

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

# **NEW RAILWAYS NEW JHARKHAND**

**(2014-PRESENT)**











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

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## PREFACE

Indian Railways is the lifeline of the Nation and a catalyst for India's progress and economic development. South Eastern Railway (SER) plays a significant role in the socio-economic development of the state of Jharkhand. 36% of SER's jurisdiction covers Jharkhand. With a view to improve railway infrastructure and extend the railway network in Jharkhand, the Ranchi Railway Division was formed in the year 2003. The Government of Jharkhand always extends necessary support and co-operation to this railway towards development of Jharkhand and improvement of train services.

Railways have achieved many visible milestones in Jharkhand in the last 5 years in different fields viz. construction of new lines, doubling, introduction of new trains, extension of service, increase in frequency of trains etc. On the freight side, loading of South Eastern Railway has reached the milestone of 154.87 Million Tonnes, where the lead role has been taken by the state.

The changing face of transport sector in Jharkhand and the expectations of its people are being fulfilled with topmost priority. The past achievements of railways and ongoing projects in the state of Jharkhand are being highlighted in this booklet.

It may be noted that the budgets allocated to various projects are not apportioned state wise but reflect the cost of the project.





# JHARKHAND - A STATE WITH RICH HERITAGE AND ABUNDANT MINERAL RESOURCES

Jharkhand, one of the newly created states of India came into existence on 15 November 2000. Rich in minerals and natural resources, Jharkhand is full of industrial and tourism development possibilities. Since day one of its coming into existence, Jharkhand state is poised for a great leap forward with the development of railways. South Eastern Railway is the major partner of the all-round vibrant growth of the state of Jharkhand.



*Tagore Hill*



*Hundru Falls*



*Ropeway*



*Jubilee Park*



*Tribal Dance*



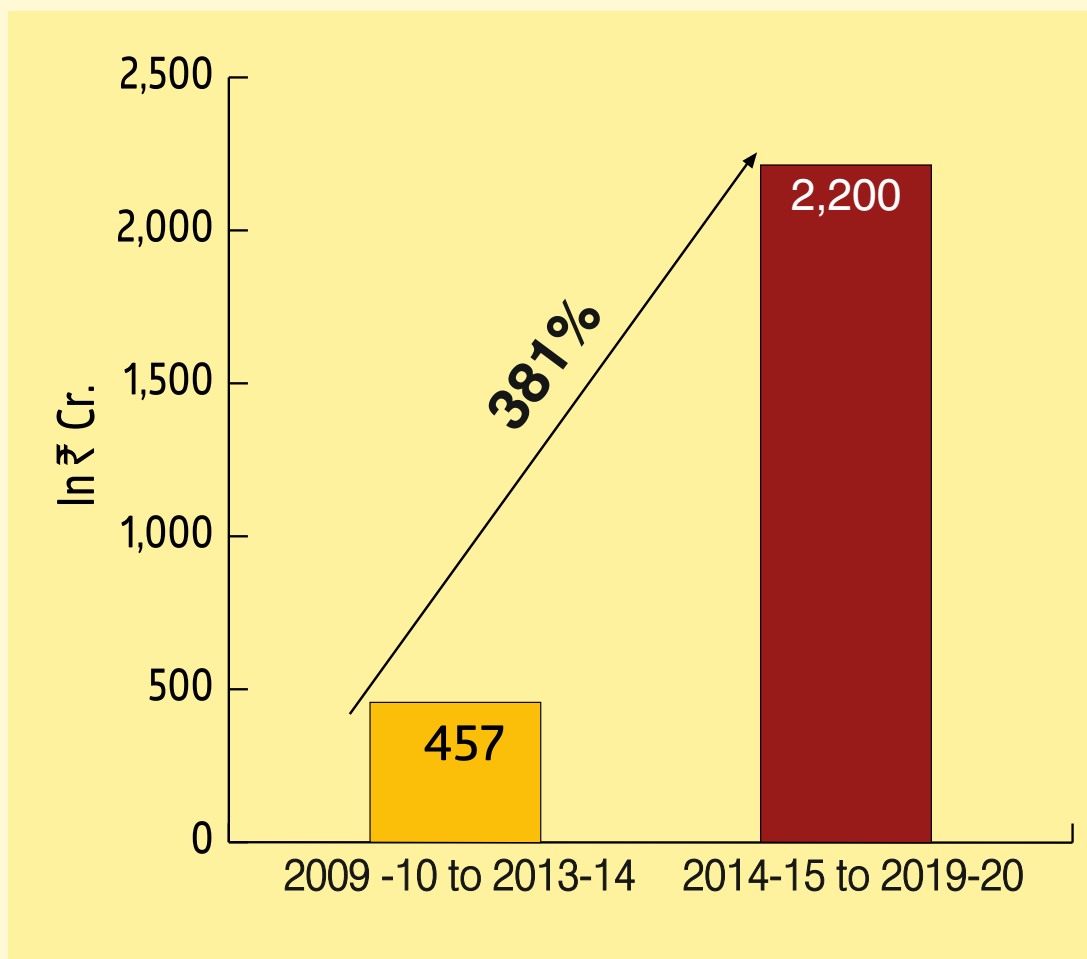
## INCREASED CAPITAL INVESTMENTS



### Average Budget Grant Per Year (₹ in Crore) In Jharkhand

2009-10 to 2013-14	2014-15 to 2019-20	Percentage Increase
457	2,200	381%

Average Annual Budget Grant of Railways in Jharkhand increased by 381%





## INFRASTRUCTURE THRUST



Commencement of work of Hatia-Bondamunda Doubling Project (159 Kms) & Chakradharpur-Goilker 3rd Line Project (34 Kms), Laying of foundation stone of Adityapur-Kharagpur 3rd Line (132 Kms) and Dedication to the Nation of Gamharia-Adityapur 3rd Line (6.5 Kms) of Sini-Adityapur 3rd Line Project on 17.8.2017, Shri Raghubar Das, Hon'ble Chief Minister of Jharkhand was the Chief Guest at Hatia Station during the function.

## Works Completed in Last 5 years

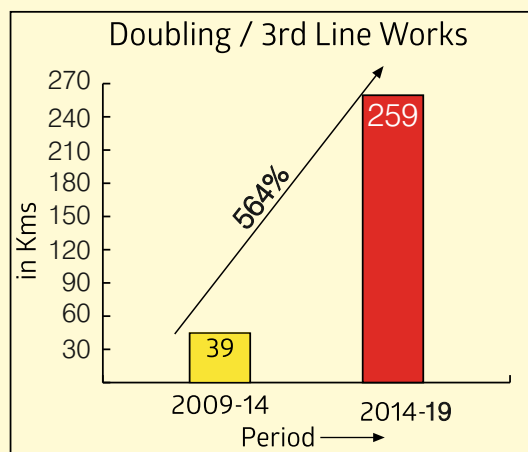
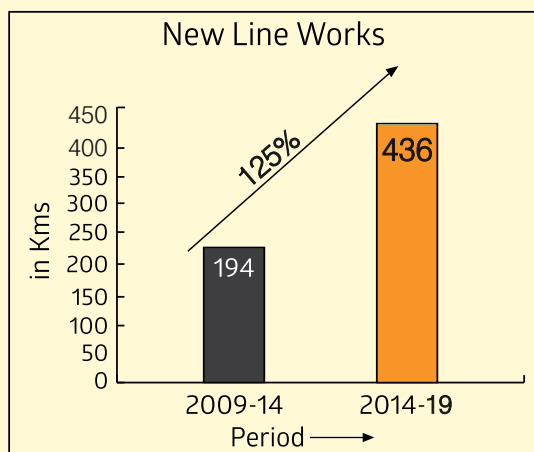
- ❑ 436 Kms new lines commissioned
- ❑ 259 Kms of doubling / 3rd line work commissioned

New Lines  
Commissioned (in Kms)

2009-14	2014-19
194	436

Doubling / 3rd line works  
Commissioned (in Kms)

2009-14	2014-19
39	259





## INFRASTRUCTURE THRUST

### Important Projects Commissioned from 2014

#### New Lines

<input type="checkbox"/> Barkichanpi - Tori Extension	30 Kms
<input type="checkbox"/> Koderma - Hazaribagh	80 Kms
<input type="checkbox"/> Nawadih - Kowar	53 Kms
<input type="checkbox"/> Hazaribagh - Arigada	54 Kms
<input type="checkbox"/> Tatisilwai - Shanki	30 Kms
<input type="checkbox"/> Tori-Shivpur	44 Kms
<input type="checkbox"/> Koderma-Maheshmunda	24 Kms

#### Doubling / 3rd Line of Tracks

<input type="checkbox"/> Chandrapura - Rajabera (Doubling)	10 Kms
<input type="checkbox"/> Rajkharswan - Sini (3rd Line)	17 Kms
<input type="checkbox"/> Goilkera - Monoharpur (3rd Line)	28 Kms
<input type="checkbox"/> Sini - Adityapur (3rd Line)	23 Kms
<input type="checkbox"/> Bonidanga - Mirzachauki (Doubling)	57 Kms
<input type="checkbox"/> Rajkharswan - Dangoaposi (3rd Line)	75 Kms
<input type="checkbox"/> Monoharpur- Jaraikela (3rd Line)	12 Kms
<input type="checkbox"/> Sonua - Goilkera (3rd Line)	13 Kms
<input type="checkbox"/> Rajkharswan(West) - Chakradharpur (3rd Line)	18 Kms



## **INFRASTRUCTURE THRUST**

**Electrification has been sanctioned in all sections of Jharkhand**

Between 2014-2019, total 525 km. Electrification Work has been commissioned

### **Important Electrification works commissioned**

- ☐ Ranchi-Lohardaga - Tori section
- ☐ Garhwa Road-Meralgram-Renukut Section
- ☐ Tori - Biratoli Section
- ☐ Biratoli - Balumath Section
- ☐ Koderma - Khurhagada Section
- ☐ Khurhagada - Hazaribagh Town Section
- ☐ Hazaribagh Town - Barkakana Section
- ☐ Pakur - Bonidanga - Tildanga Section
- ☐ Bonidanga - Tinpahar Section

### **Important Electrification works in progress**

- ☐ Tatanagar - Badampahar Section
- ☐ Tinpahar - Amrapali Section



*Electrification work in Ranchi - Lohardaga section*

**Unelectrified routes in Jharkhand being electrified in mission mode**

**Advantages :**

- ☐ Lower energy / fuel cost
- ☐ Faster trains resulting in reduction of journey time
- ☐ Environment friendly



### Illumination at par with "Airport Standard"

- ❑ As a part of its endeavour to provide facilities at railway stations at par with "Airport Standard", Indian Railways has taken initiatives to improve illumination at railway stations.
- ❑ "Airport Standard" lighting has been provided at 17 stations of Jharkhand



### Elimination of Unmanned Level Crossings

- ❑ Railway has taken a giant leap in ensuring safety of passengers through elimination of all Unmanned Level Crossings in the state of Jharkhand
- ❑ 252 unmanned level crossings have been eliminated in Jharkhand since April 2014

### Elimination of Manned Level Crossings

- ❑ 59 Manned Level Crossings have been eliminated in Jharkhand since April 2014



*Manned Level Crossing in Muri-Chandil Section*

## INFRASTRUCTURE THRUST

### Road Over Bridge / Road Under Bridge / Limited Height Subway

- ☐ Facilitating uninterrupted and safe movement of road traffic
- ☐ Improving speed of trains and safety

### Important Road Over Bridges Commissioned

- ☐ Road Over Bridge between Mohuda and Jamuniatand
- ☐ Road Over Bridge near Birsa Chowk between Ranchi-Hatia
- ☐ Road Over Bridge between Pendrasali and Chaibasa
- ☐ Road Over Bridge at Chakradharpur

### New Sanctioned Road Over Bridge / Road Under Bridge

Details	Sanctioned
Road Over Bridge / Road Under Bridge	29



*Birsa Chowk Road Over Bridge at Ranchi*



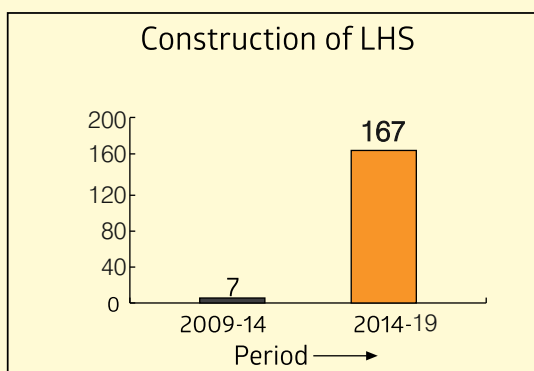
*Limited Height Subway*

84 Road Over Bridges and Road Under Bridges have been completed in the state of Jharkhand since 2014

### 167 Limited Height Subways completed

#### Construction of Limited Height Subways

2009-14	2014-19
7	167





## JHARKHAND CONNECTED - PASSENGER FOCUS



1. Flagging off of Tatanagar-Badampahar DEMU Passenger Train by Shri Narendra Modi, Hon'ble Prime Minister through Video Link from Baripada, Odisha on 05.01.19.
2. Inauguration of Tatanagar-Badampahar DEMU Passenger Train from Tatanagar Station on 05.01.2019 in presence of Smt Droupadi Murmu, Hon'ble Governor of Jharkhand, Sri Raghubar Das, Hon'ble Chief Minister of Jharkhand and other dignitaries. The train was flagged off by Shri Narendra Modi, Hon'ble Prime Minister through Video Link from Baripada, Odisha.
3. Tatanagar-Badampahar new DEMU Train just before its maiden journey from Tatanagar Station

### 50 new trains introduced

#### 2014-15

58032/58031	Tatanagar-Chakulia Passenger
22857/22858	Santragachi-Anand Vihar Weekly Express
18111/18112	Tatanagar-Yesvantpur Weekly Express
58659/58660	Hatia-Rourkela Passenger
18629/18630	Ranchi-New Jalpaiguri Weekly Express
73371/73372	Koderma-Hazaribagh Passenger
73373/73374	Koderma-Hazaribagh Passenger
73375/73376	Koderma-Gaya Passenger

#### 2016-17

22837/22838	Hatia - Ernakulam Weekly Express
22885/22886	Lokmanya Tilak Terminus - Tatanagar Antyodaya Express
22323/22324	Kolkata - Ghazipur City Weekly Superfast Express
13121/13122	Ghazipur City - Kolkata Weekly Express
73581/73582	Jasidih - Banka DEMU Passenger

#### 2017-18

58033/58034	Bokaro Steel City - Ranchi Passenger
53375/53376	Barkakana - Sidhwar Passenger
20817/20818	Bhubaneswar-New Delhi Rajdhani Express

## New Trains Introduced

### 2018-19

20828/20827	Santragachi – Jabalpur Humsafar Express
20822/20821	Santragachi – Pune Humsafar Express
22170/22169	Santragachi –Habibganj Humsafar Express
78029/78030	Tatanagar – Badampahar DEMU Passenger
22317/22318	Sealdah – Jammu Tawi Humsafar Express
15625/15626	Deoghar – Agartala Express
18634/18633	Ranchi-Patna Weekly Express
18640/18639	Ranchi-Ara Weekly Express
12235/12236	Madhupur-Anand Vihar Humsafar Express

## Increase in Frequency of Existing Trains

12877/12878	Ranchi-New Delhi Garib Rath Express from Bi-weekly to Tri-weekly
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Flagging off of Tatanagar-Chakulia Passenger by Shri Bidyut Baran Mahato, Hon'ble MP from Tatanagar Station on 2.1.2015



Tatanagar - Lokmanya Tilak Terminus Antyodaya Express

## 50 Trains Extended

### 2014-15

13133/13134	Sealdah-Varanasi Express upto Delhi
63208/63211	Patna-Jhajha MEMU upto Jasidih

### 2015-16

63596	Asansol-Bokaro Steel City MEMU extended to run via Muri-Kotshila
73369/73370	Koderma-Nawadih Passenger upto Kawar
73365/73366	Koderma-Nawadih Passenger upto Kawar



## Trains Extended

### **2016-17**

58653/58654 Ranchi-Barki  
Chanpi Passenger  
upto Tori

63571/63572 Jasidih-Kiul  
Passenger upto  
Mokama

53359/53360 Netaji Subhash  
Chandra Bose  
Gomoh-  
Barkakana  
Passenger upto  
Asansol

53371/53372 Koderma-  
Hazaribagh Passenger upto Barkakana

53373/53374 Koderma-Hazaribagh Passenger upto Barkakana



*Tata-Yesvantpur Express  
just before its maiden journey on 29.1.2015*

### **2017-18**

18110/18109 Jammu Tawi - Muri- Rourkela Link Express upto Sambalpur  
and renumbered as 18310/18309

68087 Bankura-Dhanbad MEMU Passenger upto Bishnupur

68019/68020 Jhargram-Chandrapura MEMU Passenger upto Phularitand

68019/68020 Jhargram-Phularitand MEMU Passenger upto Sonardih

### **2018-19**

18626/18625 Hatia – Patna Express up to Purnia Court

18624/18623 Hatia – Patna Express up to Islampur

58164/58163 Ranchi–Garbeta Passenger up to Kharagpur and  
converted to MEMU as 68086/68085

18404/18403 Barbil-Chakradharpur Express up to Rourkela

53081/53082 Rampurhat- Dumka Passenger up to Jasidih

53063/53064 Bardhaman– Barharwa Passenger up to Tinpahar

18611/18612 Ranchi - Varanasi Express up to Manduadih.

18311/18312 Sambalpur- Varanasi Express up to Manduadih

68019/68020 Jhargram-Sonardih MEMU up to Dhanbad

12832/12831 Bhubaneswar-Bokaro Steel City Garib Rath Express  
up to Dhanbad

53369/53370 Koderma - Kowar DEMU Passenger up to Madhupur

53365/53366 Koderma - Kowar DEMU Passenger up to Maheshmunda

**New Stoppages Introduced**

New Stoppage	Train no. & name
Ghaghra	<input type="checkbox"/> 58111/58112 Tatanagar-Itwari Passenger <input type="checkbox"/> 58113/58114 Tatanagar-Bilaspur Passenger <input type="checkbox"/> 58115/58116 Chakradharpur-Rourkela Passenger
Birarajpur	<input type="checkbox"/> 68023/68024 Jhargram-Purulia MEMU <input type="checkbox"/> 68019/68020 Jhargram-Dhanbad MEMU <input type="checkbox"/> 68056/68055 Tatanagar-Asansol MEMU <input type="checkbox"/> 58661/58662 Tatanagar-Hatia Passenger <input type="checkbox"/> 58142/58143 Tatanagar-Hatia Passenger <input type="checkbox"/> 58023/58024 Tatanagar-Barkakana Passenger
Sini	<input type="checkbox"/> 12021/12022 Howrah-Barbil Jan Shatabdi Express
Ramakunda Halt	<input type="checkbox"/> 63542 Gomoh-Asansol MEMU <input type="checkbox"/> 63547 Dhanbad-Hazaribag MEMU
Silli	<input type="checkbox"/> 53337/53338 Garbeta-Ranchi Passenger
Chandrapura	<input type="checkbox"/> 18627/18628 Howrah-Ranchi Intercity Express <input type="checkbox"/> 19413/19414 Ahmedabad-Kolkata Express <input type="checkbox"/> 19608/19607 Ajmer-Kolkata Express <input type="checkbox"/> 13403/13404 Ranchi-Bhagalpur Express <input type="checkbox"/> 13303/13304 Dhanbad - Ranchi Intercity Express <input type="checkbox"/> 13425/13426 Malda Town-Surat Express <input type="checkbox"/> 22805/22806 Bhubaneswar - Anand Vihar Express
Tatanagar	<input type="checkbox"/> 12222/12221 Howrah-Pune Duronto Express <input type="checkbox"/> 12262/12261 Howrah-Mumbai Duronto Express
Dhanbad	<input type="checkbox"/> 12259/12260 Sealdah-New Delhi Duronto Express
Barkakana	<input type="checkbox"/> 12453/12454 Ranchi-New Delhi Rajdhani Express <input type="checkbox"/> 12877/12878 Ranchi-New Delhi Garib Rath Express
Netaji Subhash Chandra Bose Gomoh	<input type="checkbox"/> 12443/12444 Haldia-Anand Vihar Express <input type="checkbox"/> 12819/12820 Odisha Sampark Kranti Express <input type="checkbox"/> 22811/22812 Bhubaneswar-New Delhi Rajdhani Express via Adra <input type="checkbox"/> 22823/22824 Bhubaneswar-New Delhi Rajdhani Express via Tatanagar
Chakradharpur	<input type="checkbox"/> 22511/22512 Kamakhya-Lokmanya Tilak(T) Karmabhumi Express
Chandil	<input type="checkbox"/> 12801/12802 Puri-New Delhi Purushottam Express
Ghatshila	<input type="checkbox"/> 12801/12802 Puri-New Delhi Purushottam Express <input type="checkbox"/> 12021/12022 Howrah-Barbil Jan Shatabdi Express



## New Stoppages Introduced

Khanoodih	❑ 12443/12444 Haldia-Anand Vihar Express
	❑ 22857/22858 Santragachi-Anand Vihar Express
Mohuda	❑ 13403/13404 Ranchi-Bhagalpur Express
	❑ 13303/13304 Dhanbad - Ranchi Intercity Express
	❑ 15662/15661 Kamakhya - Ranchi Express
	❑ 13425/13426 Malda Town-Surat Express
Jasidih	❑ 12273/12274 Howrah-New Delhi Durgam Express
Kumardubi	❑ 12379/12380 Sealdah-Amritsar Jallianwalabagh Express
Johna/Goutamdihara	❑ 58142/58143 Tatanagar - Hatia Passenger
Muri	❑ 22823/22824 Bhubaneswar-New Delhi Rajdhani Express via Tatanagar
Hendlaso	❑ 58653/58654 Ranchi - Tori Passenger
Bhokta Bagicha	
Chirugoda	❑ 58021/58022 Kharagpur – Tata Passenger
	❑ 68023 Jhargram – Purulia MEMU
	❑ 68006 Tata - Kharagpur MEMU
Bokaro Thermal	❑ 19413/19414 Ahmedabad- Kolkata Express
Koderma	❑ 15021/15022 Shalimar-Gorakhpur Express
Ramna	❑ 14371/14372 Barwadih-Chopan Triveni Link Express



*Baby Care Room in Ladies Waiting Area of Tatanagar Station*



*Charging facility in the coach of Howrah - Ranchi Intercity Express*



*Battery Operated Car at Tatanagar Station for the benefit of senior citizens*



*Charging facility at Tatanagar Station for the convenience of passengers*

## PASSENGER AMENITIES



Foot Over Bridge at Ranchi Station

## PASSENGER AMENITY WORKS COMPLETED

Item	No. of Stations
Foot Over Bridge (FOB)	22
Platform Raising / Extension	90
Platform Surfacing	112
Circulating Area Improvement	31
Platform Shelter	133
Yatri Ticket Subidha Kendra (YTSK)	12



Inaugural Run of Ranchi - Barkichanpi - Tori Passenger Special on 09.03.2017



## PASSENGER SECURITY

### Installation of CCTV

No. of stations	No. of CCTV Cameras Installed
14	354



*Round the clock CCTV surveillance at major stations*

- ☐ CCTV Cameras have been installed at major stations
- ☐ Child Helpline/Helpdesk is operational at Ranchi, Tatanagar, Bokaro Steel City and Chaibasa

### Rescue of Children

Period	No. of Children Rescued
2014 to 2019	1,075



*Child Assistance Centre at Ranchi Station*



*Security personnel handing over rescued children to their parents*

## PASSENGER SECURITY

### Deployment of Dog Squad

Dog Squads are utilised for detection of crime as well as detection of objectionable / dangerous articles in trains and railway premises.

No. of stations	No. of Dogs
5	11



*Dog squad in action*

### Passenger Awareness Programme on Security Helpline No. 182



*Ranchi Station*



*Hatia Station*



## FOCUS ON STATIONS



*Bokaro Steel City Station*



*Ranchi Station*



*Hatia Station*



*Tatanagar Station*

## FOCUS ON STATIONS



*Ranchi Station to be re-developed as world class station*

## ESCALATORS

No. of Stations	No. of Escalators
6	11



*Escalator at Ranchi station*

## LIFTS

No. of Stations	No. of Lifts
5	9



*Lift at Ranchi station*

## TOILET FOR DIVYANG

For the benefit of Divyang persons, special toilets have been constructed at 99 stations.



*Divyang Toilet at Tiruldi station*



## FOCUS ON STATIONS

### WATER VENDING MACHINE

With a view to provide cold and purified drinking water to the passengers, 45 number of Water Vending Machines have been installed at 16 stations.



*Water Vending Machine at Tatanagar station*

### STATION BEAUTIFICATION

Beautification of stations has been undertaken to promote tribal and local art.



*Beautification of Kandra Station Premises*



*Beautification of Entrance of Chakradharpur Station*



*Beautification of Foot Over Bridge at Sini Station*

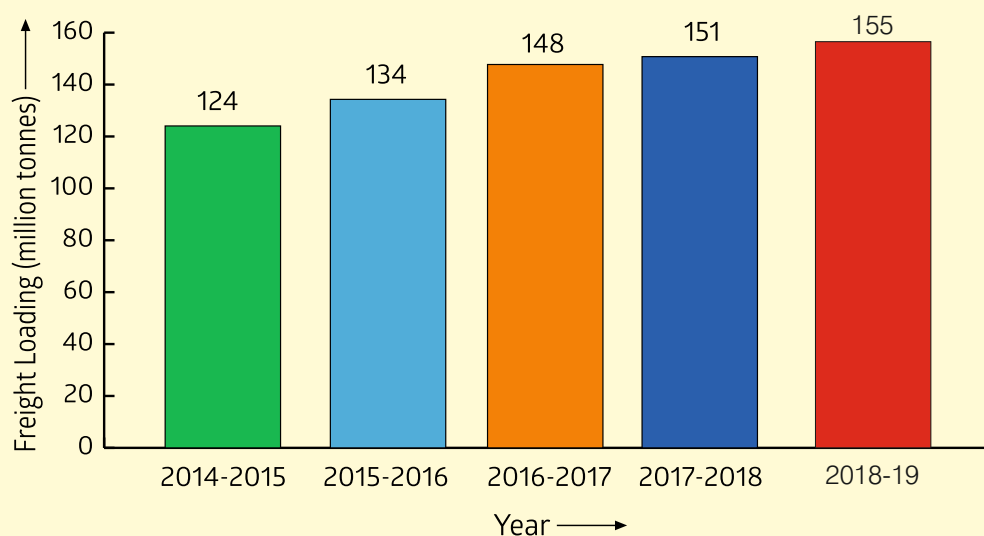




## MOVING JHARKHAND'S ECONOMY

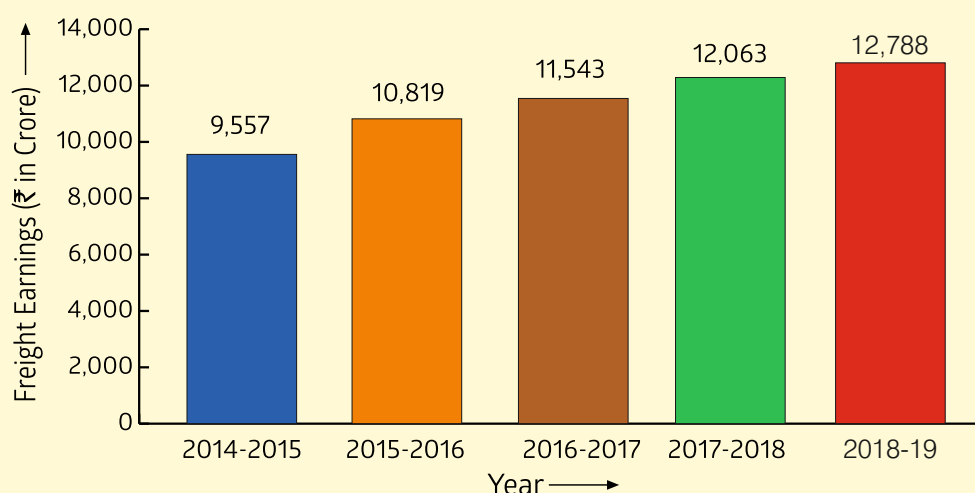
### Year wise Freight Loading (million tonnes)

2014-2015	2015-2016	2016-2017	2017-2018	2018-19
124	134	148	151	155



### Year wise Originating Freight Earnings (₹ in Crore)

2014-2015	2015-2016	2016-2017	2017-2018	2018-19
9,557	10,819	11,543	12,063	12,788



- ❑ 46 Goods Sheds have been opened for goods traffic during 2014-19
- ❑ 26 Sidings have been commissioned during 2014-19

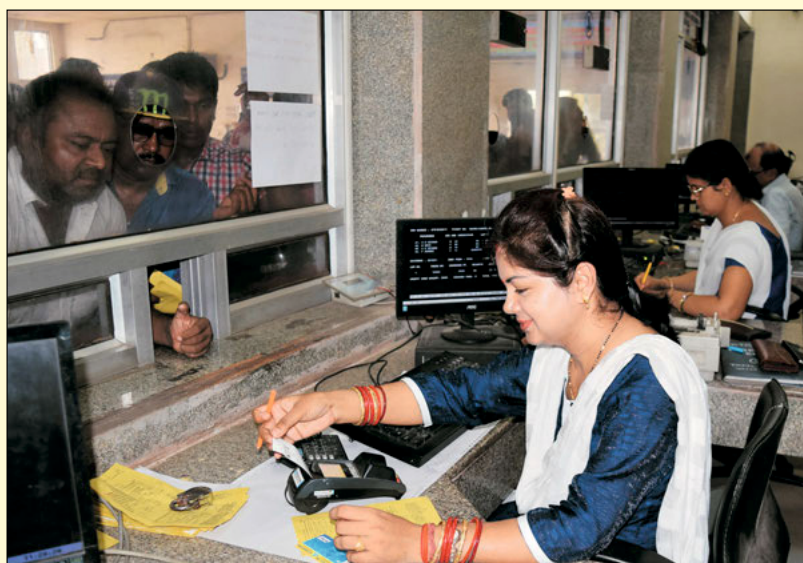
## DIGITAL INDIA



*Free Wi-Fi facility at Ranchi Station*

- ❑ Fast & Free Wi-Fi
- ❑ Cashless transactions can be made through BHIM, RuPay, debit cards, e-wallets etc. at many ticket counters

Facility	No. of Stations
Wi-Fi facility in Railway Stations of Jharkhand	31
POS Machine at Railway Locations in Jharkhand	147



*POS in Operation at Tatanagar*



## SWACHH BHARAT

- ❑ Ranchi Station being developed as Eco Smart Station



## ON BOARD HOUSE KEEPING (OBHS) SERVICE

No. of Depot	No. of Trains Covered
3	31



On Board House Keeping in important trains

## BIO TOILETS IN COACHES

No. of Depot	No. of Coaches
6	1618



Installation of bio toilets in coaches of trains

## MECHANISED LAUNDRIES

No. of Depot	Capacity per day
4	12 tonnes



Mechanised Laundry at Ranchi

## MECHANISED CLEANING AT STATIONS

Mechanised Cleaning	No. of Stations
Mechanised Cleaning in Railway Stations of Jharkhand	11



Mechanised Cleaning at Tatanagar station



## GREEN INITIATIVES

### PROVISION OF SOLAR PANELS

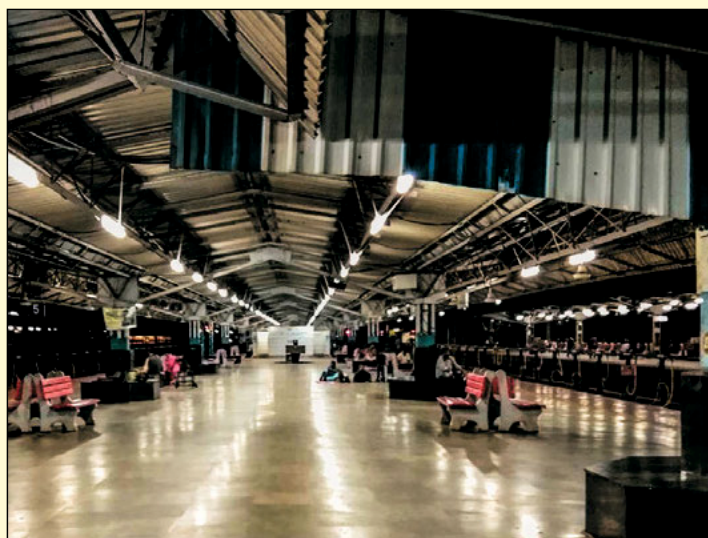
No. of Location	Capacity
11	More than 1.1 MWp



*Solar Panel Installed at Chakradharpur*

### PROVISION OF LED LIGHTS

All stations in Jharkhand have been provided with LED lights.



*Illumination of stations with LED Lights*

## IMPORTANT ONGOING PROJECTS & NEW SANCTIONED WORKS

Description	Kms in Jharkhand
Chakulia-Adityapur of Kharagpur-Adityapur 3rd Line (132 Kms)	77 Kms
Chakradharpur-Goilkera (3rd Line)	34 Kms
Bondamunda-Ranchi (Hatia) Doubling (159 Kms)	129 Kms
Koderma-Ranchi (New Line)	200 Kms
Giridih-Koderma (New Line)	111 Kms
Ranchi Road-Patratu (Doubling)	32 Kms
Garhwa Road-Ramna (Doubling)	32 Kms
Danea-Ranchi Road (Doubling)	25 Kms
Jarangdih-Danea (Doubling)	29 Kms
Namkom-Kandra (New Line)	106 Kms
Lodhma-Piska Link Line bypassing Hatia/Ranchi with Y Connection	17 Kms
Chandil-Anara-Burnpur (3rd Line) with additional loop lines (125 km)	13 km
Doubling of Line Between Talgaria Station - Bokaro N Cabin	38 Kms
Parasnath - Madhuban - Giridih (New Line)	35 Kms
Pandetola - Dumka Electrification	58 km
Jasidih - Deoghar - Dumka Electrification	73 km



*Double line work in progress between Chakradharpur and Rajkharswan*



## DEDICATED FREIGHT CORRIDOR

- ❑ The Eastern Dedicated Freight Corridor, being constructed under the aegis of Dedicated Freight Corridor Corporation of India (DFCCIL), with a total route length of 1856 Kms. has 196 Kms. running through the state of Jharkhand. This corridor will cater to a number of vital traffic streams originating from Jharkhand or passing through Jharkhand
  - ◆ Coal for the power plants from Eastern Coal fields in Jharia region of Jharkhand
  - ◆ Finished steel from Bokaro Steel Plant
  - ◆ Cement from factories of ACC in Patratu, Dalmia and Lafarge groups
  - ◆ Fertilizers from FCIL, Sindri
  - ◆ It would also quantitatively speed up transport of lime stone from Rajasthan to steel plants in the east and general goods
- ❑ Eastern Corridor will also benefit the people of Jharkhand, who use railways for travelling
  - ◆ By absorbing about 70 per cent of the existing freight traffic
  - ◆ Average speed of passenger trains on the Grand Chord Kumardhubi-Dhanbad-Koderma section of Jharkhand on the Delhi - Howrah corridor will thereby increase by 25 kmph. and help operate passenger trains at maximum speed upto 160 kmph. with the existing infrastructure

State	Kms	Mode of Execution
Jharkhand	196	PPP Model





## ROAD AHEAD



Construction work in progress in Jharkhand

### Benefits of Network Expansion

- ❑ Save travel time of lakhs of commuters
- ❑ Socio-economic growth in the region





## ROAD AHEAD



Fully Double Line Track on all important Routes

Totally Electrified Network

New Range of Train Services

Modern Station Buildings with State of the Art  
Passenger Amenities







