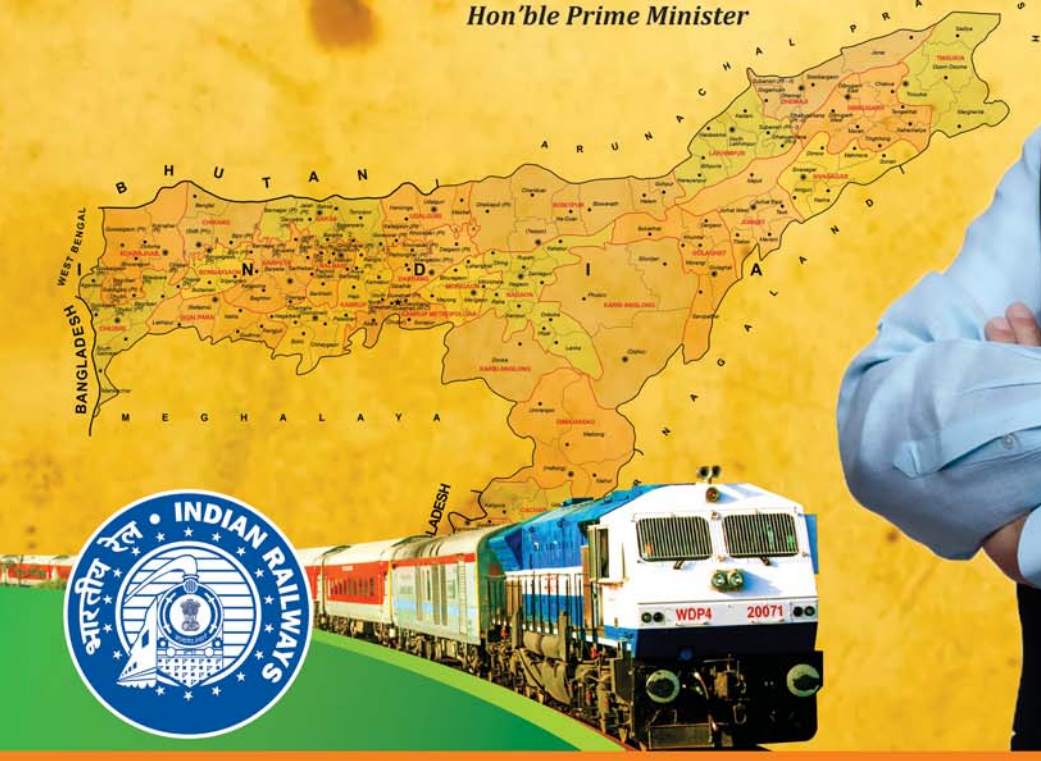
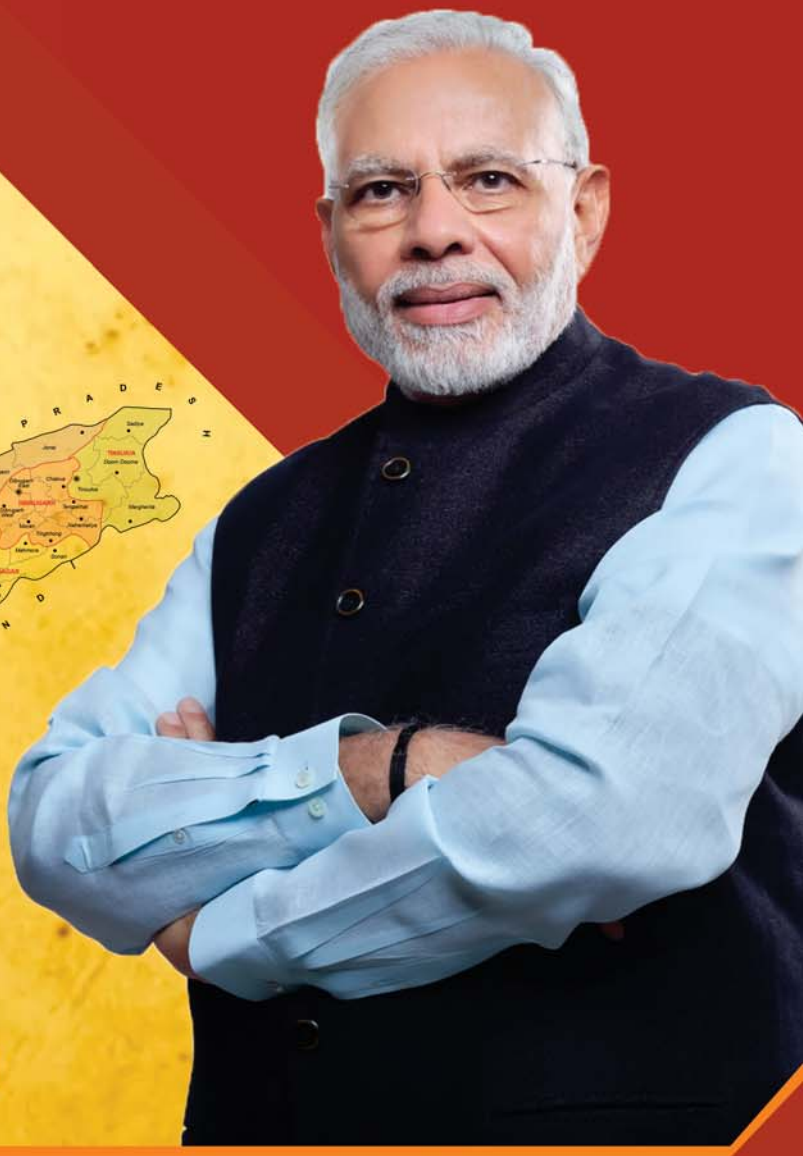
Assam

(2014-2021)*

"My mission for the Northeast is transformation by transportation"

~ Shri Narendra Modi
Hon'ble Prime Minister



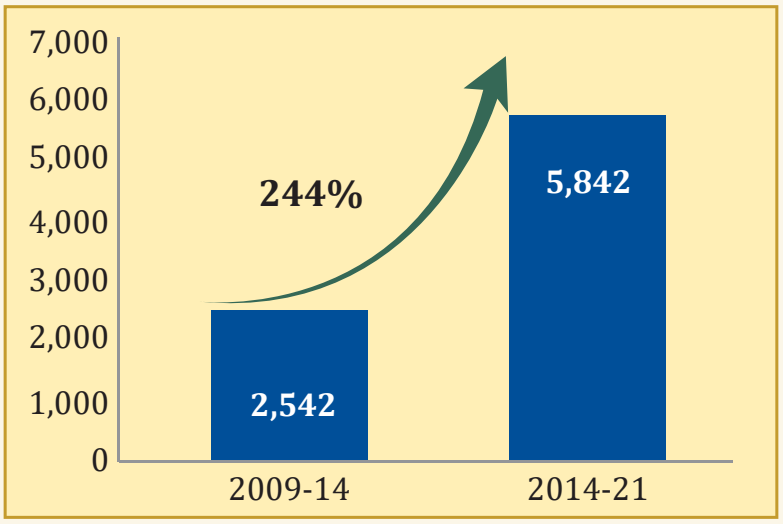


INDIAN RAILWAYS

THE RESURGENCE OF NORTHEAST THROUGH RAILWAYS

An unprecedented increase in financial allocation for North Eastern India

FUND ALLOCATION FOR RAIL CONNECTIVITY IN NORTH EASTERN STATES INCREASED BY 244% IN LAST SEVEN YEARS



Average fund allocation per year in Rs. crore

Projects Commissioned

- 402 km new line added
- 1119 km gauge conversion done
- 150 km double line added
- Survey of 1,178 km new line completed
- Rs. 41,599 crore Capital Expenditure in last 7 year

Projects Under Progress

- 23 new lines project under construction (1,913 km)
- 12 double line project under construction (630 km)
- Anticipated expenditure Rs. 1,18,812 crore
- 9 new lines national projects
- 5,158 km new broad gauge line to be added
- All state Capitals of the Northeast to be connected with broad gauge lines

Highlights

- Large number of jobs created for gainful employment of locals
- 100% elimination of un-manned Level Crossing gates
- Mechanized cleaning of all station started from 2nd October, 2018
- Divyang toilets provided in 257 stations
- Provided free high-speed WiFi at all nominated stations
- Provided 23 Lifts at 9 stations and 30 more to be provided at 21 stations
- Provided 18 Escalators at 8 stations and 12 more to be provided at 4 stations

Key Benefits

- All state capitals of the Northeast to be connected with broad gauge lines
- Transforming Socio-economic landscape



Guwahati Railway Station

DEVELOPMENTAL WORKS IN ASSAM (2014 – 2021)

CONNECTIVITY ENHANCEMENT

- On 7th April, 2014, Harmuti (Assam) got connected by broad gauge line to Naharlagun (Arunachal Pradesh)
- A first ever train connectivity established with Meghalaya on 29th November, 2014 when Dudhnoi (Assam) got connected by broad gauge line to Mendipathar (Meghalaya)
- Broad Gauge train connectivity with Jiribam in Manipur from Arunachal (Assam) established on 27th May, 2016
- Broad Gauge train connectivity with Bairabi in Mizoram from Katakhal (Assam) established on 27th May, 2016

Key Benefits

- Two of the north-eastern States were connected to Assam with broad gauge railway line

- 130 km of **New Broad Gauge railway lines** commissioned during 2014-21. Out of this 130 km, 37.22 km was part of 289 km long Maynaguri - Jogighopa New Line project

Key Benefits

- The Maynaguri-Golakganj-Jogighopa new broad gauge railway line provides an alternative link to the landlocked state of Assam and six other NE states and ensures uninterrupted connectivity

- 113.16 km of Doubling of **Broad Gauge line** between Majgaon – Abhayapuri and Digaru – Lumding section was achieved during 2014-21. Of this 59.69 km was achieved last year

- **Gauge Conversion** carried out in 645.56 km in 2014-19 thereby eliminating all metre gauge railway lines in Assam

Key Benefits

- With progress of doubling more trains can be made operational to & from N.E. Region
- Elimination of all Metre Gauge railway line brought in uniformity and enhanced Operational Efficiency

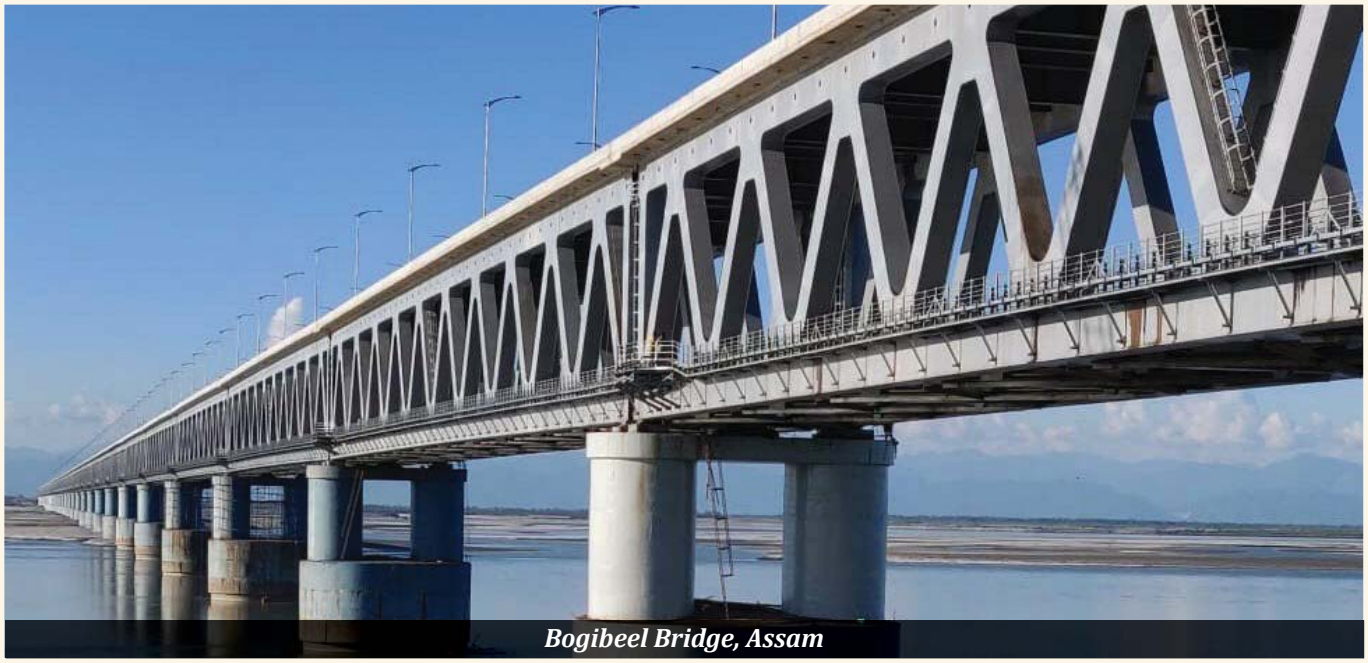
BOGIBEEL BRIDGE COMMISSIONED

Bogibeel bridge near Dibrugarh opened for public on 25th December, 2018

- Longest Rail-cum-Road bridge in Asia
- Reduced the distance from Upper Assam to Delhi by 170 km
- Fully welded, rivet free girders
- State of the art construction technology used

Key Benefits

- Fulfilled a long time strategic need for rail connectivity across Brahmaputra in Upper Assam
- The thrust is for creating additional infrastructure quickly for benefit of maximum number of people



Bogibeel Bridge, Assam

NEW RAILWAY PROJECTS SANCTIONED IN 2014-21

- 62 km new broad gauge line from Sivasagar to Jorhat at a cost of Rs. 2,696 crore
- 99 km new broad gauge line from Salona to Khumtai at a cost of Rs. 5,958 crore

Key Benefits

- Create an alternative route to Upper Assam from Chaparmukh along NH 37
- Distance to Dibrugarh from Guwahati will be reduced
- Vast areas of Golaghat, Jorhat and Sibsagar districts will get connected

- 25 km new broad gauge line from Tezpur to Silghat with a bridge over Brahmaputra at a cost of Rs. 3,582 crore

Key Benefits

- Fourth bridge over Brahmaputra to connect Tezpur in north bank with Silghat in south bank
- Open up new route to Upper Assam from Tezpur

- 7 km new broad gauge line from Agthori to Kamakhya with Second Bridge at Saraighat at a cost of Rs. 1,677 crore
- 10 km four - lane elevated lines from Kamakhya to New Guwahati at a cost of Rs. 6,124 crore
- 26 km Murkongselek – Pasighat new Broad Gauge line at a cost of Rs. 661 crore
- 176 km Bongaigaon - Goalpara - Guwahati Doubling at a cost of Rs. 2,232 crore
- 143 km New Bogaigaon – Agthori (via Rangiya) Doubling at a cost of Rs. 2,043 crore
- 381 km Lumding – Tinsukia Jn- Dibrugarh Doubling at a cost of Rs. 3,810 crore
- 102 km Digaru - Hojai doubling project at a cost of Rs. 2,136 crore



New double line section constructed in Guwahati - Lumding

SOME MAJOR SURVEYS FOR NEW BROAD GAUGE LINES

Surveys are going on for construction of 749 km of new Broad Gauge railway lines

- 140 km from Rangiya to Dekargaon via Bezera, Sipajhar, Mangaldoi, Dalgaon, Orang
- 100 km from Gogamukh to Jorhat via Dhakuakhana, Kamalbari and Garmur

Key Benefits

- Major untouched areas of Darang district will be connected to railway map providing a large number of people means of economic travel
- Majuli, the world's largest river island, will be connected with railway line to both north bank and south bank of river Brahmaputra

- 87 km from North Lakhimpur to Bame in Arunachal Pradesh via Silapathar
- 75 km from Lekhapani to Deban via Nampong, New Khamlang
- 96 km from Dumduma to Wakro via Simulguri, Namsi and Chowkham
- 60 km from Dangri to Roing
- 300 km from Tinsukia to Pasighat via Deomali, Lekhapani, Jairampur, Kharsang, Miao, Diyun, Tezu, Roing and Dambuk.
- 18 km from Dhalai Beel to Seijosa via Itakhola
- 20 km from Naharkatia to Deomali
- 180 km from Chaparmukh to Jowai via Bhokchung, Rajagaon, Baithalangso, Jengkha, Keroni and Umrangso

Key Benefits

- Arunachal Pradesh will be connected by railway lines at multiple points. This will bring in major socio-economic development in the hilly terrain of the state
- Meghalaya will get an alternative new railway route apart from the one connecting Shillong with Guwahati

OTHER INFRASTRUCTURE & SAFETY ENHANCEMENT WORKS

- **Sectional Speed** of trains raised in 455.49 km during 2019-20 and 277.45 km during 2020-21
- 23 **Road Over Bridges** (ROBs) constructed in Assam during 2014-2021 to eliminate Railway Level Crossings for improving safety. Out of this, 2 constructed in 2020-21
- 212 **Road Under Bridges** (RUBs) constructed in Assam during 2020-2021; 38 of these were constructed in 2020-21
- 7 additional waterways constructed to reduce the chance of flooding





- All Unmanned Level Crossing gates in Assam were eliminated during 2014-19



- BG Coach Maintenance Depot set up at Rangapara North and Silchar during 2014-19
- Infrastructure facilities upgraded at New Bongaigaon and Dibrugarh Workshops for maintenance of High-Speed Linke Hofmann Bosch (LHB) coaches

AMENITIES PROVIDED AT STATIONS

- 53 Foot Over Bridges (FOBs) constructed during 2014-2021; out of which 17 were constructed during 2020-21
- 219 Divyang toilets constructed upto March 2021
- 56 Toilets at stations constructed during 2014-2021; out of which 14 were constructed in 2020-21
- 10 New Platforms constructed during 2014-2020; 4 of them in 2019-20
- Extension of platforms/Passenger Platform shed done in 46 stations during 2020-2021
- 15 Lifts provided during 2014-2021; 4 of them in 2020-21
- 10 Escalators provided during 2014-2021; 1 of them in 2020-21
- Station Circulating Area Improved in 41 locations; 8 of them in 2020-21
- Soft Upgradation of Guwahati, Rangiya, and New Tinsukia stations involving new station building, waiting hall, refreshment hall and VIP lounge have been taken up during 2019-20 at a total cost of Rs 32 crore
- 4 New Station Buildings inaugurated at Hojai, Lanka, Dhalphukuri & Hawaipur and Lumding station renovated in 2019
- Station Improvement Work done in 77 stations in Assam during 2020-2021
- Kamakhya station being developed as a world class station with addition of AC retiring rooms, AC dormitories for male/female, AC waiting hall, cafeteria
- Guwahati station received ISO-14001:2015 certification for environment management system in 2019
- Food Plaza opened at New Tinsukia, Lumding, Guwahati during 2014-19 and in Rangiya station during 2019-20
- Public Address System commissioned in 22 stations during 2014-21; 8 of them during 2020-21





IMPROVEMENT OF AMENITIES IN TRAINS

During 2014-2019:

- 45 Mail/Express trains got **On Board Housekeeping** (OBH) services
- Interior of Guwahati-Dibrugarh & Guwahati - Naharlagun Shatabdi Express updraded for better aesthetic and passenger comfort under **Project Swarn**
- **High speed LHB Coaches** introduced **in 29 trains**



- Mechanised Cleaning of coaches of all trains originating from Assam
- **SMS/Web based Passenger Complaints Management System** introduced in all Mail/Express trains originating from Assam

During 2019-20:

- **High Pressure Quick Watering System** commissioned at Guwahati and Lumding stations for quick watering of all the trains passing through
- **Automatic Coach Watering Plants** will be installed soon at Dibrugarh and Silchar
- **High speed LHB Coaches** introduced **in 10 trains**

During 2020-21:

- **New LHB bogie** repair shop commissioned at New Bongaigaon workshop
- All trains originating from Assam fitted with environment friendly **Bio-toilets** with no discharge on track
- **Fire extinguisher** provided in 235 Non-AC coaches
- **SCADA controlled quick watering system** installed at Badarpur Jn station

DIGITAL INITIATIVES

- **Free WiFi** provided at 218 stations during 2020-21; out of which it was provided at 6 stations during 2020-21



- **Passenger Reservation System** (PRS) commissioned in 21 locations during 2020-21
- **Unreserved Ticketing System** (UTS) commissioned in 36 locations during 2020-21
- **Digital Train Indication Board** commissioned in 6 stations during 2020-21; 1 of them during 2020-21
- **Digital Coach Indication Board** commissioned in 6 stations during 2020-21; 1 of them during 2020-21
- **Digital Museums** installed at 10 stations during 2014-21
- **IPIS** provided at 13 stations during 2014-21; 2 of them during 2020-21
- **Point Of Sale** (POS) machines provided in all rail head PRS counters during 2014-21 for cashless transaction
- **Hand Held Terminal** provided to Ticket Checking staff of Rajdhani Express Trains during 2014-21
- **Mobile Ticketing System** introduced in non-suburban sections during 2014-21
- All weighbridges were integrated with **FOIS** during 2020-21

PASSENGER SECURITY

- **CCTV** monitoring system provided at 15 stations during 2014-21; 3 of them during 2020-21
- **Integrated Security System** provided at three stations namely Guwahati, Lumding and Dibrugarh during 2014-2020. And at eight stations during 2020-21
- "**Child Help Line Desk**" provided at Guwahati railway station
- "**Mahila Vahini**" namely Joymati Bahini & Kanaklata Bahini of RPF has been formed and "**Meri Saheli**" initiative has been implemented to ensure security of women passenger

GREEN INITIATIVES

- All stations in Assam provided with **100% LED luminaries** during 2014-20
- **Solar power** panels of capacity 2,056 KWp installed during 2014-19 and 110 KWp during 2019-20 and 267 KWp during 2020-21
- Environment friendly **Bio-Toilets** with no discharge on track provided in all passenger trains including DEMU trains during 2014-20
- **Plastic Bottle Crushing Machines** provided at at Rangiya, Barpeta Road, New Bongaigaon, Guwahati, Kamakhya, Lumding, Silchar, and New Tinsukia during 2019-21
- Environment friendly waste to energy plant commissioned at Kamakhya in 2019 for disposal of non-recyclable waste and utilization of energy generated
- Waste disposal incernator (in place of HSD) for steam cleaning of BTPN wagon introduced



Solar Panels at Guwahati Railway Station



A Bio-Toilet Fitted Coach

RAILWAY ELECTRIFICATION

Electrification Work sanctioned in entire Assam portion for electrification

➲ 232.5 km of Railway electrification work done in Assam area during 2020-21

Section	Target Date
Upto New Bongaigaon	31.05.2021
Upto Guwahati via Rangiya	31.03.2021 (Completed)
Upto Guwahati via Jogighopa	30.07.2021
Guwahati to Lumding	31.12.2021

(As per Railway Board policy of 100% electrification by year 2023, all other remaining sections in Assam are targeted for commissioned by March, 2023)



Electrification works in progress

FREIGHT INITIATIVES (2020-21)

- 6,259 freight trains unloaded in Assam during 2020-21
- Total 1300 Parcel trains operated (660 incoming, 640 outgoing)in Assam during 2020-21
- Business Development Units set up at Head Quarter and Divisions.
- 12 goods terminal improved for better handling of freight and enhance efficiency
- 6 new goods terminals opened in Assam during 2020-21
- 8 stations opened for various inbound/outbound traffic to enhance capacity during 2020-21
- 30 Kisan rails were run providing market access to farmers

INITIATIVES DURING COVID-19 PANDEMIC

- Total **160 Shramik Special Trains** handled (137 incoming, 23 outgoing)
- **208 coaches modified as Covid Care Centres** for placements at different stations in Assam
- Covid care centres: **238 beds** provided in 4 railway hospitals in Assam

Hospitals	No. of Bed
Central Hospital at Maligaon	120
Divisional Hospital at Lumding	80
Railway Hospital at New Bongaigaon	24
Railway Hospital at Dibrugarh	34





