



# **Role of Technical Supervisors in Railways**

**Indian Railway Technical Supervisors' Association**

# Role of Technical Supervisors Rail Engineers in Railways



**All India Annual Conference & CGB of  
Indian Railways Technical Supervisors' Association**

*held at*

**RAIL COACH FACTORY,  
KAPURTHALA.**

**Presented by**

**K.V.RAMESH, Sr.JGS/IRTSA**



Welcome  
Respected General Manager RCF  
PHODs, HODs, Officers,  
Union Office bearers  
and all other guests  
Welcome members of IRTSA  
Welcome you all

# **Indian Railways not only a means to travel, It is backbone of India's growth, says PM**

## **Focused outcome based approach to achieve**

**1**

**Enhanced Passenger Experience, Provide Faster, Safer, Cleaner & Efficient means of transport**

**2**

**Increase Freight Share by adopting Customer Centric approach & Augmenting Capacity**

**3**

**Technology Driven Modernisation of Systems, Processes and Infrastructure**

**4**

**Enhancing Transparency and Accountability**



# **Humans' innovation**

**All innumerable things we have in our daily life are due to the innovation of human being & is made possible due to the sustained efforts of**

**Farmers**

**Artisans**

**Craftsmen**

**Scientists**

**Doctors**

**Technicians**

**Engineers**





# Strength of Technical Departments in Railways

Engineering	2,84,165
Signal and Telecom	53,766
Mechanical Engineering	2,82,482
Stores	24,611
Electrical	1,58,394
<b>Total</b>	<b>8,03,418</b>

# Strength of Rail Engineers

Desg	Strength	Total
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## Technical Supervisors

SSE	39,500	59,000
JE	19,500	

## Design & Drawing Engineers

SSE	2,500	4,100
JE	1,600	

## Chemical & Metallurgical

CMS	1,030	1,280
CMA	250	

## Stores

CDMS	2,500	4,100
DMS	1,600	

# Asset holding & Utilisation

1) 67,956 Route km

2) Electrified

45,881 Route km

3) 7,325 Stations

4) 1,50,39 Bridges

5) Rolling Stock

13,344 Locomotives

73,776 Coaches

3,30,000 Wagons

Trains operated

21648 trains per day (pre COVID19)

8479 Goods trains

13169 Passenger trains

Traffic moved

1233 Million Tonne (2020-21) freight

844 Crore (2018-19) passengers



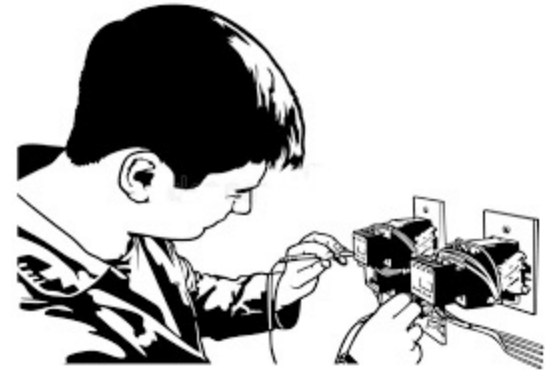
# Technical Supervisors in Indian Railway System

Field managers for

- 1) Manufacture repair and maintenance of Locomotive powers, Rolling Stocks (Coaches, Wagons, EMUs, DMUs, etc.,)
- 2) Installation and maintenance of S&T Systems and equipment, Traction and Traction Distribution,
- 3) Construction & maintenance of all Buildings, Railway Tracks and Bridges, etc.,

# Technical Supervisors

**Manages large work force**



- 1) Around 7 lakh Senior Technicians, Technicians Grade-I, II & III and helpers.**
- 2) Other categories Stores Clerk, Office Clerk, Office Superintendents and Chief Office Superintendents, etc.,**
- 3) Also need to supervise work of around 4 lakh employees employed by Railway Contactors.**



# **Importance of Technical Supervisors in Railways**

- 1) Principle custodians of Railway properties**
- 2) Higher professional qualification,**
- 3) Longer training period,**
- 4) Greater responsibilities,**
- 5) Strenuous working conditions,**
- 6) Accountability towards public safety and efficiency of the Railways.**

# **Main duties & responsibilities of Technical Supervisors**

- 1) Creation of assets and their maintenance in Indian Railways**
- 2) Responsibility of fitness for operational safety and safe working of all the assets.**
- 3) Responsibility of achieving Production targets and Train schedules.**
- 4) Inventory control, material management & their safe custody.**
- 5) Ensures Optimum utilisation of Recourses.**

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**6) Disaster management.**

**7) Human Resources Management, training of staff & maintenance of staff discipline.**

**8) Continuous upgradation of Technology & knowledge: - Technical Supervisors being the first level of management, control the field and have to update their knowledge and skills and to acquire new ones to adapt to new technology and to guide / train the staff working under their control.**

# Why SSE & JE need to be upgraded in Pay Level & Status

- 1) Historically held higher Pay Scales than other categories.
- 2) After 6<sup>th</sup> CPC, in 2010, Railways accepted the demand of higher GP for JE & SSE and proposed to finance ministry to upgrade JE to GP 4600 & SSE to GP 4800.
- 3) Railways failed to properly highlight it's own decision taken in 2010 to 7<sup>th</sup> CPC.
- 4) CAT Chennai agreed & asked Finance Ministry to consider above Railway's decision.
- 5) 7<sup>th</sup> CPC recommended to increase number of posts in next higher level (Rs.4800 GP) to avoid stagnation at SSE.

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6) Horizontal parity and vertical relativity with other cadres who were in the lower pay scales got disturbed.

7) 7<sup>th</sup> & 6<sup>th</sup> CPCs recommendations of “on promotion employees should progressively move to next higher Pay Level / GP” is violated, when promotion happens from Sr.Tech to JE.

8) Supreme Court’s decision on “Supervisors should be in higher pay scale than those who are being supervised” violated.

9) On various occasion Railway Board recommended for upgradation of this category.

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10) Expert committees on Railways recommended for upgradation this category for safe & punctual train operation.

11) Higher recruitment qualification of degree in Engineering and highly intensive training for one year.

12) Nearly 50% of SSE's got stagnated for more than 10 years.

13) Expert Committee (IIM Ahmedbad) misguided 7<sup>th</sup> CPC on career progression of Engineering Graduates recruited through RRB, based on wrong facts.

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14) Element of Special Pay given to then Foremen (SSE) was ignored by subsequent pay commissions while arriving new pay scales.

15) Chairman NC-JCM (Cabinet Secretary) on the agenda grant of & Higher Pay Level & Gazetted status to SSEs of Ministry of Railways advised Chairman Railway Board and DoE to resolve the issue expeditiously.

16) Pay Level-8 & Pay Level-9 may be introduced in the category of Technical Supervisors / Rail Engineers.



**Design & Drawing Engineers**

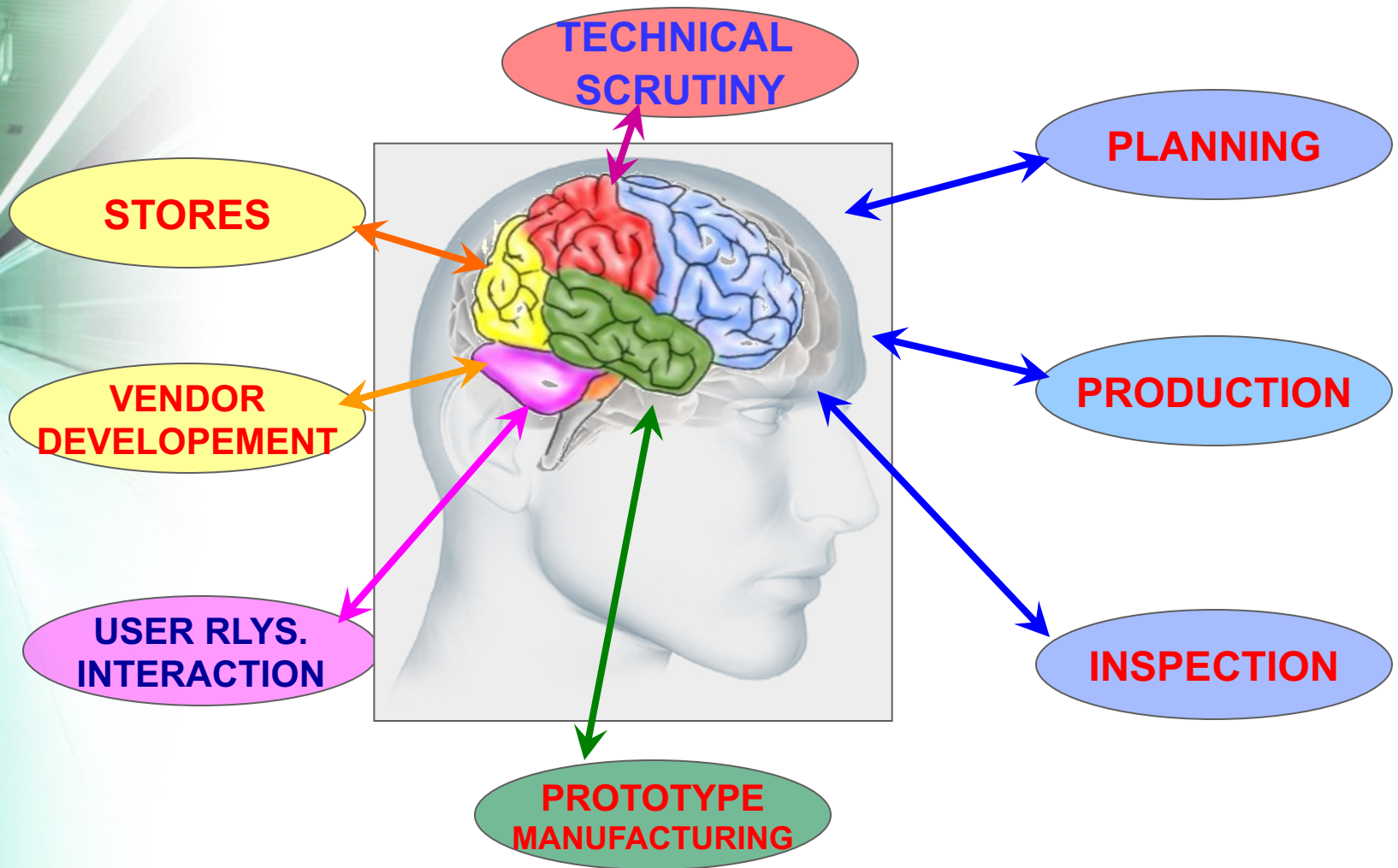
**Chemical & metallurgical Engineers**

**Stores Engineers &**

**IT Engineers**

# THE ROLE OF DESIGN ENGINEERS ARE INVISIBLE

**But it goes without saying it is from this brain the system begins to exist**





# **Design & Drawing Engineers**

- 1) Pay scales are always equal to Technical Supervisors.**
- 2) Recruitment qualifications and training same as Technical Supervisors.**
- 3) Similar duties & responsibilities of Technical Supervisors.**
- 4) Gains importance for indigenous design of rolling stock to meet the requirements of Make in India policy.**
- 5) Higher recruitment qualification of degree in Engineering and highly intensive training for one year.**
- 6) Stagnation similar to Technical Supervisors.**



# Chemical & metallurgical

- 1) Testing and certifying of raw materials & vital safety items.
- 2) Formulate and carryout both destructive & non-destructive testing to critical components.
- 3) Conduct metallurgical surveillance.
- 4) Suggest remedial methods/process to avoid further failure of components.
- 5) Assess the quality of welder.
- 6) Check the quality of paints.
- 7) Assess the quality of fuel and lubricants.
- 8) Measuring, monitoring and improving the environment around work premises to comply with the standards.

# **Chemical & metallurgical CMS & CMA**

- 1) 7<sup>th</sup> CPC recommended for Pay Level-7 for CMA & Pay Level-8 for CMS in Para 11.40.124.**
- 2) Similar entry qualification to SSE, Engineering Graduate.**
- 3) Ensure effective quality control and safety on Railways.**
- 4) Comply with the standards of Environment Management system.**
- 5) Stagnation similar to Technical Supervisors.**

# Stores - CDMS & DMS

## Main functions

- 1) Material Planning
- 2) Procurement of Stores
- 3) Receipt & Inspection of Stores
- 4) Store Keeping
- 5) Distribution of Stores
- 6) Collection, accountal and disposal of scrap
- 7) Inventory Control
- 8) Cost Reduction

# Stores - CDMS & DMS

- 1) Directly connected with train operations and thus contribute for productivity and earnings.
- 2) Activities are having interface with customers which reflect the image of Indian Railways.
- 3) Have to manage thousands of indenters spread over a large geographical area.
- 4) Similar entry qualification to SSE, Engineering Graduate.
- 5) Stagnation similar to Technical Supervisors.

# **IT Engineers – JE (IT) & SE (IT)**

**In the era of information technology and Railways using more and more information technology in all areas, role of IT Engineers gains much more significance. When accounts supervisors were already upgraded, IT Engineers are deserved to be placed on par with them.**



# Working condition

























**Special Thanks to**

**Er. M.Shanmugam, Central President, IRTSA**

**Er. Harchandan Singh, General Secretary, IRTSA**

**Er.Darshan Lal & team IRTSA RCF**



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