



Shri Narendra Modi

Hon'ble Prime Minister

NEW RAILWAYS NEW TELANGANA

(2014 - 23*)





Desh ko Gati rail se... Pragati bhi rail se.

Shri Narendra Modi Hon'ble Prime Minister





Preface



Arun Kumar Jain

General Manager South Central Railway

Railways in India has always been identified as the lifeline, lending wheels to economic and industrial growth of the Nation, besides fulfilling public aspirations to stay connected. The emphasis towards developing the rail network has picked up momentum in the last few years, driven by the objective to meet expectations of the Hon'ble Prime Minister of India, who envisaged Indian Railways to develop and modernise its system for bringing about a qualitative change in the lives of the people.

Telangana State has been pivotal to the plans of Railways all through. Priority to serve the transport requirements of the state relate to a dual centric approach: Enhancing rail connectivity for public needs within the state forms basis for the developmental agenda on one side, while on a broader perspective, the mission is meant to strengthen rail system passing through Telangana, which is the gateway to South India.

Telangana is witness to the best period of rail development in the last 9 years, having attained major milestones of growth. Capital investments for Rail projects rose from Rs.258 crore in 2014-15 to Rs.4,418 crore in 2023-24, a staggering increase by more than 17 times in 9 years. The network has expanded by 335 km of new lines and 239 km of doubling, tripling and quadrupling of rail lines. This infrastructure thrust includes fast tracking of other works including capacity enhancement.

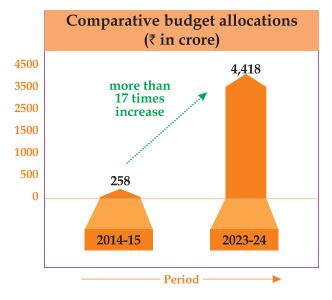
The make over of Railways in Telangana is visible in many aspects, giving a new meaning to ease and convenience of rail travel. Making stations digitally enabled, implementing the concept of Swachh Rail - Swachh Bharat to optimise cleanliness at Railway stations and trains, enhancing standards of passenger facilities/amenities and ensuring stations become 'Divyangjan' friendly, are amongst the measures which mattered. Safety and Security has been prime to the plans of Railways. Commitment towards environmental sustainability and eco conservation is a core component of every plan in implementation.

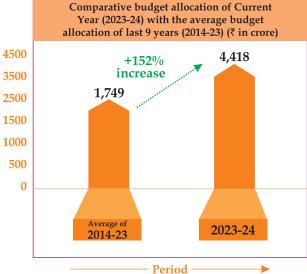
It is to the credit of Indian Railways and resilience of the citizens that the huge challenge posed by pandemic Covid-19 has been overcome by ensuring that the supply chain that banks on rails, keeps moving to meet any emergent need, be it to transport goods or carry home bound passengers. On the other hand, the regulation to train services offered an opportunity to undertake core infrastructure and maintenance works without interruption, so as to present a more energetic system for use in the times to come.

Indian Railways remain committed to shape every genuine requirement of Telangana state, in tune with a futuristic plan that has been conceptualised. People of the State can sure expect the best to come from Railways in the days ahead.

Increased capital investments

- Annual budget grant of Railways in Telangana has increased by more than 17 times in 2023-24 as compared with the grant in 2014-15
- ➤ Current Year (2023-24) budget allocation is 152% more than the average budget allocation for the last 9 years (2014-23)





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



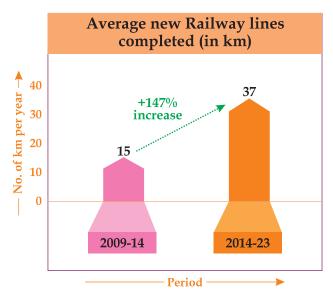
Maula Ali - Ghatkesar Quadrupled line

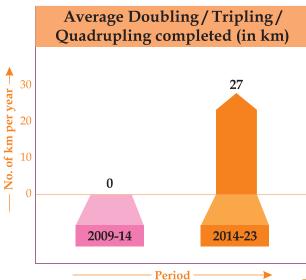


Bridge across River Godavari on newly constructed third line between Mancherial and Peddampet

Works completed in last 9 years

- > 335 km New Railway lines completed
- > 239 km Doubling/Tripling/Quadrupling works done
- Average new Railway lines completed during 2014-23 is 37 kms per year as compared to 15 kms per year during 2009-14
- Average Doubling / Tripling / Quadrupling of Railway lines completed during 2014-23 is 27 km per year as compared to Nil kms during 2009-14





Works in Progress

➤ All the Non-Electrified Railway routes in the state are being electrified rapidly



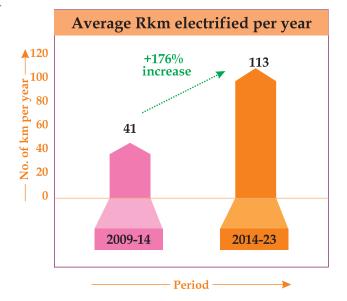
Major bridge in Karimnagar - Nizamabad New Railway Line

Electrification of Railway Lines

- Average electrification of Railway routes per year increased from 41 km in 2009-14 to 113 km per year in 2014-23
- > 1,019 RKms electrified since 2014
- ➤ In addition, 535 Track Kms (Doubling & Thirdline etc.) electrified since 2014

Advantages

- Seamless connectivity
- > Faster trains
- Environment friendly
- Low fuel costs





Newly Electrified Medchal - Bolarum Section

Important projects completed since 2014

New Railway lines

- Nizamabad Lingampet Jagityal
- Mellacheruvu Mattampalli Janpahad
- > Devarkadra Krishna (Entire Telangana Portion of Munirabad Mahbubnagar project)
- > Telapur Ramachandrapuram (Part of MMTS Phase-II project)
- Manoharabad Duddeda (Part of Manoharabad Kothapalli project)
- Bhadrachalam Road Sattupalli
- Akanapet Medak

Doubling/Tripling/Quadrupling of Railway lines

- > Bolarum Medchal Doubling
- > Falaknuma Mahbubnagar Doubling
- > Raghavapuram Peddampet Manchiryal Mandamarri Tripling
- Potkapalli Uppal Tripling
- > Errupalem Gangineni Tripling
- Moula Ali Ghatkesar Quadrupling

Electrification of Railway lines

- Uppal Mandamarri (3rd Line)
- Malkajgiri Manoharabad (incl. 2nd Line)
- Chegunta Yedulapur (incl. 2nd Line)
- Pagidipalli Pondugula
- Peddapalli Nizamabad
- Telapur Ramachandrapuram
- Mattampalle Vishnupuram
- Moula Ali Ghatkesar (3rd & 4th Line)
- Vikarabad Matalkunta
- Falaknuma Mahabubnagar (incl. 2nd Line)
- Mahabubnagar Alampur Road
- Gadwal Panduranga Swamy Road
- Pimpalkutti Ambari
- Bhadrachalam Sattupalli (Goods Line)
- Errupalem Gangineni
- Basar Manoharabad
- Janakampet Bodhan



New Railway Line with Electrification in Telapur-Ramachandrapuram Section



Jaklair Station Building



New Railway line at Armur Station



Telapur Station Building



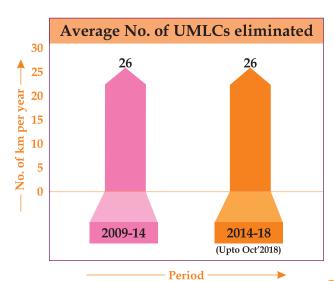
Medak Station Building

Elimination of Level Crossings (LCs)

- All 121 unmanned level crossings have been eliminated on Railway network since April 2014 in the state of Telangana to enhance safety
- Manned LC gates are being eliminated in phased manner
- ➤ 174 manned LC gates eliminated since April 2014

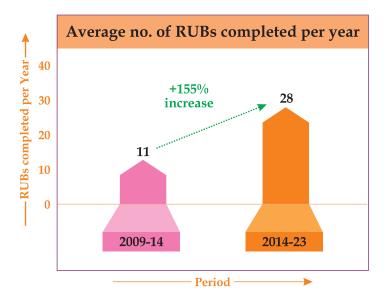


UMLC converted to Limited Height Subway



Road over / under bridges (ROB/RUB)

- ➤ Facilitating uninterrupted and safe movement of road traffic
- Improving speed of trains and ensuring enhanced safety



ROBs Completed since last 9 years

> 38 ROBs Completed during 2014-23



RUB at Uttam Nagar on Secunderabad - Bolarum section

Capacity enhancement

Works commissioned since 2014

- > Other End Maintenance (OEM) facility provided at Lingampalli station
- ➤ Electric loco shed at Lallaguda augmented for homing 260 locos
- Electric loco shed at Kazipet augmented for homing 175 locos
- > Additional loop lines constructed at Tadikalpudi, Manuguru and Naskal
- > By-pass line constructed at Ramagundam yard
- > New crossing stations constructed at Bommalapalli, Mattampalli and Rayanguda



- Automatic coach washing plant setup at Kacheguda, Secunderabad & Hyderabad Stations
- Standard layout (enhancement in train operations) is developed at Ramannapet Station
- ▶ Platform No.1 & 2 is connected to shunting neck at Nizamabad
- Provision of siding line for goods loading at Sultanabad station
- Basar, Gadwal, Moulali, Kesamudram, Shankarpalli and Nagalapalli stations are converted as Adarsh Stations
- ➤ Intermediate Block Signal (IBS) provided in 8 sections to increase section capacity
- > Quick Watering System provided at Secunderabad and Kacheguda Stations



"Shatashv" 100th WAP7 locomotive of Electric loco shed, Lallaguda, Secunderabad



Automatic coach washing plant at Kacheguda

Capacity enhancement

Works commissioned since 2014

- Washing siding of Secunderabad station extended and improved with CAMTECH design facilities to accommodate full length rake.
- Enhancement of Maximum Permissible speed to 130 Kmph has been sanctioned in High Density Network between Secunderabad Kazipet and Golden Diagonal route between Kazipet Vijayawada
- > For the First time over SCR, ballast PSC Bridge of over 1 Km length between Manchiryal Peddampet has been given maximum permissible speed of 100 Kmph
- Kavach IR's indigenous Automatic Train Protection System has been deployed over 617 kms covering 63 stations between Dharmabad - Kurnool Town



- > Two Block stations commissioned in coal loading sections at Raghapuram between Motumari Vishnupuram and at Pocharam between Dornakal Karepalli
- Commissioned Bhadrachalam Road bypass cabin with electronic Interlocking system
- Completed and commissioned Bypass line at Motumari Station towards Vishnupuram to ease moment of Freight Trains, especially Coal Traffic
- Lallaguda workshop has achieved highest Annual POH outturn of 1776 coaches since its inception during the year 2022-23.
- > Intermediate Overhauling (IOH) of Brake Vans (BVZI) has been started at Sanatnagar Freight depot.



Train collision avoidance system (TCAS)



Maximum permissible speed (MPS) 130 kmph

Focus on stations

Improvements to station building facades



Basar Railway Station



Lingampet Jagityal Railway Station



Zaheerabad Railway Station



BHEL Halt Station Building



Ramachandrapuram Railway Station



Mahbubnagar Railway Station

Stations improved / Newly constructed

Improvement to Station Buildings / Facade

> Improvement to station buildings/facades completed at 27 stations during 2014-23



Gadwal Railway Station



Warangal Railway Station



Malkajgiri Railway Station

Station Redevelopment

Ministry of Railways has taken up prestigious project of 'Redevelopment of Railway Stations' so as to provide world class amenities with elegant features and give aesthetic look to the stations. In Telangana, as part of it, SCR has undertaken upgradation of Secunderabad station in October, 2022. The project is targeted for completion within 36 months. The approximate cost for the execution of this project is Rs 700 crores.





Development of Charlapalli Terminal

Charlapalli Railway station has been identified for developing as a new and alternate coaching terminal in the capital city region of Telangana. Several infrastructural works including provision of passenger amenities have been sanctioned with an estimated cost of Rs 221 crores.



Amrit Bharat Station Redevelopment Scheme

A new policy named "Amrit Bharat Station Redevelopment Scheme" has been conceptualized for modernization of the railway stations. This scheme envisages development of stations on a continuous basis with a long term vision, as per the needs and patronage of the station. 35 stations of Telangana have been identified for this purpose and the work is in progress.









Passenger amenities

Provision of Foot over bridges, Subways, Escalators and Platform extensions etc., are being treated now as safety items with unlimited budget

- Foot over bridges
- > Escalators
- Lifts
- Platform extensions

Works in progress for

> 4 Lifts

Proposals on hand for

- 2 escalators
- > 13 lifts



Lift at Nizamabad Railway station



Comfortable lounge at Kacheguda station

In last 9 years

- > 39 foot over bridges constructed
- > 17 escalators provided
- > 50 lifts installed
- > 79 platform extension/raising of platforms completed



Platform extension at Sitafalmandi station



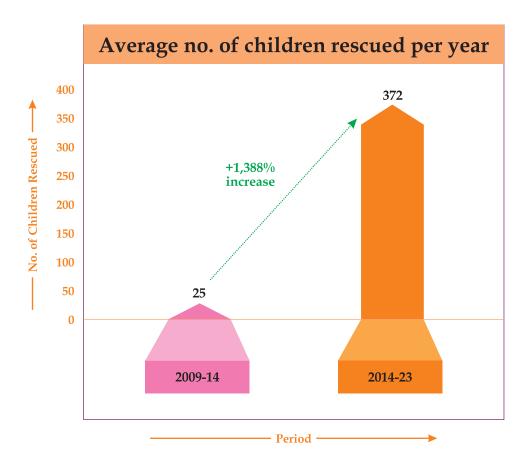
Foot over bridge at Secunderabad Station



Escalator at Secunderabad station

Passenger security

- Integrated security system introduced at Secunderabad and Hyderabad Railway stations along with CCTV surveillance with 133 Cameras
- > 313 CCTV cameras installed at 17 Railway stations
- Proposed to install 1,160 cameras at 34 stations under NIRBHAYA fund



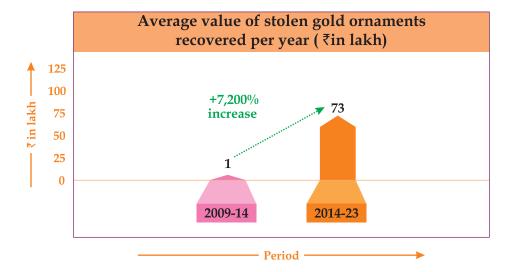


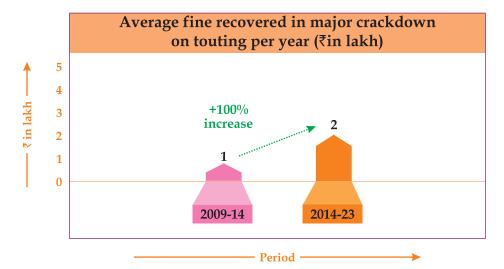
Child help desk at Secunderabad Railway Station

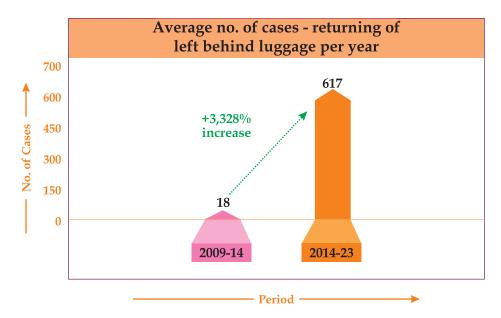


CCTV surveillance monitoring at Secunderabad Railway Station

Passenger security

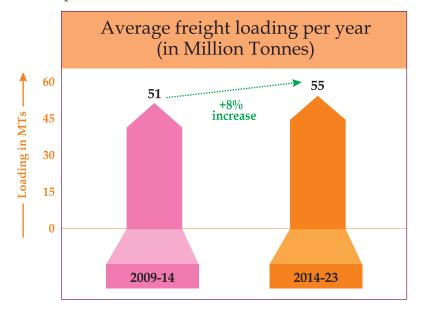






Moving Telangana's economy: Freight

- > Nine private sidings commissioned in the last 9 years
 - M/s Kalburgi Cement Pvt. Ltd., Tandur,
 - M/s Penna Cement Industries Ltd., Tandur
 - M/s Chettinad Cement Corporation Ltd., Tandur
 - M/s Sagar Cements Ltd., Mattampalli
 - M/s Singareni Collieries Co. Ltd., Asifabad
 - M/s Singareni Thermal Power Plant, Mancherial
 - M/s Singareni Collieries Ltd., Mancherial
 - M/s Deccan Cements Ltd., Janpahad
 - M/s Ramagundam Fertilisers and Chemicals Ltd., Ramagundam
- Gati Shakti Cargo Terminals commenced at Tipparthi, Parthasaradhipuram, Sultanabad and Ramagundam
- New private freight terminals commissioned at Shankarpalli, Nekkonda, Nagireddypalli and Kaukuntla
- > 11 New stations opened for handling goods traffic viz., Janpahad, Bhadrachalam Road, Sadasivapet Road, Medchal, Bolarum, Dichpalli, Mattampalle, Gajwel, Manuguru, Hasanparti Road and Medak.



- Period -







Singareni Thermal Power Plant, Mancherial

Freight initiatives during Covid-19

- ➤ Uninterrupted movement of freight trains during lockdown to ensure the supply of essential commodities across the Nation
- ➤ 10 million tonnes of food grains transported from Telangana to different parts of the country to balance the food supply since April 2020
- > 13 rakes of essential commodities like turmeric and dry chillies transported from Nizamabad and Warangal to Bangladesh Railways
- ➤ Unique concept of 'Jai Kisan' trains introduced from Telangana by clubbing two freight trains to ensure fast delivery of food grains
- > 44 rakes of 'Jai Kisan' special trains operated from Telangana
- > Food grains transported to Tamil Nadu from two private freight terminals of Telangana
- > For the first time in Indian Railways, a unique concept of "Cargo Express" introduced from Telangana to aid small and medium sized freight customers
- As part of it, a time tabled freight train has been operated from Sanathnagar in Telangana to Adarsh Nagar in New Delhi
- ➤ Automobiles transported from Zaheerabad to Jirania Station in Tripura, farthest distance covered by SCR for the First time



Loading of Dry Chillies from Nizamabad to Bangladesh



Loading of Fly Ash from Singareni Thermal Power Plant of Telangana

Oxygen Express

➤ 4,056 MT of Liquid Medical Oxygen delivered at Sanathnagar in Telangana transported in more than 200 tankers from Eastern & Western parts of Country



Parcel initiatives during Covid-19

- First Kisan Rail from Telangana operated from Warangal
- > 30,473 tonnes of Agricultural products transported through 67 Kisan Rails
- > 312 time tabled parcel trains operated apart from SLRs in special trains
- > 2,05,259 tonnes of parcels transported to different parts of the country
- > Medchal Railway station within suburb of Hyderabad is opened for Parcel Traffic
- Long lead weekly parcel express started from Kacheguda in Telangana to New Guwahati and new high capacity LHB parcel vans have been introduced for the benefit of parcel customers



Shramik Specials

- > The First Shramik Special on Indian Railways was operated from Lingampalli in Telangana to Hatia in Jharkhand.
- ➤ 151 Shramik specials operated from 14 stations and transported around 1,87,303 passengers to different destinations over the country.



A record 40 Shramik specials rolled out from Telangana within a span of 12 hours (between 4pm of May 23 and 4am of May 24, 2020)



Infra maintenance during Covid-19

- ➤ Rebuilding or rehabilitation or repair work of bridges carried out at 42 locations
- Conversion of wooden scissors layout with specially designed PSC sleeper layout with CMS crossings at Kazipet yard
- Centralized electronic interlocking and double distance signals have been provided at Shadnagar, Balanagar and Gollapalli stations



Scissors crossing at Kazipet

Track maintenance works

- ➤ Converting Covid-19 crisis into an opportunity, taking the advantage of reduced train movements, Railways swiftly completed track maintenance works in the state of Telangana to enhance safety
- > Track maintenance activity carried out in the state of Telangana is one among the best maintenance activities carried out over Indian Railways

Track maintenance activity in Telangana

Sl.	Name of the work	202	20-21	2021-22	
No.		Length (in Km)	Points (in numbers)	Length (in Km)	Points (in numbers)
1	Plain packing (3X, CSM, WST)	5,007	-	5,027	-
2	Turnout packing (UNIMAT)	-	2,232	-	1,745
3	Ballast cleaning machine (Plain track)	306	-	242	-
4	PQRS works	27	-	20	-
5	T-28 works	-	135	-	142



RUB at Umda Nagar



Track maintenance work

Quarantine / Isolation coaches

- As per the advise from the Ministry of Railways, Rail coaches have been converted into quarantine / isolation coaches in preparedness for any quarantine / isolation requirements during Covid-19
- ➤ The Workshops / Depots located in the state of Telangana have completed conversion of 236 coaches as quarantine / isolation Coaches



Quarantine / Isolation Coaches

Covid wards setup at Railway hospitals

- ➤ Central Hospital, Lallaguda and Railway Poly Clinic, Kazipet situated in Telangana state has been identified as Covid care hospitals for treating Railway employees, retired personnel and their beneficiaries suffering with mild symptoms of Covid-19
- ➤ 142 beds have been set-up at Railway Hospital, Lallaguda
- > 30 beds have been set-up at Railway Poly Clinic, Kazipet
- ➤ In addition, a total of 329 Quarantine beds have been provided at 11 locations across the Telangana
- Oxygen generation plant setup at Central Hospital, Lallaguda (500 Litres per minute capacity) Sub Divisional Hospital, Kazipet (150 LPM Capacity), Rail Kalyan, Mettuguda (150 LPM Capacity)



Isolation Wards Quarantine Wards

22

Digital Rail - Digital India

Fast and Free Wi-Fi

Free high speed Wi-Fi network provided at all
 Railway stations in Telangana state, except halt stations



➤ 174 stations in Telangana provided with free Wi-Fi facility in the last 9 years.

DiGiPAY Stations

- 4 stations viz., Kacheguda, Hyderabad, Secunderabad and Basar are now completely DiGiPAY Stations
- ➤ Cashless transactions can be made through BHIM/RuPay/Debit Cards/ e-wallets, etc. at all ticket counters

UTS App

> UTS App is extended on Pan India level for purchase of paperless unreserved ticket from any station to any station including platform ticket and season tickets

QR Code Payments at Automatic Ticket Vending Machine (ATVMs)

> Enabled payments through QR Code for tickets purchased through ATVMs









Swachh Rail - Swachh Bharat



- On-board house keeping services available on 34 pairs of trains
- Mechanised cleaning arrangements available at 14 stations.
- ➤ Clean train station (CTS) concept is available at Secunderabad station
- Mechanised cleaning of coaches is made available at 3 coaching depots
- All the identified 16 stations, pertaining to Telangana, identified by National Green Tribunal have received ISO 14001 certifications for implementing Environmental Management System
- Plastic Bottle Crushing Machines installed at 22 stations



Mechanised cleaning at Secunderabad Station



Mechanised cleaning at Vikarabad Station



Clean train station at Secunderabad



On-board Housekeeping

Green initiatives



Solar Panels on Roof Top of Kacheguda Station



Solar + Wind power panels at roof top of Centralized Training Academy for Railway Accounts (C-TARA), Secunderabad

Harvesting Solar Energy

➤ 5.6 MWP solar panels are provided at around 284 locations

Solar Initiatives

Innovative solar roof for booking office building at Kamareddi station and solar COP at Lingampalli

LED Fittings

All the Railway stations, Railway colonies, Street lights, LC gates in Telangana State are LED lit

Daylight Pipe Technology

➤ 286 locations provided with state-of-the-art day light pipes

Energy Neutral stations

➤ 11 stations made energy neutral

Sewage treatment

At Kazipet and Zahirabad

Effluent Treatment plants

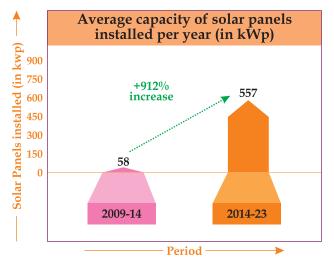
At Lallaguda Workshop and Diesel Loco Shed, Kazipet

Water Recycling Plant

 Recycling plants are installed at the following locations -Secunderabad, Kacheguda, Hyderabad, Central Hospital, Lallaguda, Rail Nilayam and Lallaguda Workshop

Waste to compost plants

Commissioned at Hyderabad,
 Kacheguda and Kazipet stations





LED-lit Begumpet Railway station



Water recycling plant at Kacheguda

Green initiatives

Green-Co certification awarded by Indian Green Building Council - confederation of Indian Industry (IGBC-CII)



Secunderabad Station - "Platinum Rating"



Hyderabad Station - "Platinum Rating"



Kacheguda Station - "Gold Rating"



Rail Nilayam - "Gold Rating"



Supervisors Training Centre - "Gold Rating"



Hyderabad Bhavan "Gold Rating"



Rail Nirman Nilayam "Gold Rating"



Diesel Loco Shed, Moula-Ali - "Gold Rating"



Diesel Loco Shed, Kazipet - "Gold Rating"



Stores Depot, Mettuguda "Silver Rating"



Carriage Workshop, Lallaguda "Silver Rating"



Electric Loco Shed, Kazipet "Silver Rating"

Status of the important projects sanctioned prior to 2014

New Line Projects

Sl. No.	Name of the Project	Cost (₹ in crore)	Length in km	Current status of the Project
1	Bhadrachalam - Kovvur	923	151	Sanctioned
2	Kondapalli - Kothagudem	616	125	Sanctioned
3	Devarakadra - Krishna (part of Munirabad - Mahbubnagar)	453	66	Completed (Entire Telangana portion)
4	Manoharabad - Kottapalli	1,160	151	65 kms completed
5	Bhadrachalam Road - Sattupalli	928	57	Completed
6	Akkanapet - Medak	118	17	Completed
7	Manuguru - Ramagundam	1,112	200	Sanctioned
8	MMTS - Phase II	817	84	57 kms completed
9	Macherla - Nalgonda	458	92	Sanctioned

Doubling, Third Line and Electrification Projects

Sl. No.	Name of the Project	Cost (₹ in crore)	Length in km	Current status of the Project
1	Kazipet - Vijayawada (3 rd line and Electrification)	1,820	220	In Progress
2	Manchiryal - Peddampet (3 rd line and Electrification)	117	09	Completed



MMTS Phase II Project works, Hyderabad

Status of the project sanctioned since 2014

New Line Projects

Sl.	Name of the	Cost	Length	Current status of the Project
No.	Project	(₹ in crore)	in km	
1	MMTS - Phase II up to Yadadri	412	35	Sanctioned

Doubling and Third Line Projects

Sl. No.	Name of the Project	Cost (₹ in crore)	Length in km	Current status of the Project
1	Kazipet - Balharshah (3rd Line)	2,020	202	61 kms completed
2	Kazipet By Pass	499	30	In progress
3	Secunderabad - Mahbubnagar	774	85	completed
4	Dharmabad - Alampur Road (part of Akola- Dhone project Excl. Bolarum-Mahbubnagar)	3,940	394	Sanctioned in 2020
5	Bibinagar-Pondugula (part of Bibinagar- Guntur)	1,430	143	Sanctioned in 2020



New Railway Line works under progress between Manoharabad - Kottapalli

Electrification Projects

Sl. No.	Name of the Project	Cost (₹ in crore)	Length in km	Current status of the Project
1	Peddapalli - Mortad	135	133	Completed
2	Nallapadu - Pagidipalli	374	285	Completed
3	Mortad - Nizamabad	50	45	Completed
4	Vikarabad - Bidar	269	262	Completed
5	Gadwal - Pandurangaswamy Road	46	37	Completed
6	Pimpalkutti - Ambari	62	58	Completed
7	Dharmabad - Alampur Road	511	433	500 Kms Completed
8	Janakampet - Bodhan	33	28	Completed

Manoharabad-Kothapalli New Line (151 km)



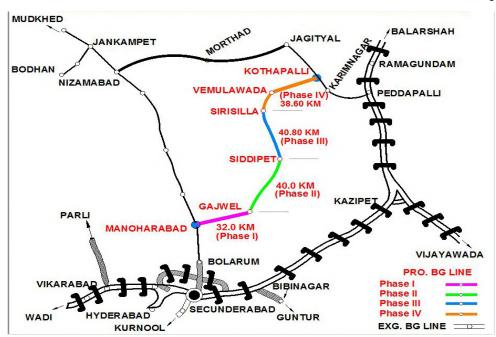
Shri Narendra Modi, Hon'ble Prime Minister unveiled the plaque to mark the foundation stone for construction of a new Railway line between Manoharabad-Kothapalli, at a function held at Gajwel, Medak District, Telangana on 7th August, 2016.

Salient features of the New Project

- > Provides direct connectivity between the capital city of Telangana and Karimnagar, fast developing district headquarters in Telangana State
- > Connects famous pilgrimage place, Vemulavada
- > Passes through districts of Medak, Siricilla and Siddipet

Status of the Project

The section from from Manoharabad - Duddeda for a distance of 65 kms completed



Fully double line tracks on all important routes

Totally electrified network

New range of train services

Modern station buildings with state-of-the-art Passenger amenities







