

ALWAYS STEADY **FUTURE READY**





75
Azadi Ka
Amrit Mahotsav

It is a great feeling to see our country celebrate Azadi Ka Amrit Mahotsav. I strongly believe that our nation has a glorious future. Together, let's come forward and make our country the most respected, fast moving & vibrant nation with our progressive approach.

I feel proud about our team's effort in clubbing all the achievements, developments and feats of Western Railway's progress story into this Coffee Table Book. While going through this book, I came across the mesmerising and nostalgic moments to the vibrant, progressive and fast - paced developmental works done in modern times by our team.

Truly the efforts of our railwaymen have been at par excellence. We are committed to make Western Railway, the growth engine of Indian Railway. My best wishes to the readers.



Ashok Kumar Misra
General Manager, Western Railway

I feel very honoured to be part of this prestigious Coffee Table Book on the occasion of Azadi Ka Amrit Mahotsav Celebration. Our team worked very hard in conceptualising this Coffee Table Book.

We never wanted to leave behind any topics which are relevant and prestigious from the Western Railway's journey of past 75 years in the service of the nation. After a lot of research, discussions, debates, brain storming sessions, we came out with some interesting communication as mentioned in this Coffee Table Book.

We look forward to such magnifying moments where we challenge ourselves to come out with the best piece of communication.. So go ahead and delve into the glorious past, mesmerising present and vibrant future plans of Western Railway in this book. Happy Reading.....



Sumit Thakur
Chief Public Relations Officer

INDEX

BB&CI TO WESTERN RAILWAY	2
ADDING MOMENTUM TO PROGRESS - VANDE BHARAT EXPRESS	6
NUMBERS SPEAK LOUDER	8
AC LOCAL TRAINS - COOL & COMFORTABLE	10
TRANSFORMATION OF SUBURBAN SERVICES IN MUMBAI	11
LUXURY COMPLETES 50 YEARS	14
VISTADOME - VIBRANT & PANORAMIC	16
CONSTRUCTIVE MOVES FOR BETTER FUTURE	17
TRANSFORMING RAILWAY STATIONS INTO ARCHITECTURAL MARVEL	19
SEAMLESS CONNECTIVITY TO STATUE OF UNITY	21

GETTING FUTURISTIC READY, MAKING TRAVEL FANTASTIC	23
RETIRING ROOMS TO POD – COMFORT REDEFINED	26
STEPS TO SAFETY	27
RELAX. REFRESH. REJUVENATE	28
SPEED @160	29
SIGNALLING BETTER OPTIONS....	30
SMARTER, FASTER TICKETING SOLUTION...	31
TRANSFORMING RAILWAYS WITH DIGITALIZATION	32
GREEN INITIATIVES UNDERTAKEN BY WESTERN RAILWAY	34
TORCH BEARERS	35
BEST MOMENTS TO CHERISH	37
HEADQUARTERS BUILDING’S STORY	42



MAP OF THE B. B. & C. I. Railway.



BARODA
STATE RAILWAY



BHAVNAGAR
STATE RAILWAY



PORBANDAR
STATE RAILWAY



KUTCH
STATE RAILWAY



MORVI
STATE RAILWAY



GONDAL
STATE RAILWAY



JAIPUR
STATE RAILWAY



DHRANGADHRA
STATE RAILWAY

BB&CI TO WESTERN RAILWAY

Born to Lead

The Bombay, Baroda and Central India Railway (BB&CI) was a company incorporated in 1855 to undertake the task of constructing railway lines between Bombay (Presently Mumbai) to the erstwhile Baroda (Presently Vadodara) city in Gujarat.

On **5th November, 1951** the Bombay, Baroda and Central India Railway Company was merged with Saurashtra Railway, Rajputana Railway, Jaipur State Railway and Kutch State Railway to give rise to the Western Railway.





Western Railway earned the distinction of introducing the first advanced & upgraded 2.0 version of Vande Bharat Express between Gandhinagar Capital & Mumbai Central stations. This train, equipped with superior passenger amenities & enhanced safety features, provides world class travelling experience to the passengers.



ADDING MOMENTUM TO PROGRESS - VANDE BHARAT EXPRESS

Vande Bharat Express offers a myriad of superior amenities which provides passengers with aircraft like travelling experience & advanced state-of-the-art safety features

- Indigenously prepared, Semi-High Speed Self-propelled train set
- Better riding comfort for passengers at 3.5 (riding index)
- Reclining seats in all classes while the Executive coaches have added feature of 180 degree rotating seats
- Coach Control Management System for monitoring Air-Conditioning, Communication and feedback to control centre/maintenance staff through GSM/GPRS
- Better heat ventilation and air-conditioning control by using higher efficient compressor with UV lamp for germ free supply of air
- Special Air-Conditioning duct for silent & equal distribution of conditioned air
- Divyang friendly washrooms and seat handles with seat numbers in Braille letters
- 32" Passenger Information and Infotainment System in every coach
- KAVACH - an indigenously developed Train Collision Avoidance System (TCAS)
- 4 platform side cameras including rear view cameras outside the coaches
- Better fire-fighting safety measures in all coaches
- Driver-Guard communication with voice recording facility
- Better flood proofing for under-slung electrical equipment that will withstand floods up to a height of 650 mm

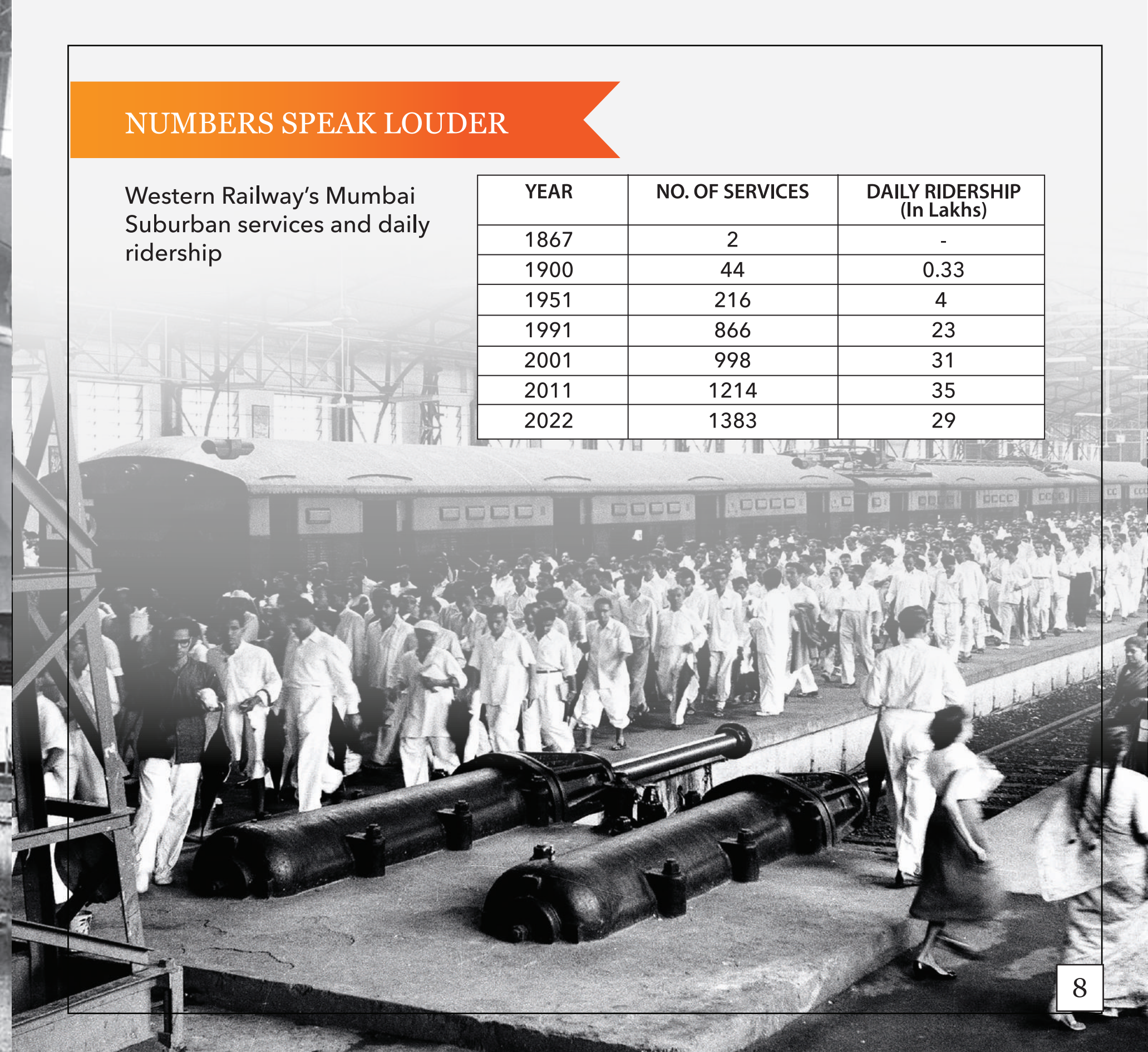




NUMBERS SPEAK LOUDER

Western Railway's Mumbai Suburban services and daily ridership

YEAR	NO. OF SERVICES	DAILY RIDERSHIP (In Lakhs)
1867	2	-
1900	44	0.33
1951	216	4
1991	866	23
2001	998	31
2011	1214	35
2022	1383	29



AC LOCAL TRAINS - COOL & COMFORTABLE

Western Railway is the first to introduce AC suburban services in Mumbai for the commuters, thus making their journey cool & comfortable. This was also India's first AC local train. It's a success amongst the commuters and more & more travellers are patronising these trains.



TRANSFORMATION OF SUBURBAN SERVICES IN MUMBAI

First suburban
train service
commenced
between Grant Rd &
Bassein Rd
(now Vasai Rd)

1865

Local Train service
commenced
between Virar &
Backbay

1867

Churchgate
station
opened

1870

First electric
EMU train on
Western Railway
started between
Colaba
and Borivali

1928

9 car
suburban
trains
introduced

1961

Country's 1st DC/AC
12 car
suburban services
introduced over
Western Railway

2001

The total number
of suburban
services
crossed
1000

2003

15 car trains
introduced

2009

Last DC EMU
train run on
4th Feb 2012
between Bandra
to Churchgate

2012

Total services
crossed 500

1972

12 coach
services
started between
Dadar – Virar
section

1986

World's First
Ladies Special
service introduced
on
Western Railway

1992

Exclusive
accommodation
facility for Senior
Citizens introduced
in suburban trains
over
Western Railway

1992

Exclusive
accommodation
for Divyangjans
introduced in
suburban trains
over
Western Railway

1993

Suburban
EMU trains
extended up to
Dahanu Road

2013

Ram Mandir
station opened

2016

India's first AC
suburban
train introduced
on Western
Railway

2017

Harbour Line
extended from
Andheri to
Goregaon

2018



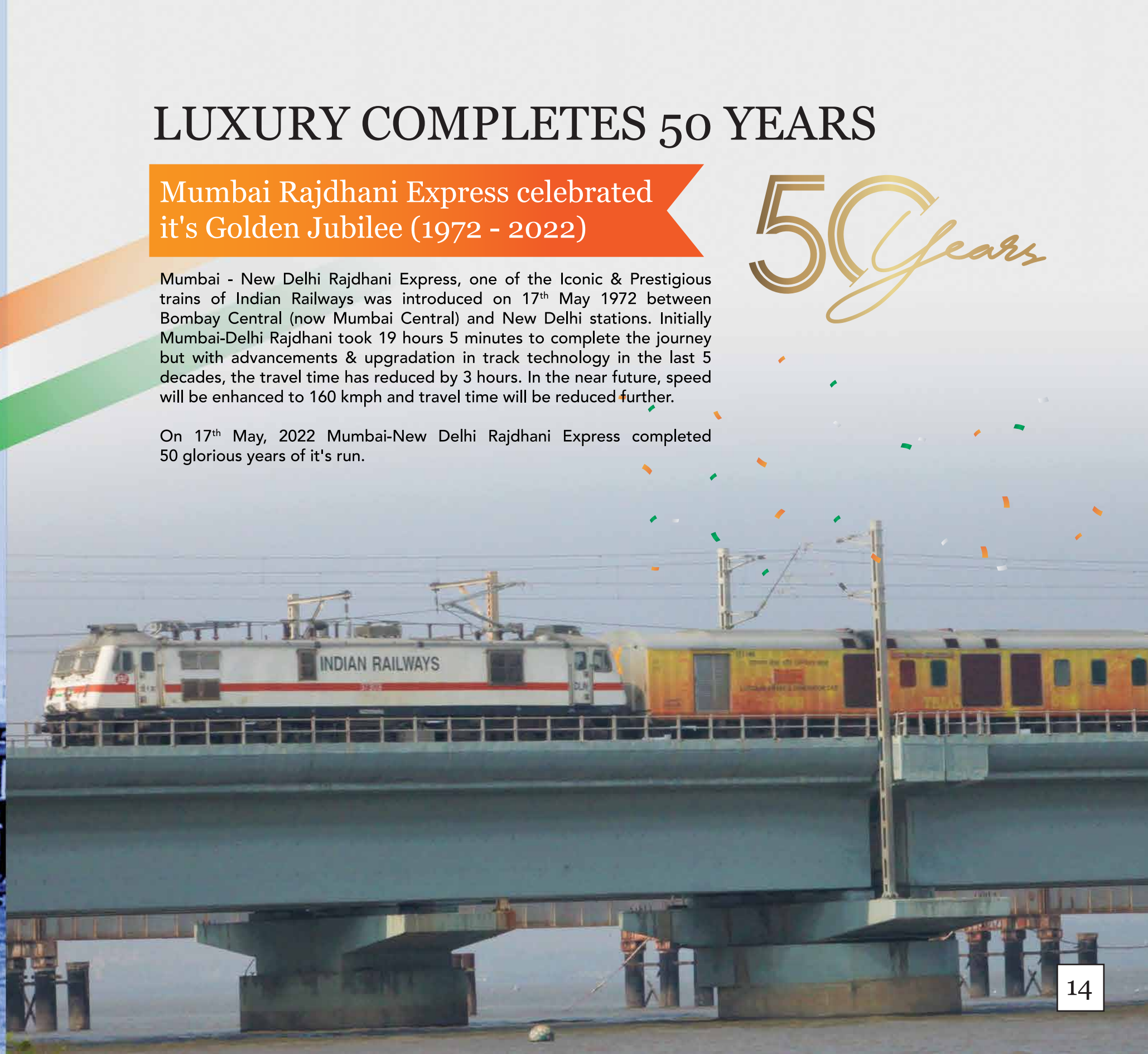
LUXURY COMPLETES 50 YEARS

Mumbai Rajdhani Express celebrated
it's Golden Jubilee (1972 - 2022)

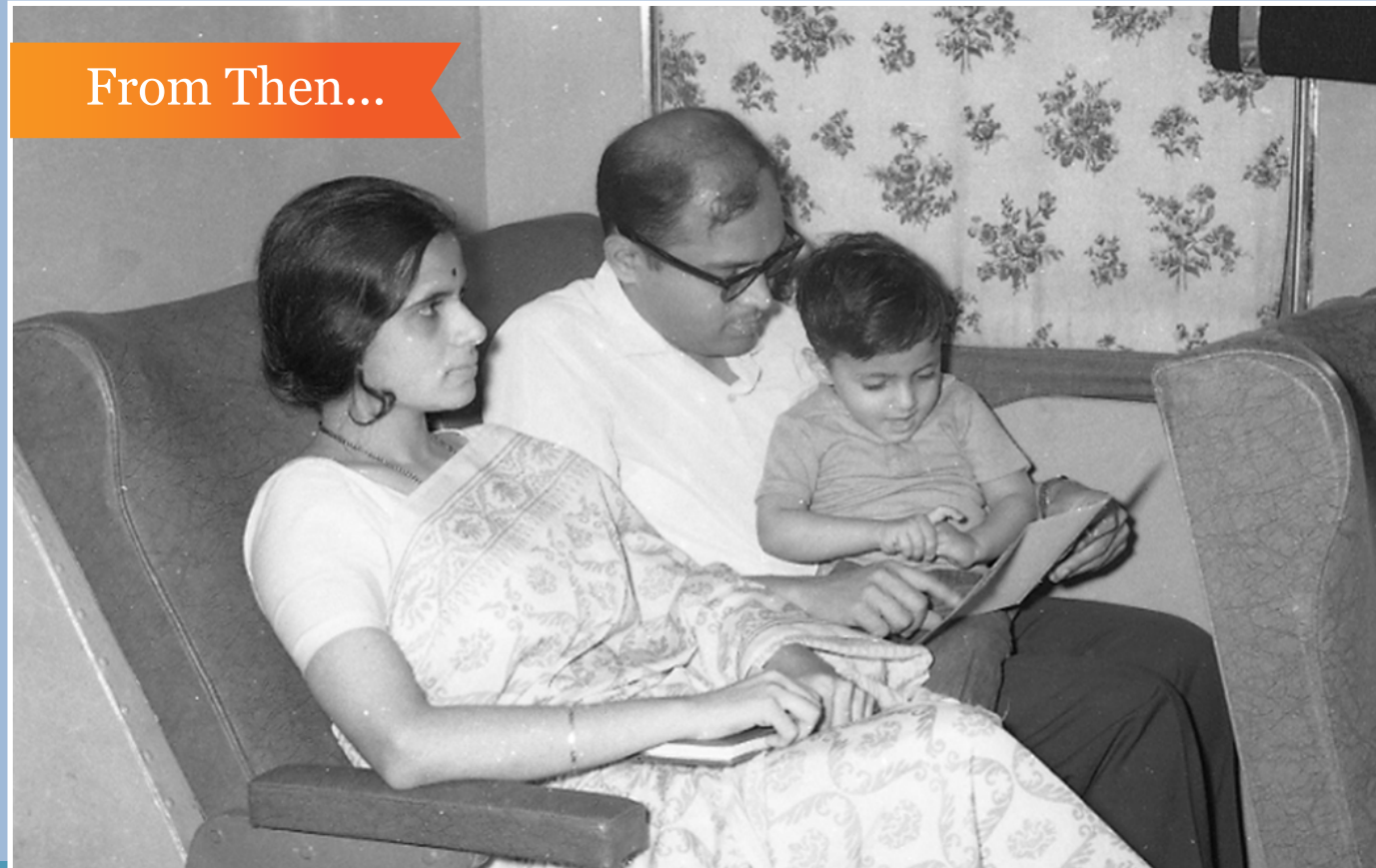
50 Years

Mumbai - New Delhi Rajdhani Express, one of the Iconic & Prestigious trains of Indian Railways was introduced on 17th May 1972 between Bombay Central (now Mumbai Central) and New Delhi stations. Initially Mumbai-Delhi Rajdhani took 19 hours 5 minutes to complete the journey but with advancements & upgradation in track technology in the last 5 decades, the travel time has reduced by 3 hours. In the near future, speed will be enhanced to 160 kmph and travel time will be reduced further.

On 17th May, 2022 Mumbai-New Delhi Rajdhani Express completed 50 glorious years of it's run.



From Then...



VISTADOME - VIBRANT & PANORAMIC

Vistadome is another unique concept coach. The coach is stylish, upbeat, modern and comes with a see through ceiling. The window glasses are also wider for panoramic view of the skyline & the landscape. Vistadome coach has aesthetically designed interiors. The seats are ergonomically designed which are reclinable & with 180 degree rotating facility. The passengers can enjoy a redefining experience overall.

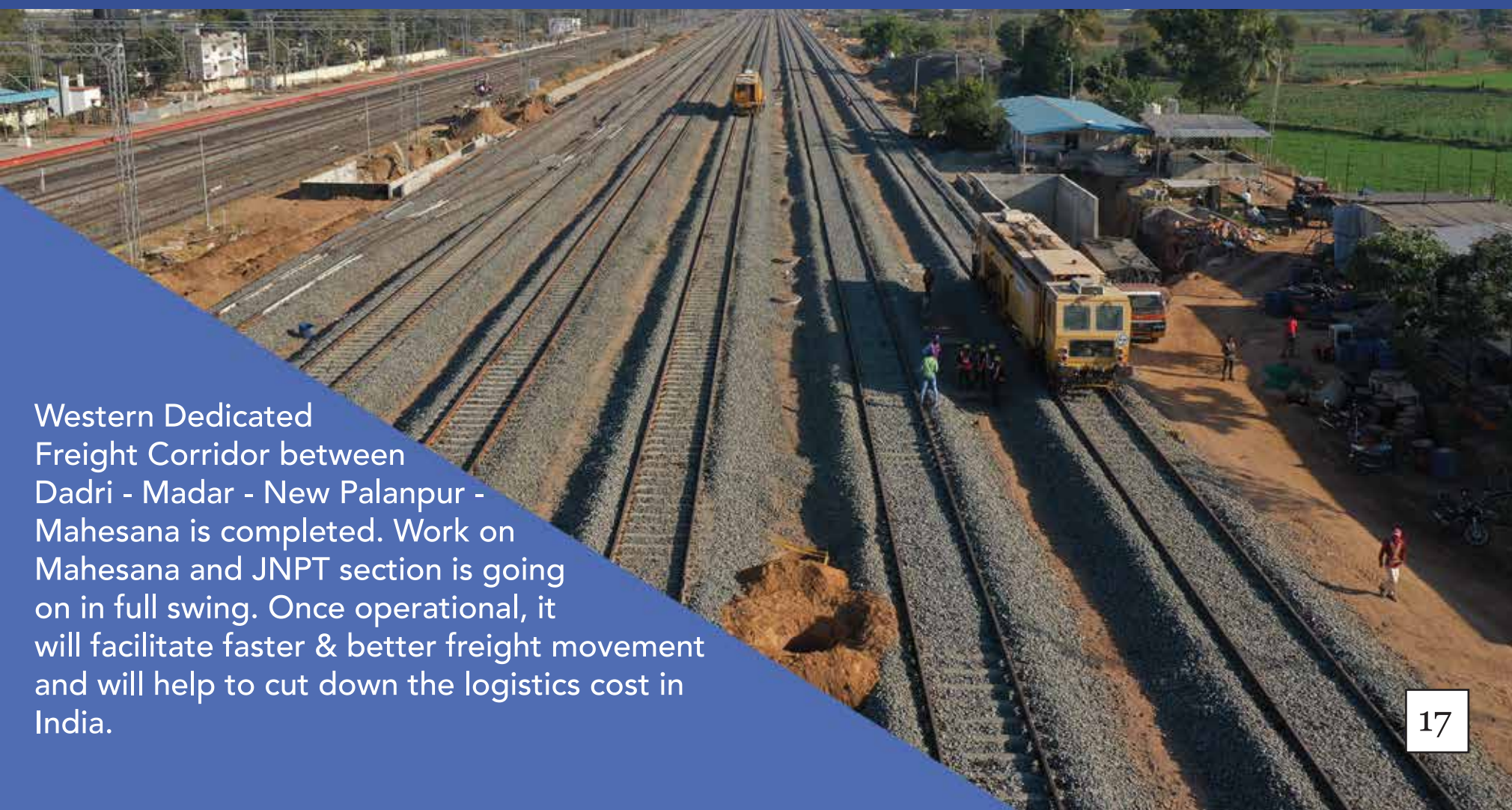
To Now...





CONSTRUCTIVE MOVES FOR BETTER FUTURE

Locomotive Maintenance Depot, Gandhidham provides maintenance facilities to the latest state-of-the-art locomotives, thus increasing the availability of locomotives for train operations.



Western Dedicated Freight Corridor between Dadri - Madar - New Palanpur - Mahesana is completed. Work on Mahesana and JNPT section is going on in full swing. Once operational, it will facilitate faster & better freight movement and will help to cut down the logistics cost in India.

17

From Then...



Continued momentum to infrastructural developmental works, will serve as a strong foundation for a promising future.

To Now...



18

TRANSFORMING RAILWAY STATIONS INTO ARCHITECTURAL MARVEL

New look gives new energies. With this statement, Western Railway is moving ahead towards modernising its railway stations.

Gandhinagar Capital, India's 1st redeveloped & upgraded railway station was opened with airport like experience for the comfort of passengers. The station has an interfaith prayer hall - a first for the country's vast railway network - a column free, sleek and economical space frame spanning 105 meter over the platform with all weather aluminium sheeting. It has gone down the annals of Indian history as the first railway station in India to have a 5 star Hotel built over running live railway tracks.



SEAMLESS CONNECTIVITY TO STATUE OF UNITY

A tribute to the Iron Man of India

Western Railway's **Ekta Nagar railway** station provides direct connectivity to World's Tallest Statue from all corners of the country.

Ekta Nagar railway station building has been registered with Indian Green Building Council (IGBC) for being India's first railway station with a Green Building Certification since inception of it's construction.

A 12 feet tall replica of the 'Statue of Unity' is installed at the circulating area of the station. It is designed by the same sculptor, Shri Ram V. Sutar who designed & created the Statue of Unity.

Approx **6.5 km** from the Statue of Unity.

Viewing Gallery at station from which tourists can have a panoramic view of Statue of Unity.

Thematic Park with Selfie Zone, Landscaped Gardens, Children's Play area & Food Courts & vast parking space.

Amenities such as Executive Lounge, Retiring Rooms, AC Waiting Rooms, Tourist Reception Centre.

Facilities for Divyang & Sr. Citizen passengers - Ramps, Low height ticket counters, Divyang friendly Drinking Water Points & Toilets

Ekta Nagar Railway station is a classic example of futuristic stations.



AHMEDABAD STATION

BEFORE

AFTER

BHAVNAGAR STATION

BEFORE

AFTER

VADODARA STATION

BEFORE

AFTER

RAJKOT STATION

BEFORE

AFTER

CHHAYAPURI STATION

BEFORE

AFTER

GETTING FUTURISTIC READY, MAKING TRAVEL FANTASTIC

Indian Railways has given immense importance to development of railway stations into world class stations with modern amenities so that even a common railway passenger experiences a comfortable, convenient and enjoyable rail travel. Under the Amrit Bharat Station Scheme, 118 stations of Western Railway are being redeveloped.



Surat
Station



Udhna
Station



Somnath
Station



Sabarmati
Station



Ahmedabad
Station



New Bhuj
Station

RETIRING ROOMS TO POD – COMFORT REDEFINED

From the earlier rooms to the modern & swanky POD, Railways have strived hard for passenger's convenience. POD provides economical stay facility with Wi-Fi, small locker, TV, reading lights, adjustable air conditioner, mobile charging, smoke detector and much more.

Western Railway's Mumbai Central station holds the distinction of having the first POD concept Retiring Room not only over Indian Railways but also in India.



FOB's



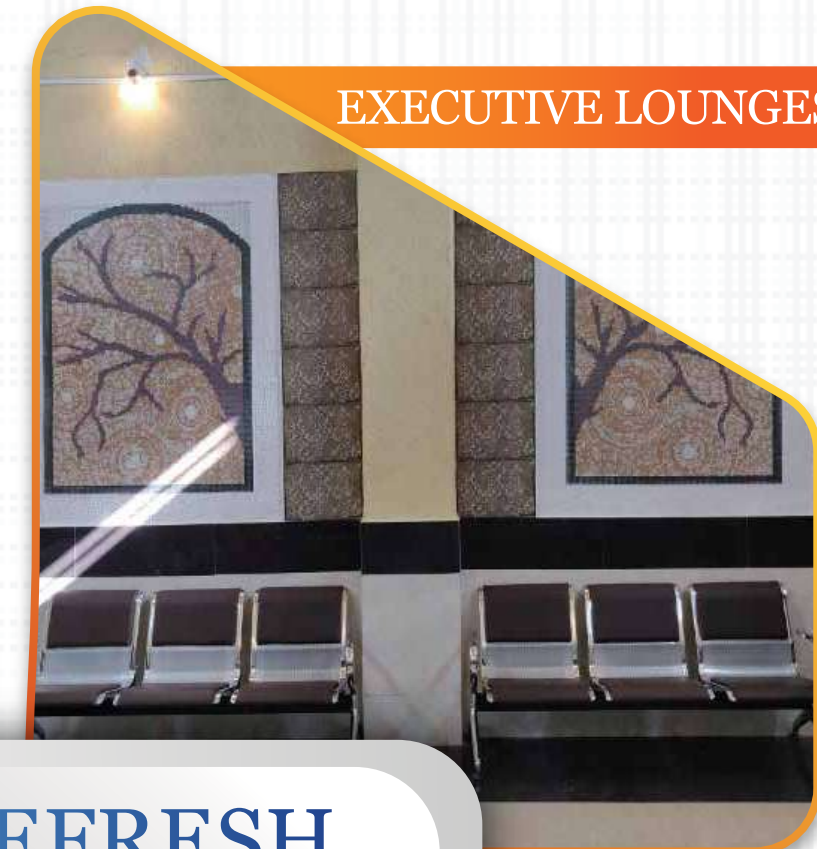
SUBWAYS



WAITING HALLS



EXECUTIVE LOUNGES



STEPS TO SAFETY

RELAX. REFRESH.
REJUVENATE

ESCALATORS



LIFTS



RETIRING ROOMS



FOOD PLAZAS



SPEED @160

Mission Raftar aims to reduce the travel time on busy routes by running passenger trains at a maximum speed of 160 kmph.

1479 km long Delhi - Mumbai section has been taken up under this Mission.

Over Western Railway, Mumbai Central - Nagda (694 km) and Vadodara - Ahmedabad (100 km) sections are part of this project.

The work on this project is progressing at a fast pace.



SIGNALLING BETTER OPTIONS.....

Signalling always plays an important role in safe and efficient running of trains and as tracks multiplied and the number of services increased, signalling system also grew more advanced.

The earlier semaphore signals have got replaced by electronic signals with advantage of display and require less maintenance than mechanical signals.

The era of Mechanical Signalling came to an end on the Broad Gauge section of Western Railway with the commissioning of Electronic Interlocking (EI) at Than station in Rajkot - Surendranagar section.

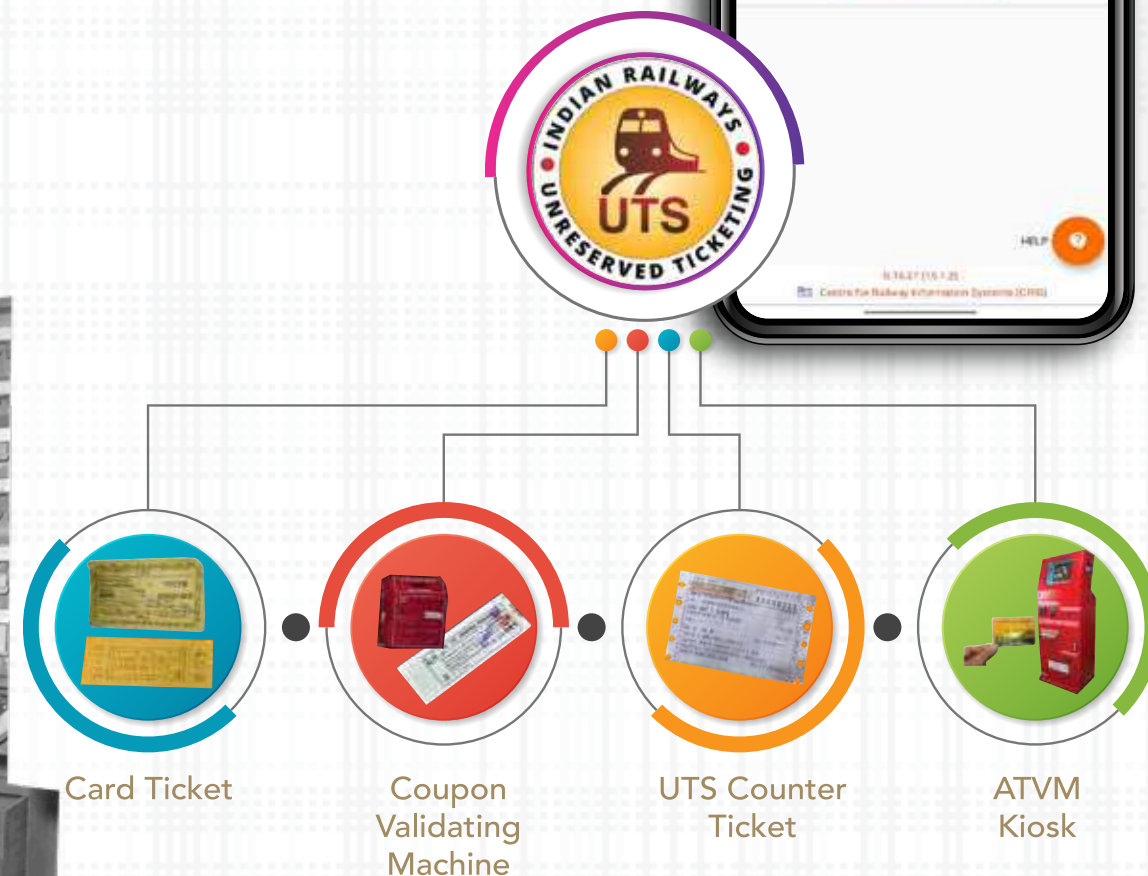


SMARTER, FASTER TICKETING SOLUTION.....

Major changes have taken place in the field of ticketing.

A major boost & impetus to 'Digital India' initiative, UTS on Mobile App is available across non-suburban as well as suburban sections of Western Railway. This mode of ticketing has become a hit amongst the rail passengers with more & more people switching to Mobile App which is reflected in the impressive increase in the ticket sales from the App.

UTS on Mobile App encourages digital ticketing mode, promotes self-ticketing and ensures that passengers can buy tickets without facing the ordeal of queues.



TRANSFORMING RAILWAYS WITH DIGITALIZATION

Western Railway has been on a progressive mode to adapt various digital initiatives under the DIGITAL INDIA campaign for better working.

Unified Command and Control Centre (UCCC) commissioned at Mumbai Central. This state-of-the-art technology with advanced features enables data collection, data monitoring and assist in taking real time decisions, thereby, improving the safety and resource optimization

MTRC – Mobile Train Radio Communication System for suburban trains between Churchgate and Virar over Mumbai's suburban section was started at Mumbai Central. This state-of-the-art technology enables several possibilities of communication between the crew of EMU train with the Control Centre as well as enables broadcast call by Control to passengers and also between all EMU Cabs.

Hand Held Terminals (HHT) Tabs provided to the ticket checking staff. This facilitates paperless working.

RPF launched a QR code based e-patrolling and Beat Management System on pilot basis.

For cyber investigation, Cyber Cell has been set up at Zonal Level for crime detection.

Wi-fi facility provided at all Broad Gauge stations over Western Railway.

AI based Loco Inspection System at Trip Shed, Bandra Terminus introduced.

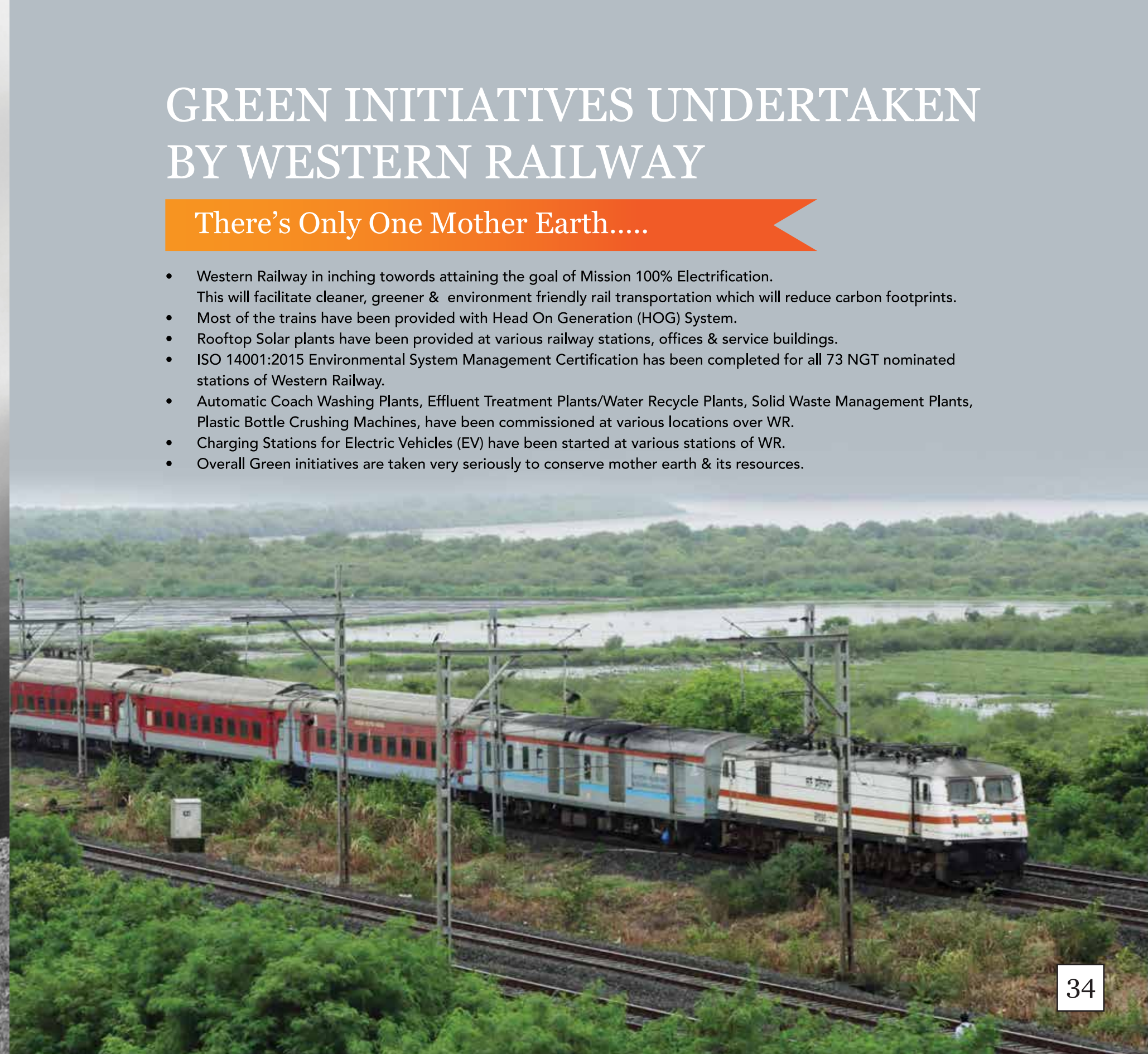




GREEN INITIATIVES UNDERTAKEN BY WESTERN RAILWAY

There's Only One Mother Earth.....

- Western Railway is inching towards attaining the goal of Mission 100% Electrification. This will facilitate cleaner, greener & environment friendly rail transportation which will reduce carbon footprints.
- Most of the trains have been provided with Head On Generation (HOG) System.
- Rooftop Solar plants have been provided at various railway stations, offices & service buildings.
- ISO 14001:2015 Environmental System Management Certification has been completed for all 73 NGT nominated stations of Western Railway.
- Automatic Coach Washing Plants, Effluent Treatment Plants/Water Recycle Plants, Solid Waste Management Plants, Plastic Bottle Crushing Machines, have been commissioned at various locations over WR.
- Charging Stations for Electric Vehicles (EV) have been started at various stations of WR.
- Overall Green initiatives are taken very seriously to conserve mother earth & its resources.



TORCH BEARERS

Master on Station



Checking to perfection



Right on track



Taking you places



Your Safety Warrior



Sweeping to the best



Station Master

Making sure that trains run smoothly day and night, you make sure everything goes well to make everyone travel safe. Praiseworthy are your efforts, thank you.

Ticket Checker

You make sure that Passengers travel in the right manner always. You see to it that they travel with valid and proper tickets. Your job is to ascertain that bonafide passengers always travel conveniently, without any hassles. Keep up the good work.

Track Maintenance Team

Your efforts make run the system smooth. Without your support, it will be quite a difficult task for the system to function.

Loco Pilot

You have the drive and the determination to take passengers safely to their respective destinations. Day or night, you never tire to perform well. You are unstoppable and stop only at desired stations. Salutations to you.

Railway Protection Force (RPF)

Maintaining law and order. Making sure everyone is safe at the Railway Station, is a task you perform - 24x7. You are committed and steadfast in your role. A heartfelt thank you for always being there.

Housekeeping Staff

Making clean & hygienic surrounding has been your forte. With your committed efforts, railway premises & trains are swanky, clean & hygienic. Your job is great & priceless.

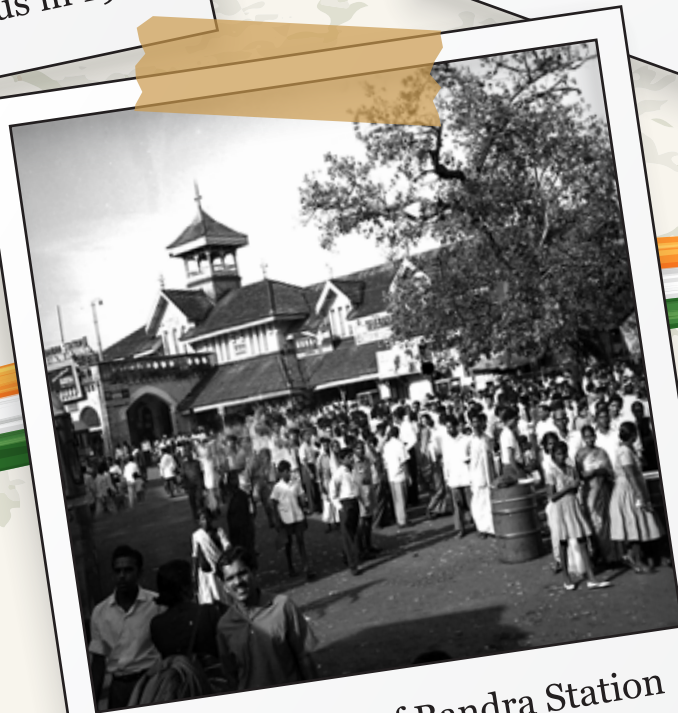
Best
Moments to
Cherish...



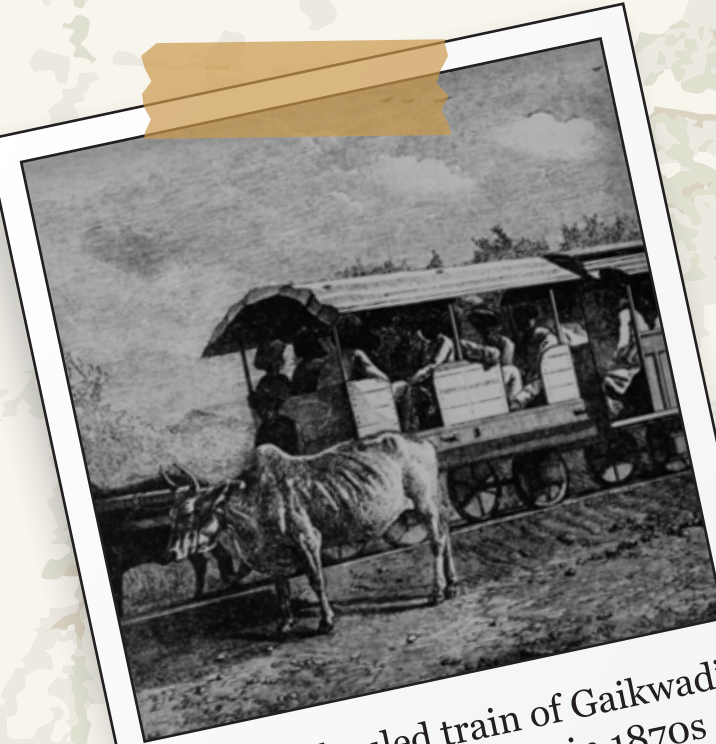
A Bird's eye view of
Bombay Central Terminus in 1930s



Old Colaba Station



Heritage view of Bandra Station



A bullock hauled train of Gaikwad's
Baroda State Railway in 1870s



Passengers Travelling by the second
class coach. It had a seating capacity
of 15 seats with a luggage rack



1934
Gandhiji in train journey from Pune
to Ahmedabad





HEADQUARTERS BUILDING'S STORY

Western Railway Headquarters Building is a graceful, aesthetic and splendid monument with a blend of Venetian, Gothic and Indo-Sarcentic styles of architecture. The renowned architect Frederick William Stevens designed this edifice.

The construction of the building commenced in 1894 and was completed in 1899. Standing at the heart of the city is the administrative office of Western Railway, the erstwhile BB&CI Railway. This building is classified as a Grade I Heritage structure.



Standing Tall & High...



भारत 2023 INDIA



पश्चिम रेलवे
Western Railway

www.wr.indianrailways.gov.in