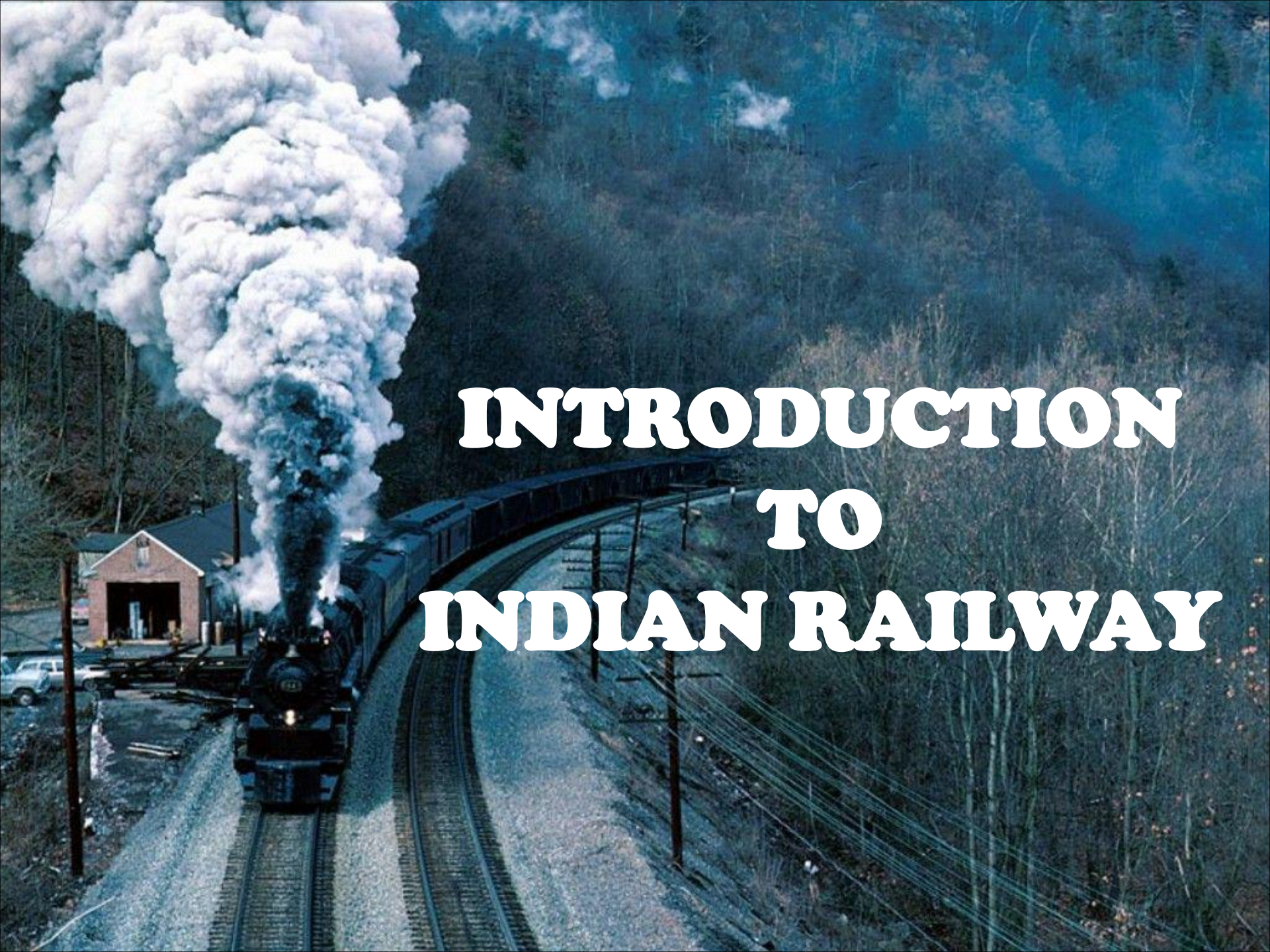

INTRODUCTION
TO
INDIAN RAILWAY



BRIEF HISTORY

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- First railway was built between Mumbai and Thane in 1852 and

- First passenger train ran between the two stations Boribunder and Thane, covering a distance of 34 km, on April 16, 1853.



- About 40 per cent of the railway lines were in the newly created Pakistan. Many lines had to be rerouted through Indian Territory and new lines had to be constructed to connect important cities such as Jammu.

- A total of 42 separate railway systems, including 32 lines owned by the former Indian princely states existed at the time of independence spanning a total of 55,000 km. These were amalgamated into the Indian Railways.

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- In 1952, it was decided to replace the existing rail networks by zones.
- A total of six zones came into being in 1952.
- On 6 September 2003 six further zones were made from existing zones for administration purpose and one more zone added in 2006.
- The Indian Railways now has 17 zonal Railways.

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Sr. No	*Name of Zone*	*Head Quarter*	*No. of Divisions*	*Route Kms.*
1	Central Railway	Mumbai (CSTM)	5	3,905
2	East Central Railway	Hajipur	5	3,656
3	East Coast Railway	Bhubaneswar	3	2,676
4	Eastern Railway	Kolkata	4	2,447
5	Metro Railway	Kolkata	1	25
6	North Central Railway	Allahabad	3	3,151
7	North Eastern Railway	Gorakhpur	3	3,767

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Sr. No.	*Name of Zone*	*Head Quarter*	*No. of Divisions*	*Route Kms.*
8	North East Frontier Railway	Guwahati	5	3,965
9	North Western Railway	Jaipur	4	5,502
10	Northern Railway	New Delhi	5	6,990
11	South Central Railway	Secunderabad	6	5,810
12	South East Central Railway	Bilaspur	3	2,455
13	South Eastern Railway	Kolkata	3	2,661

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Sr. No.	*Name of Zone*	*Head Quarter*	*No. of Divisions*	*Route Kms.*
14	South Western Railway	Hubli	3	3,191
15	Southern Railway	Channai	6	4,994
16	West Central Railway	Jabalpur	3	2,965
17	Western Railway	Mumbai (Churchgate)	6	6,440

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- Locomotives and rolling stock are two main components of the train.

- IR has been procuring goods wagons from the market however coaches and locomotives both Diesel and electrical are manufactured by IR with its production units.

- Later IR has taken over certain wagon manufacturing units also.

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- At present following production units are taking care of needs of IR for locomotives and rolling stock.

Sr. No	*Name of Production Unit*	*Located at*	*Main Production*
1	Chittaranjan Loco Works	Chittaranjan (W.B.)	Electric Loco
2	Diesel Locomotive Works	Varanasi	Diesel Locos
3	Integral Coach Factory	Perambur	Coaches
4	Rail Coach Factory	Kapurthala	Coaches

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Sr. No	*Name of Production Unit*	*Located at*	*Main Production*
5	Rail Wheel Factory	Bangaluru	Wheel & Axles
6	Diesel Loco Modernisation Works	Patiala	Diesel Loco Components
7	Rail Coach Factory	Raibareli	Coaches

- IR has been a government Department carrying out transport needs of country.

- So transportation of passengers and goods has been core activity of IR and to facilitate this core activity and to support other supplementary activities 16.

- PSUs/Undertakings have been formed which are with the Ministry of Railways.

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Different supporting activities of Indian railway.

Sr. No.	*Name of PSU*	*Established in year*	*Main Activity*
1	RITES	1974	Technical & consultancy services
2	IRCON	1976	Construction activities in India & abroad
3	CRIS	1986	Consultancy & IT services to IR
4	IRFC	1986	To raise fund from the market to part finance the plan outlay

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Sr. No.	*Name of PSU*	*Established in year*	*Main Activity*
5	CONCOR	1988	Multimodal logistic support to containerized domestic & Exim cargo.
6	KRCL	1990	Construct and operate Railway lines, Construct ROB & rail line projects
7	RCIL (Railtel)	2000	To built nationwide OFC based broadband telecom & multimedia network

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Sr. No.	*Name of PSU*	*Established in year*	*Main Activity*
8	IRCTC	2001	To undertake catering and tourism activities on IR also facilitate internet ticketing through web.
9	PRCL	2001	To execute SUNR-Pipavav port gauge conversion and new line project
10	RVNL	2003	Cerate and augment capacity of rail infrastructure
11	RLDA	2005	To develop vacant railway land for commercial use

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Sr. No.	*Name of PSU*	*Established in year*	*Main Activity*
12	DFCCIL	2006	Plan & Construct Dedicated freight corridors
13	MRVC	1999	To plan & implement rail projects in Mumbai
14	BWEL	1978/2008*	To manufacture wagons & structural fabrication jobs
15	BSCL	1976/2010*	To manufacture Railway rolling stock
16	BCL	1976/2010*	To manufacture wagons, retrofitting of EOT cranes

*-year of taken over by Ministry of Railways

RDSO

- Research and development is very important part of any organization.
- on Indian Railways Research and development is carried out by Research Design and Standards Organization (RDSO) which is located at Lucknow.
- RDSO is also mandated to test and certify new technologies or innovations in train operation.

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- This centre is one of the directorate of RDSO is engaged in standardizing and preparing maintenance handbooks, pamphlets, reports, videos etc. on various subjects related to Railway Engineering for improving maintenance activities and efficiency.

- HR development is another important aspect of the organization.
- On IR for development of its manpower training institutes are provided all across the country.
- Zonal training centers are located in zones for training of Group C staff.

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For training of officers on IR, six premier training institutes have been established.

SN	*Name of Institute*	*Located at*	*For officers of*
1	National Academy of Indian Railways (NAIR)	Vadodara	All Indian Railway Officers & centralized training of officers of Accounts, Personnel, Stores and Medical services.
2	Indian Railway Institute of Civil Engineering (IRICEN)	Pune	Engineering Officers
3	Indian Railway Institute of Electrical Engineering (IRIEEN)	Nasik	Electrical Officers

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SN	*Name of Institute*	*Located at*	*For officers of*
4	Indian Railway Institute of Mechanical & Electrical Engineering (IRIMEE)	Jamalpur	Mechanical Officers
5	Indian Railway Institute of Signal & Telecommunication (IRISET)	Secunderabad	Signal & Telecommunication officers
6	Indian Railway Institute of Transport Management (IRITM)	Lucknow	For Traffic Officers



SALIENT FEATURES OF INDIAN RAILWAYS

- Indian Railways is the fourth largest Railway network in the world after US, Russia and China.
- It runs about 20,000 trains carrying more than 2.5 crores passengers and 2.8 million tonnes of freight every day.
- In terms of passenger kms IR tops the list, with 1046 billion pkm.
- Indian Railways has become the fourth railway in the world which loads more than a billion tonnes of freight in a year.

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- More than 12000 passenger trains which run across the country every day, cover a distance which is more than 4 times the distance between earth and moon.

- Chhatrapati Shivaji Terminus, Mumbai has been given status of world heritage site by UNESCO in 2004.

- Three Mountain Railways of India i.e. Darjeeling Himalayan Railway a narrow gauge railways in West Bengal, Nilgiri Mountain Railway, a metre gauge railway in the Nilgiri Hills in Tamil Nadu and Kalka- Shimla Railway, a narrow gauge railway in the Shivalik mountains in Himachal Pradesh are already declared UNESCO world heritage sites in 1999.

- Facts and figures are the best indicators to understand any organization. IR has been improving its output every year in both passenger and freight transportation. Following key statistics about IR will help you understand about IR, its assets, its performance and financial status.



हिन्दी अपनाने से देष की सभी भाषाओं की प्रगति होगी।