

**NORTHERN RAILWAY
(DELHI DIVISION)**

No. 758-E/350/Pt.-XI/DSL/P-11

Dt. 04.08.2025

NOTIFICATION NO. 24 /2025/(Name of the division/unit)

SELECTION FOR PROMOTION TO THE POST OF Junior Engineer/DSL/Mech., IN PAY LEVEL- 6 AGAINST 25 % PROMOTE QUOTA IN DIESEL MECHANICAL DEPARTMENT OF DELHI DIVISION.

1. It has been decided to hold a selection for filling up 12 vacancies for the post of Junior Engineer/DSL/Mech., Pay Level - 6 against 25 % Promote Quota in DSL/Mechanical Department of Delhi Division. Bifurcation of vacancies is as under:

UR	SC	ST	Total	PwBD (in terms of Railway Board's letter no. E(NG)II/2017/RC-2/1 Policy dt. 27.02.2019)
10	02	-	12	_____

2. Eligibility and Service conditions:

(i) The list of senior most eligible staff working as Sr. Tech./DSL/Mech., of DSL/Mechanical Department of DLI division in Pay Level - 6 and who are in the zone of consideration in 1:3 ratio based on their seniority, is enclosed as **Annexure-I**.

(ii) A stand-by list of next senior employees is also enclosed as **Annexure-II**. Employees of this stand-by list will be included in the main list enabling them to appear for the written examination only in case of an employee/employees in the main list (**Annexure-I**) has/have expressed its unconditional unwillingness to appear for the selection on Proforma attached (**Annexure-III**) and forwarded to this office on or before 14.08.2025 along with objection of any employee against the seniority, if any.

3. **Syllabus:** A syllabus for the above selection is attached as **Annexure-IV**. This is a common syllabus for the post as approved by the concerned PHOD and is applicable for all Divisions/Units over Northern Railway.

4. Pre Selection Coaching

In terms of instructions contained in Railway Board's letter No. 88-E(SCT)I/42/2, dated 08.04.1991 pre-selection/pre-promotional training to SC/ST employees is to be conducted covering the syllabus of the examination for selection to safety category post and will be imparted for a period of 3 to 4 weeks. In case, if any employee expressed his/her un-willingness for pre-selection coaching a written declaration to that effect may be obtained and forwarded to this office for record. Pre-selection coaching is not necessary where there is no reserved vacancy (SC/ST) is available. Schedule of tentative dates:-

Tentative pre-selection coaching classes	To be concluded by 09.09.2025
--	-------------------------------

5. Procedure for written examination:

(i) The written examination will be conducted by Railway Recruitment Cell (RRC), Northern Railway through an Examination Conducting Agency to be provided by Railway Recruitment Board (RRB).

(ii) The written examination will be a Computer Based Test (CBT)/ Tablet Based Test (TBT) where there will be no physical question paper. All the questions will appear on the computer/ tablet and the employee will have to mark their responses/ answers to the questions on computer/tablet.

(iii) RRC/NR will be issuing a formal admit card **online (through the website <https://rrcnr.org>)** to each and every eligible and willing employee for appearing in the CBT/TBT. Examination Venue and time of reporting for the written examination will be there in the admit card. **As no physical communication will be made after issue of this vacancy notice, it will be the responsibility of the concerned employees to regularly visit RRC/NR's website as well as this Division's website for an update and to download the admit card as and when made available by RRC.** Further, no supplementary/absentee examination shall be conducted on this ground.

5
04/08/25

(iv) A link will also be made available on the above website (<https://rrcnr.org>) to the employees, explaining as to how the question will be appearing and how to mark the responses/ answers in the actual examination. Employees can practice through that link any number of times.

(v) Both physical and biometric attendance will be marked at the examination venue.

(vi) 100% questions will be objective type multiple choice questions.

(vii) There will not be any negative marking.

(viii) There shall be questions in Official Language Policy and Rules upto 10% of marks. However, it is not mandatory to attend the same.

(ix) There will be 110 questions of objective multiple choice type with four answer options and the candidate has to answer a maximum of 100 questions. In case the candidate answers more than 100 questions, first 100 attempted questions are to be taken for evaluation.

(x) **The written examination will be of 02 (two) hours duration.**

(xi) There will be computerized evaluation.

6. Notifying to the employees:

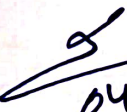
6.1. The willing employees should submit their application (Hard copy) in the prescribed proforma enclosed (Annexure 1) duly filled in all respects on or before 14.08.2025 at Single Window Cell/Samadhaan portal of Delhi Division.

6.2. Applications (Hard copy) received in this office after the target date will be summarily rejected. The notification should be given wide publicity and employees who are on leave/sick leave should be notified of the selection.

6.3 The Senior Subordinate/ Supervisor concerned has to furnish a certificate that "the eligible employees have been duly notified of the holding of the written examination and asked to submit their applications duly giving their willingness. They have also been informed about availability of any further information on RRC/NR's website (<https://rrcnr.org>) regarding availability of admit card and link for demo test." Such certificates should be forwarded to Personnel Branch addressed to Sr. DPO/DLI. It will be the personal responsibility of the Senior Subordinate/ Supervisor to complete the formality in this respect. It is further advised that any other communication received in respect to the selection should invariably be intimated to all the eligible employees. In case of non-receipt of any communication the same may be obtained from the Personnel Department or from the Controlling Officer. **Any laxity in this regard will be viewed seriously as it will adversely impact the above selection which is being conducted simultaneously for all Divisions/Units over Northern Railway.** The unwillingness, if any, received from the employees is to be forwarded to Personnel branch addressed to Sr. DPO/DLI on or before 14.08.2025.

7. Supplementary Written Test:

A supplementary written examination will be held for those employees who have remained absent themselves in the main examination due the following circumstances with the approval of the competent authority. The candidates unable to attend the written examination due to administrative ground duly informed by the officer in charge/supervisors by written within stipulated period. Sickness of the candidates or other reasons on which the employee has no control. Unavoidable absence will not be included to attend wedding or similar ceremony or absence on which he/she has no control. Sickness should be covered by a bonafide certificate issued from Railway Medical Authority.


04/08/25

8. Tentative schedule for holding the selection:

Activity number	Details of activity	Tentative date (mention specific date wherever confirmed)
PART-A		
1	Issue of notification along with main and stand-by eligibility list	04.08.2025
2	Submission of certificate by concerned department along with list of unwilling employees	14.08.2025
3	Conducting pre-examination training	09.09.2025
PART-B		
4	Online issue of admit card & providing link for practice	E (the day when the admit card will be issued)
5	Conduct of written examination	E+3
6	Uploading of model answer key and activating objection tracker	E+4
7	Objection tracker will be available upto	E+11
8	Uploading of final answer key	E+14
9	Availability of result of written examination from RRC/NR to the indenting units	E+16
10	Finalizing proceedings of Selection Board/ Committee at Divisional/Unit level	E+19
11	Issue of panel	E+20

Websites to be visited regularly for any update:

RRC/NR's website: <https://rrcnr.org>

DLI Division website:- <http://nr.indianrailways.gov.in>→Division→Delhi→Personnel

DA: as above


(Rajni Kadyan)

Assistant Personnel Officer/Welfare,
for Divisional Railway Manager/P,
Delhi Division.

Circulation:

As per standard list

1. All CS&WLIs/Delhi Division: To handover a copy of this Notification to the employees appearing in Annexure-I & II under written acknowledgement
2. Ch. OS/OS, Confidential Cell, Delhi Division
3. Divisional Secretary/ NRMU, URMU, SCSTREA & OBCREA
4. Control Office, Delhi Division
5. RRC/NR's website (<https://rrcnr.org>)
6. Sr. PRO/ Delhi Division:- For uploading on website:-
<http://nr.indianrailways.gov.in>→Division→Delhi→Personnel

List of staff eligible for selection to the post of JE/DSL/Mech. in Level-6 against 25% PQ DSL Mechanical Dept from Sr. Tech(MCM)/DSL-Mech., Level-6
(Annexure-I)

S.No	PF NO	HRMS ID	Name Shri	F/Name Shri	SC/ ST	Stn.	D.O.B	Remarks
1	50302986905	ZLMLYX	Randhir Singh	Hari Chand	UR	SSB	13-03-1966	
2	50302988343	UQDOXE	Dalip Singh	Thakur Singh	UR	TKD	12-01-1966	
3	50302987879	HWGSSGU	Yatendra Kumar Singh	Megh Singh	UR	TKD	15-09-1965	Retiring on 30.09.25
4	50302988586	NWGHHE	Raj Kishore	Man Singh	UR	TKD	01-10-1965	Retiring on 30.09.25
5	50302989062	SYMIDG	Kamaljit Singh Bhatia	Mehar Singh Bhatia	UR	TKD	31-12-1965	
6	50302980587	KRXRXW	Jasvir Singh	Thana Singh	UR	SSB	02-05-1967	
7	50313600886	ZKSPZG	Mohan Singh	Purshottam Dass	UR	TKD	23-01-1966	
8	50302995736	GNSXSZ	Ashok Kumar Purohit	R.P. Purohit	UR	TKD	25-11-1965	
9	50302996005	CIPXNW	Mukesh	Panna Lal	UR	TKD	12-09-1967	
10	50302998129	OLGPTQ	Manoj Kumar	Hukum Chand	SC	TKD	12-07-1971	
11	50302996182	PMYGPQ	Rajesh Kumar	Ramesh Chander	SC	SSB	28-11-1969	
12	50302995852	OXFIRC	Shibu K.P.	K.S. Parmeshwarm	UR	SSB	30-05-1969	
13	50302996110	LUIIHC	Rakesh Kumar	Pala Ram	UR	SSB	16-04-1968	
14	50302996194	DOKZTX	Raman Kumar	Ragupati sharma	UR	TKD	13-10-1969	
15	50302996236	TZNCRU	Sunder Kumar	Jhamman singh	SC	TKD	01-01-1967	
16	50302996376	JBKZE	Satanand Vishwakarma	Ramgati Vishwakarma	UR	TKD	15-07-1969	
17	50302996443	QOOADI	Shyam Lal Saroi	Mahadev Saroi	SC	TKD	20-08-1968	
18	50313602020	RKNOHG	Rajvir Singh	Ved Prakash	UR	SSB	04-04-1976	
19	50312416368	FLMOJT	Madan Lal	Tara Chand	UR	UMB	20-01-1966	
20	50312424407	DZUUMG	Raj Kumar	Ram Swaroup	SC	UMB	13-11-1967	
21	50313600461	EYXBW	Prem Prakash	Nem Singh	UR	TKD	08-09-1965	Retiring on 30.09.25
22	50313600680	YPWSNK	Bhanu Pratap	Mohan Lal	SC	TKD	07-08-1965	Retiring on 31.08.25
23	50313602792	XULKNU	Santosh	Swami Nath	UR	TKD	01-06-1980	
24	50313602810	QSGWDQ	Bharat Bhushan Joshi	K.N.Joshi	UR	TKD	13-04-1974	
25	50302991408	JQOJSY	Rajbir Singh	Kanwer Singh	UR	SSB	04-04-1967	
26	50302998130	SLHXQO	Laxman Singh Rawat	Inder Singh	UR	TKD	05-07-1967	
27	50302993650	JLBQOB	Puran Chand Shukla	Sagii Ram Sukla	UR	TKD	25-03-1967	
28	50302998506	YJGBMO	Yoginder Dutt Sharma	Hira Mani	UR	TKD	26-06-1971	
29	50313602834	SDSDXR	Vijay Kumar	Bishan Lal	SC	TKD	28-08-1972	
30	50313602846	JLIFRC	Satyan Kumar	Gokul Dev	UR	TKD	29-04-1973	
31	50309628370	EJKWLD	Prem Pal Dinkar	Lala Ram	SC	TKD	21-11-1970	
32	50313602780	BLZURT	Vinod Kumar	Kashmir Singh	UR	SSB	26-07-1982	
33	50313602895	RJUFNP	Sunil Kumar	Omparkash	UR	SSB	23-06-1980	
34	50313601726	RTUXHE	Subodh Kumar	Ram Dhan	UR	SSB	10-04-1978	
35	50313602871	LECTQS	Dinesh Kumar	Munna Lal	SC	SSB	05-10-1979	
36	50313603164	CEUFJG	Satish Kumar	Girwar Singh	SC	TKD	10-08-1970	
37	50313603152	FLLUMD	Deepak Kumar	Ram Kishan	SC	SSB	03-02-1983	
38	50313603954	SGCHBI	Surjit Kumar	Prem Lal	SC	TKD	24-01-1971	
39	50313610235	AZJAP	Suraj Bhan	Mani Ram	SC	SSB	27-12-1977	
40	50313603012	KQTIQY	Virender Singh	Mohinder Singh	SC	TKD	22-11-1973	

APD used for.

Standby List (Annexure II)

S.No	PF NO	HRMS ID	Name Shri	F/Name Shri	SC/ST	Stn.	D.O.B	Remarks
1	50313601910	SDFTST	Neeraj Bahl	Saroj Bahl	UR	SSB	24-01-1971	
2	50313603115	OPADGZ	Rajesh Kumar	Kalyan Chaud	UR	SSB	10-05-1973	
3	50313603139	DWTTOT	Gujler Singh	Bhanwer Singh	UR	SSB	10-10-1973	
4	50313603000	EHYOSS	Vijay Kumar Arora	Vinod Kumar Arora	UR	TKD	12-10-1979	
5	50313603073	GHTWMAN	Brijesh Bahadur Singh	Tej Bahdur Singh	UR	SSB	10-08-1977	
6	50312419734	EYKEWF	Ashok Kumar	Khanda Ram	UR	UMB	12-04-1981	
7	50313603176	SBBNMWZ	Naveen Kr Chopra	Sat Pal Chopra	UR	SSB	27-09-1978	
8	50313603190	WCOJOG	Ashwani Malik	Karan Singh	UR	SSB	14-05-1983	
9	50313602962	NSMBCQ	Madhu Sudan Lama	Man Singh Lama	UR	TKD	20-10-1981	
10	50302998324	ZWNFAD	Mohan Krishan	Baldev Kumar	UR	SSB/HQ	24-02-1967	
11	50313610193	CHFMRY	Rajeev Kumar	Radhey Lal	SC	SSB	01-05-1978	
12	50313610211	TLGMWJ	Suresh Kumar	Mahabeer Singh	SC	TKD	15-08-1978	
13	50313610340	BBKJRB	Manoj Kumar	Hari Ram	SC	SSB	28-07-1980	
14	50313610430	GONEOY	Arun Kumar	Suresh	SC	SSB	15-06-1981	

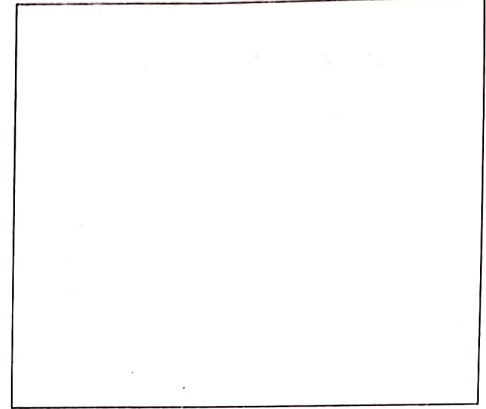
5
04/08/25
Approved here

APPLICATION FOR THE POST OF Junior Engineer/DSL/Mech., IN PAY MATRIX LEVEL-

6 OF 7TH CPC PAY MATRIX GP4200./- OF 6TH CPC AGAINST 25% PQ IN DELHI

DIVISION

1. Name :
2. Father's Name:
3. PF No.:
4. HRMS ID :
5. Mobile No:
6. Email Id:
7. Designation :
8. Office :
9. Community (tick appropriate)



UR SC ST PWD

(If SC/ST copy of attested community certificate should be attached)

10. Date of Birth :
11. Date of Appointment :
12. Date of Regular Appointment :
13. Date of entry in present Grade/Post :
14. Capacity of Appointment :
15. Present Pay in Pay matrix :
16. Date of Total regular service in
the Grade as per Eligibility Criteria :
17. Transfer Particulars if any from
other Department or from other
Division, if any :
18. Education Qualification :

(Copy of attested certificates should be attached)

Declaration

I hereby declare that all the particulars given in this application are true and correct to the best of my knowledge and belief. I am eligible for the selection as per eligibility criteria stipulated in the notification. I understand that in the event of particulars or information given herein being found false or incorrect at later stage. I am liable to be taken up under D&AR for major penalty apart from my application being rejected.

Date

Signature

Name

Place

Designation

Certified and forwarded to

Date

Signature of supervisory official

Name

Place

Designation

Northern Railway

No. 561-E/7th CPC/11.V/2025/P-14

Date: 07-2025

DRM Office,
New DelhiCategory J/Delhi Division
All Branch Officer/Delhi Division
Sr Subordinate Incharges
Delhi Division.

(NR PS NO.....16017...../2025.....)

Sub:- Syllabus of written examination for the post of Junior
Engineer / DSL / Mech

Ref:- General Manager/P, N. Rly., Hd. Qtr Office, Baroda House, New Delhi, letter Number

751-E/Mech Pdtg / ELC dated 16/07/2025

In reference to above subject, the syllabus for selection for the post of Junior Engineer/DSL/Mech in Level-06 is enclosed herewith for your information and necessary action please.

Please acknowledge the receipts.

DA/as above

Abhijit Singh

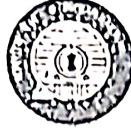
(.....)

for Divisional Railway Manager/P

New Delhi

Copy for information & necessary action to:-

1. PA to DRM/Delhi
2. PA to all ADRMs
3. PA to Sr DPO/C, Sr DPO/II, Sr. DPO/III and all Personnel Officers & All Chief Office Supdt's/Personnel Delhi Division.
4. Divisional Secy/NRMU Delhi Division.
5. Divisional Secy/NRMU Delhi Division
6. Divisional Secy/SC-ST Association Delhi Division.
7. Divisional Secy/OBC Association Delhi Division.



NORTHERN RAILWAY
(Personnel Department)

P.S. No. 16017/2025

Headquarters Office,
Baroda House,
New Delhi.

NO. 752-E/Mech Policy/EIIC

DATE: 16/07/2025

Divisional Railway Manager/NR: DLI, FZR, MB, UMB, LKO & JAT
Chief Workshop Manager/NR: AMV-LKO, CB-LKO, JUDW, ASR & RCNK-SNP,
CWM/Signal Shop, GZB.
CAO/C: K. Gate DLI & Satyam Complex, Trikuta Ngr/JAT.
MD/NRCH.
Chief Manager (Ptg. & Sty) Punjabi Bagh, Delhi
Dy.CMM: SSB, AMV-LKO & JUDW.
DY.CE/TMC/Line, State Entry Road, New Delhi.
Dy.CE/Bridge, CB-LKO, JUC & TKJ.

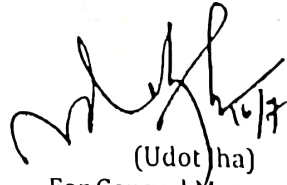
Sub: Syllabus of written examination for the post of Junior Engineer/Dsl/Mech.
Ref: (i) PCPO/NR's letter no. PCPO/Sel./2025 dated 15/05/2025.
(ii) Dy.CME/HQ's letter no. Confdl.Mech/Group C Selection/266 dated 14/07/2025.

In reference to above subject, the syllabus of written examination for the post of Junior Engineer/Dsl/Mech in Level-06, is enclosed herewith for your information and necessary action please.

The above PS.No. is available on the website given as under:-<https://nr.indianrailways.gov.in>

Please acknowledge the receipt

DA: As Above


(Udot) ha)
For General Manager (P)

Copy to:

1. All PHODs and All Officers of Personnel Deptt., HQ Office, Baroda House, New Delhi.
2. Genl. Secy./NRMU, 12 Chelmsford Road, New Delhi.
3. Genl. Secy./URMU, 166/2, P.K.Road, New Delhi.
4. Genl. Secy./AIOBC Rly Emp. Asso. 171/A3, Basant Lane, New Delhi.
5. Genl. Secy./All India SC/ST Rly Emp. Asso. North Zone Office, Baroda House, New Delhi.
6. Genl. Secy./NRPOA Room No.301, HQ Office, Baroda House, New Delhi.
7. Dy.CPO/IT, HQs Office, Baroda House, NDLS for uploading on the website.
8. Dy.CPO/R&P, HQs Office, Baroda House, NDLS being policy matter.



**Syllabus for TQ/PQ examination for selection to the post of
Junior Engineer DSL/MECH**

Part 1: General Knowledge

- 1.1 Important National & International Events, Authors, Places & Personalities etc.
- 1.2 Sports
- 1.3 "Who's Who"
- 1.4 Facts about Indian Railways & its Organization, Important events in Indian Railways
- 1.5 Current Affairs

Part-2: English

- 2.1 Antonyms and Synonyms
- 2.2 Idioms & Phrases
- 2.3 Tenses, Modals, Determiners, Prepositions
- 2.4 Active and Passive Voice
- 2.5 Direct and Indirect Speech
- 2.6 Unseen Passages

Part-3: Mathematics

3.1 Algebra

- 3.1.1 Real Numbers
- 3.1.2 Polynomials
- 3.1.3 Pair of Linear Equations in Two Variables
- 3.1.4 Quadratic Equations

3.2 Arithmetic

- 3.2.1 Problems based on age, time, work, money, Profit and Loss, and Interest

3.3 Geometry

- 3.3.1 Lines
- 3.3.2 Triangles: Pythagoras' Theorem, Midpoint Theorem, Area, Congruence of Triangles, Angle Sum Property, Exterior Angle Property; Similar Figures, Similarity of Triangles
- 3.3.3 Properties and area of Parallelogram
- 3.3.4 Circles: Area and Perimeter of Circle, Angle Subtended by a Chord at a point, Perpendicular from the Centre to a Chord, Equal Chords and their distances from the Centre, Angle subtended by an Arc of a Circle, Cyclic Quadrilaterals, Tangent to a Circle, number of Tangents from a point on a Circle, Area of Sector and Segment of a Circle
- 3.3.5 Surface Areas and Volumes of cuboid, cone, cylinder, and sphere; and Combination of Solids

3.4 Coordinate Geometry

- 3.4.1 Basics of the Cartesian system
- 3.4.2 Distance Formula

- 3.5 Introduction to Trigonometry
 - 3.5.1 Trigonometric Ratios
 - 3.5.2 Trigonometric Ratios of Specific Angles
 - 3.5.3 Trigonometric Identities
 - 3.5.4 Applications of Trigonometry: Heights and Distances
- 3.6 Statistics
 - 3.6.1 Mean, Mode, Median of Grouped Data
 - 3.6.1 Mean Deviation & Standard Deviation

Part-4: General Science

- 4.1 Matter in Our Surroundings: Physical Nature of Matter, Characteristics of Particles of Matter, States of Matter, Mixture, Solution, Concentration of a Solution, Compound
- 4.2 Atoms, Molecules and Chemical Reactions, Structure of the Atom, Valency, Atomic Number, Mass Number, Isotopes, Isobars, Laws of Chemical Combination, Chemical Equations, Types of Chemical Reactions, Oxidation and Reduction, Acids, Bases and Salts, Name of salts and compounds, Types of Oxides, Properties and Laboratory Preparation of Oxygen, Hydrogen, and Nitrogen
- 4.3 Metals and Non-metals (Physical Properties, Chemical Properties), Ores of Metals, Corrosion and its prevention
- 4.4 Carbon and Its Compounds: Bonding in Carbon, Versatile Nature of Carbon, Chemical Properties of Carbon Compounds, Important Carbon Compounds – Ethanol and Ethanoic Acid, Soaps and Detergents
- 4.5 Force and Laws of Motion: Motion Along a Straight Line, Uniform Motion and Non-Uniform Motion, Speed with Direction, Acceleration, Equations of Motion, Uniform Circular Motion, Balanced and Unbalanced Forces, Laws of Motion, Inertia and Mass
- 4.6 Gravitation: Universal Law of Gravitation, Free Fall, Mass & Weight, Thrust and Pressure, Buoyancy, Archimedes' Principle
- 4.7 Work and Energy: Scientific Conception of Work, Forms of Energy, Potential Energy, Potential Energy of an Object at a Height, Law of Conservation of Energy, Power, Method of Heat Transfer
- 4.8 Sound: Propagation of Sound, Characteristics of a Sound Wave, Reflection of Sound, Echo, Reverberation, Range of Hearing, Applications of Ultrasound
- 4.9 Light: Reflection and Refraction, Spherical Mirrors, Sign Convention for Reflection by Spherical Mirrors, Refractive Index, Refraction through a Rectangular Glass Slab & prism, Atmospheric Refraction, Refraction by Spherical Lenses, Image Formation by Lenses, The Human Eye, Dispersion of White Light by a Glass Prism
- 4.10 Electricity: Electric Current and Circuit, Electric Potential and Potential Difference, Symbols of some commonly used components in circuit diagrams, Ohm's Law, Factors affecting the Resistance, Resistance of a System of Resistors, Heating Effect of Electric Current, Electric Power, Domestic Electric Circuits
- 4.11 Magnetic Effects of Electric Current: Magnetic Field and Field Lines, Magnetic Field due to a Current-Carrying Conductor, Force on a Current-Carrying Conductor in a Magnetic Field

Part-5: Establishment Rules

- 5.1 Pass Rules
- 5.2 Leave Rules
- 5.3 Payment of Wages Act
- 5.4 Hours of Employment Regulations
- 5.5 D&AR (Disciplinary & Appeal Rules)
- 5.6 Workmen's Compensation Act
- 5.7 Factory Act
- 5.8 Basic Knowledge about HRMS, RESS, HIMS, NPS/UPS, and UMID web portals/App

Part-6 Stores

- 6.1 System of receiving and issuing goods from the store, local purchase, and inventory control
- 6.2 Stock and Non-Stock Items, PL Number
- 6.3 Basic Knowledge about UDM, GEM, IMMS, IREPS

Part-7 राजभाषा

- 7.1 संघ की राजभाषा नीति का सामान्य परिचय
- 7.2 राजभाषा अधिनियम 1963
- 7.3 राजभाषा संशोधन नियम 1976
- 7.4 राजभाषा संकल्प 1968
- 7.5 राजभाषा से संबन्धित वार्षिक पाठ्यक्रम एवं प्रचलित शब्दावली

Part-8 Professional Knowledge

8.1 ALCO Locomotive

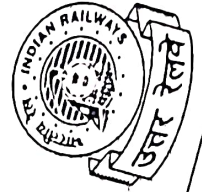
- 8.1.1 Design and construction of Diesel engine of ALCO Locomotive
- 8.1.2 Tri mounted fabricated bogie and all its components
- 8.1.3 Basic Systems: Fuel oil, Lube oil, Water cooling system and their components
- 8.1.4 Turbo supercharging in ALCO Locomotive
- 8.1.5 Testing: Load box test, self load, Auto test, Dry run test, ETS
- 8.1.6 IRAB brake system, sanding system
- 8.1.7 Basic design and features of CBC and its components
- 8.1.8 Various schedule maintenance: T1, T2, M1, M2, M6, M18, M24, M72

8.2 HHP Locomotive

- 8.2.1 Various types and features and nomenclature of GM locomotives
- 8.2.2 Design and construction of Engine block used in GM Locomotives
- 8.2.3 Basic knowledge of Design, Features and maintenance of HTSC bogie
- 8.2.4 Basic Systems of GM loco: Fuel oil, Lube oil and water cooling system
- 8.2.5 Design and overhauling of Cylinder liner, cylinder head and valve mechanism
- 8.2.6 Design and features of CBC and its components
- 8.2.7 Under gear components and their maintenance in GM Locomotives
- 8.2.8 CCB brake system and its components
- 8.2.9 Various schedules: 30 Days, 90 Days, 180 Days, Yearly 3 yearly and 6 yearly

8.3 Electric Locomotive

- 8.3.1 Design and construction of Electric Locomotive
- 8.3.2 Bogie used in electric locomotive and its components
- 8.3.3 Design, construction and maintenance of Pantograph
- 8.3.4 Design, construction and maintenance of Transformer and its auxiliaries
- 8.3.5 Design, working and maintenance of Tap changer
- 8.3.6 Under gear maintenance of electric locomotive
- 8.3.7 CBC and its components
- 8.3.8 Various maintenance schedules IA, IB, IC and TOH



8.4 T-18 (Vande Bharat)

- 8.4.1 Basic Knowledge of T-18, Formation of T-18
- 8.4.2 Bogie used in T-18 & its components
- 8.4.3 Pantograph System Maintenance
- 8.4.4 Main transformer and Auxiliary Systems
- 8.4.5 Brake Systems and its components
- 8.4.6 Basic idea of equipment fitted in different coaches of Train-18
- 8.4.7 Fire and Smoke Detection System (FSDS), Fire Detection and Suppression System (FDSS), VESDA
- 8.4.8 Wheels and Axles
- 8.4.9 Various schedule checks of Train-18: Trip, Monthly, Quarterly and 9 monthly

8.5 DEMU

- 8.5.1 Configuration of DEMU
- 8.5.2 Bogie used in DEMU
- 8.5.3 Design and construction of diesel engine of Driving Power Car
- 8.5.4 Passenger Amenities & safety items
- 8.5.5 Basic knowledge of various under frame equipment of Driving Power Car
- 8.5.6 Various schedule checks of DPC: A check, B check, C check and D check

8.6 MEMU/EMU

- 8.6.1 Basic idea of configuration and purpose of EMU/MEMU trains
- 8.6.2 Basic knowledge of bogie, coupler and other under frame equipment
- 8.6.3 Passenger Amenities & safety items
- 8.6.4 Basic idea of schedule maintenance IA and IC of EMU/MEMU

8.7 General

- 8.7.1 Types of bolts and nuts: Lock bolts, Hex bolts, Carriage bolts and Eye bolts
- 8.7.2 Common Nut types including hex nuts, lock nuts and wing nuts
- 8.7.3 Different types of Rivets: Snap head and Counter sunk
- 8.7.4 Basic knowledge & advantages of CNC machines and their major applications
- 8.7.5 Industrial safety, Fire safety, Housekeeping and First Aid
- 8.7.6 Knowledge of the Time office, Progress, Procedure for the Gate Pass etc.
- 8.7.7 Basic knowledge of computers (MS Word, MS Excel, MS PowerPoint, working of computers and applications)
- 8.7.8 Procedure of Ferrous and Non-Ferrous scrap disposal
- 8.7.9 Knowledge of hazardous work and its disposal
- 8.7.10 Procedure of condemnation of locomotives
- 8.7.11 Basic knowledge of e-Office and SLAM portal
- 8.7.12 Duties, responsibilities, and role of Junior Engineer: To motivate the staff working under him for punctuality, developing a positive attitude and increasing production

-- END --