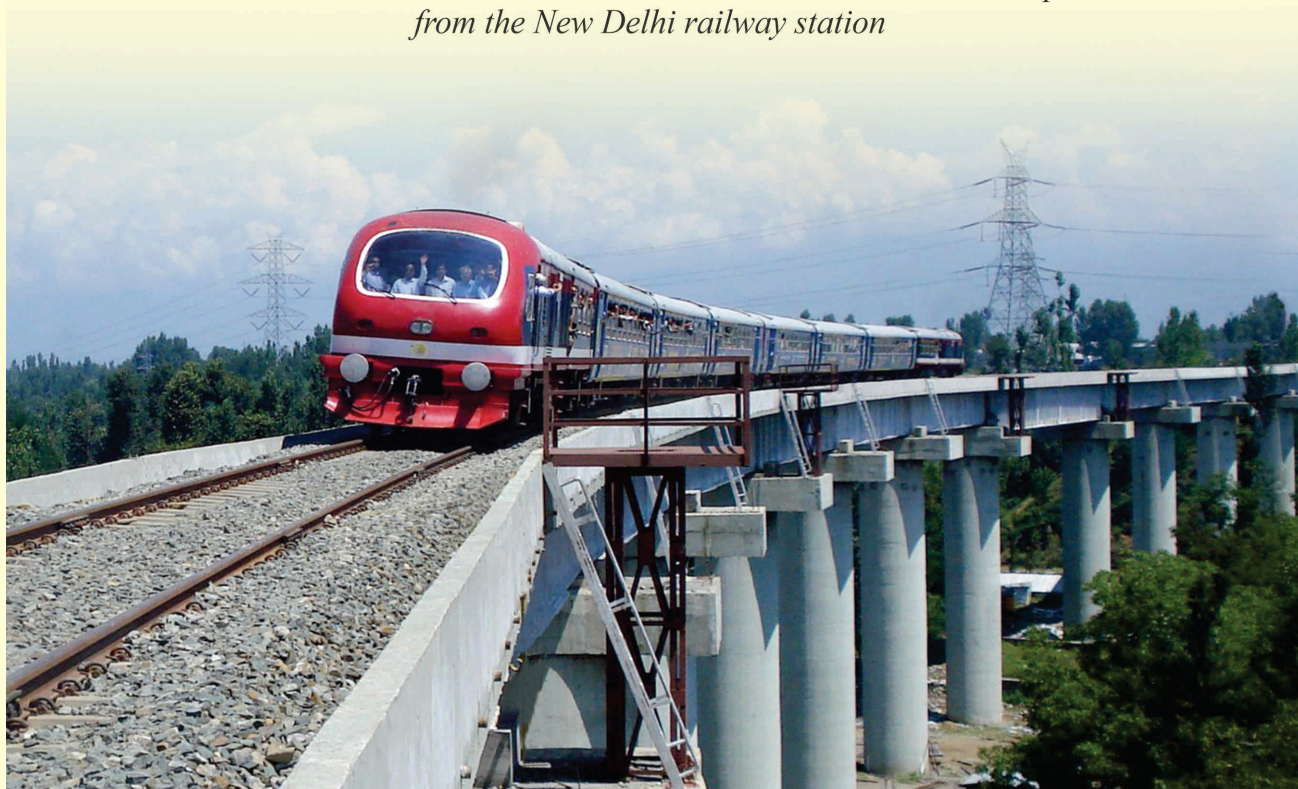




## PASSENGER FOCUS



*Hon'ble Union Home Minister, Shri Amit Shah,  
Hon'ble Union Minister of Health and Family Welfare, Dr. Harsh Vardhan and the then  
Hon'ble Union Minister of Railways, Commerce and Industry, Shri Piyush Goyal flagging-off  
the New Delhi - Shri Mata Vaishno Devi Katra Vande Bharat Express  
from the New Delhi railway station*



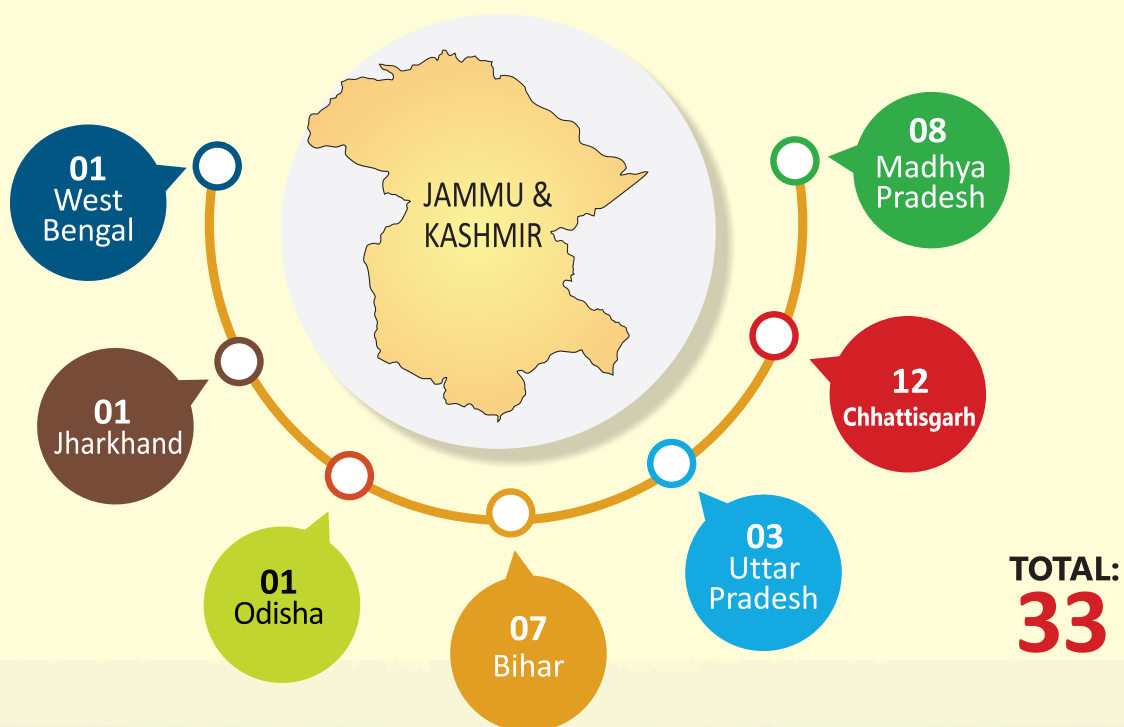
*Baramulla - Banihal DEMU over Vaith Bridge*



## COVID-19: PASSENGER FOCUS

### Shramik Special Trains

- ❖ Operation of 31 Shramik Specials trains during the Covid-19 lockdown enabling migrant workers, pilgrims, tourists, students and other people to reach their homes



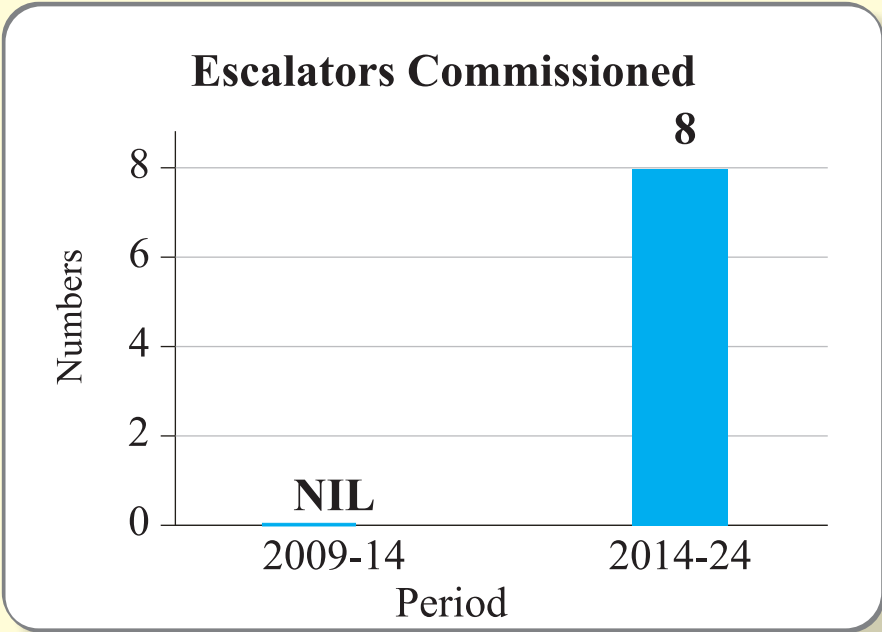


# PASSENGER AMENITIES

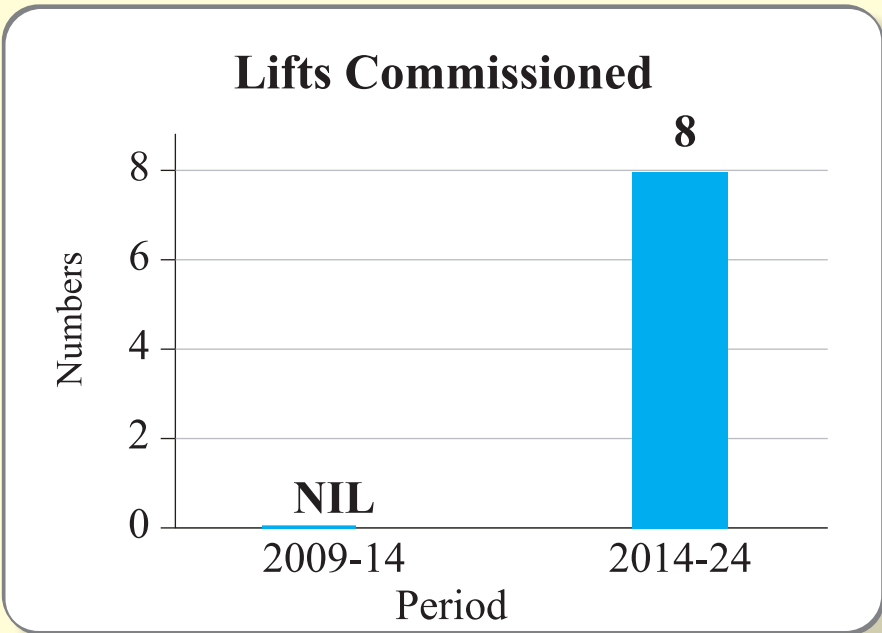
## During 2009 -14

- ❖ Escalator - Nil
- ❖ Lifts - Nil

## During 2014-24



*8 Escalators commissioned at stations*



*8 Lifts commissioned at stations*





## PASSENGER AMENITIES

**During 2014-24**

- ❖ 4 Escalators at Jammu Tawi and 2 at Shri Mata Vaishno Devi Katra railway stations



*Escalators at  
Shri Mata Vaishno Devi Katra station*



*Lift at Jammu station*

- ❖ 2 Lifts at Jammu Tawi & 3 Lifts at Shri Mata Vaishno Devi Katra railway stations commissioned

- ❖ Improvement of station building including façade at Shri Mata Vaishno Devi Katra railway station



*Entrance of  
Shri Mata Vaishno Devi Katra station*



- ❖ Train display boards installed at Jammu Tawi and Sri Mata Vaishno Devi stations



## PASSENGER AMENITIES

### Works completed during 2014-24

- ❖ Provision of new Foot over Bridge (FOB) and High Level passenger Platform at Hiranagar Railway Station
- ❖ Providing facilities of Adarsh Station on Hiranagar Railway Station
- ❖ 8 RUBs in Pathankot-Jammu Tawi section, 1 RUB in Jammu Tawi - Katra
- ❖ Renovation of circulating area at Badgam, Srinagar, Kakapora, Pampore, Qazigund, Sadura, Bijbiara, Apta, Mazhom, Pattan, Hamre and Baramulla section
- ❖ Provision of 248 Chairs under MPLAD scheme (Udhampur 200, Kathua 30 and Ram Nagar J&K 18)

### Ongoing works

- ❖ Improvement to water supply system by provision of infiltration gallery near Tawi river for Udhampur Station
- ❖ Construction of platform no. 2 and Foot over Bridge (FOB) at Panjgam on Banihal - Baramulla section
- ❖ Construction of 2 Deep Tube wells in the station area at Jammu Tawi Railway station
- ❖ Construction of Road Under Bridge (RUB) in place of Level Crossing Gate on Pathankot - Jammu Tawi Section
- ❖ Provision of new Foot Over Bridge (FOB) and High Level passenger Platform at Bari Brahman Railway Station
- ❖ 2 Stations (Udhampur & Budgam) being taken under Amrit Bharat Scheme
- ❖ Techno Economic feasibility studies for redevelopment of Shri Mata Vaishno Devi Katra station is being taken up
- ❖ New Train display boards and Coach Display boards being installed at Jammu Tawi station
- ❖ Loop line speed raising:  
Jammu Tawi -Katra (77km)



*Jammu Tawi railway station*



## SWACHH RAIL, SWACHH BHARAT

- ❖ Launch of 'Rail Madad' app
- ❖ Provision of Automatic Coach Washing Plants at Budgam & Shri Mata Vaishno Devi Katra for external washing of coaches
- ❖ 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'



*Coach cleaning facility*



*Mechanized cleaning*



*Washing of platform*



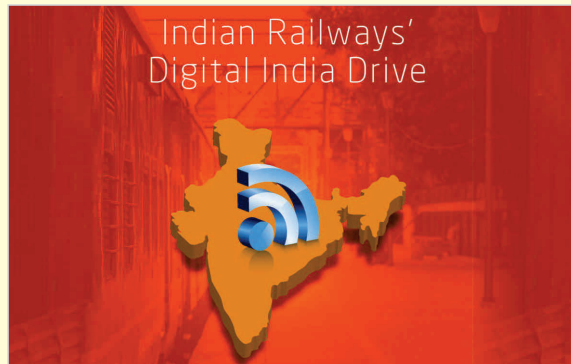


## DIGITAL INDIA



### Fast & Free Wi-Fi

- ❖ To boost Digital India Initiative, Wi-Fi facility provided at Jammu Tawi railway station
- ❖ Provision of Wi-Fi facility at 12 stations in the Pathankot - Jammu Tawi section
- ❖ Provision of Wi-Fi facility at Udhampur and Sri Mata Vaishno Devi Katra



### Digital Transactions

- ❖ Provision of 16 Point of Sale (PoS) machines
- ❖ Cashless transactions can be made through BHIM, RuPay, Debit card, e-wallets etc. at ticket counters



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



## GREEN INITIATIVES

### Harnessing solar energy

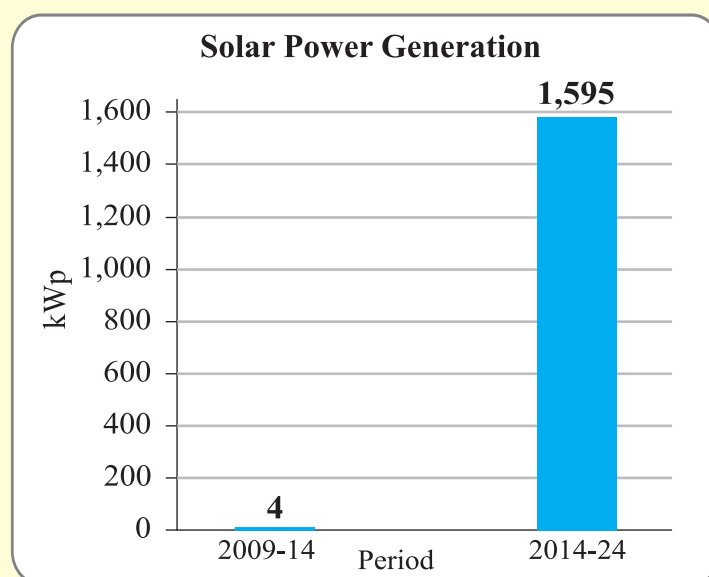
- ❖ 1595 kWp solar modules installed on stations
- ❖ 1000 kWp grid-connected Solar panels provided at Shri Mata Vaishno Devi Katra railway station

### During 2009-14

- ❖ Installation of 4 kWp solar modules
- ❖ Zero LED lights installed

### During 2014-24

- ❖ All 33 stations provided with LED lights (100% coverage)



*Solar Power Panels at  
Shri Mata Vaishno Devi Katra  
railway station*



*LED Lights at  
Srinagar railway station*



## PASSENGER SECURITY

- ❖ Installation of Screening machines at all major stations
- ❖ Deployment of Railway Protection Force personnel with metal detectors
- ❖ Sniffer Dog Squad deployed to check for explosives inside the trains
- ❖ A total of 83 children were rescued and handed over to parents after 2014 compared to 10 children rescued during 2009-14
- ❖ Deployment of additional security personnel as a special arrangement during festival seasons for better crowd management



*Railway Protection Force personnel checking coaches*





## TOURISM



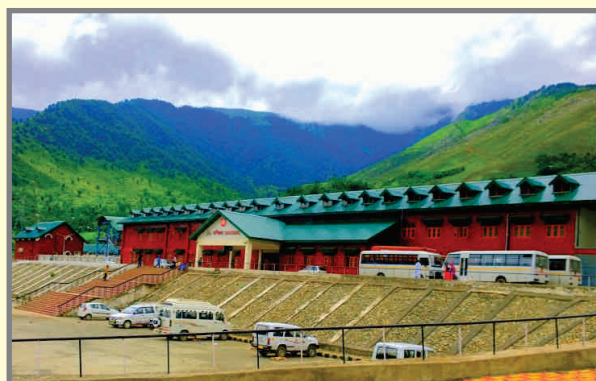
*Srinagar railway station*



*Central hall of Srinagar railway station  
decorated with intricately  
carved wooden panels*



*Anantnag railway station*



*Banihal railway station*



*Train between Srinagar - Banihal*





## TOURISM



*All weather connectivity to Kashmir Valley*



*DEMU Train between Qazigund and Banihal emerging from the 11.2 Km Pir Panjal tunnel, the longest railway tunnel in India*





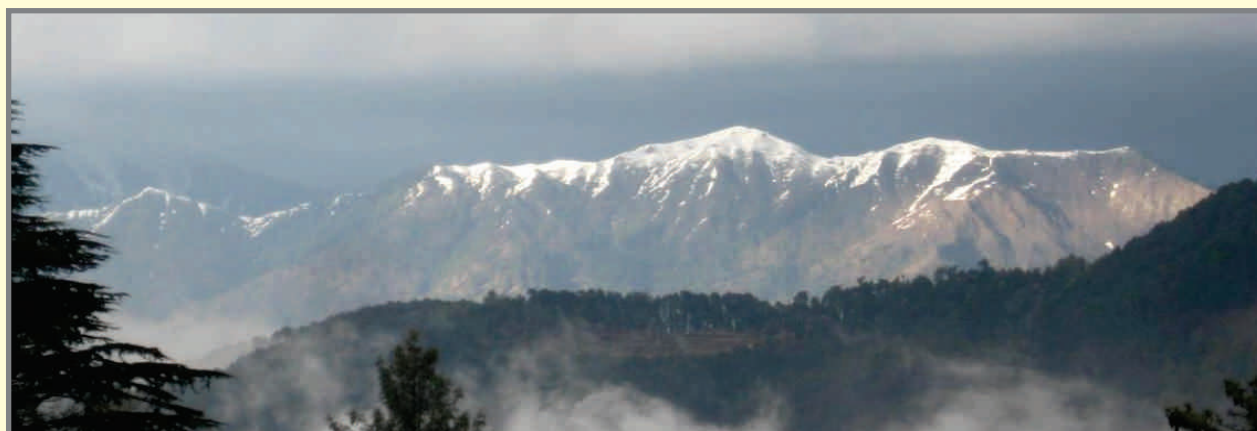
## TOURISM

### Increase in connectivity during 2014-24

- ❖ Rail connectivity between Shri Mata Vaishno Devi Katra and Udhampur
- ❖ Introduction of several new trains connecting different parts of India to Shri Mata Vaishno Devi Katra
- ❖ Opening of Passenger halt station at Rizwan between Badgam - Mazhom stations of Banihal - Baramulla section
- ❖ Opening of Passenger halt station at Nadigam between Badgam - Mazhom stations of Banihal - Baramulla section
- ❖ Opening of Passenger halt station at Ratnipora between Kakapora - Apta stations of Qazigund - Baramulla section
- ❖ Monumental Flag installed at Anantnag, Srinagar, Budgam



*New Railway line connecting Katra to Udhampur*



*Pir Panjal range as seen from Banihal Station*



