

**NORTHERN RAILWAY  
(Delhi DIVISION)**

No.220-E/56/Elect./18/Pt.XI/P3

Dt. 04.08.2025

**NOTIFICATION NO.07/2025/(Name of the division/unit)**

**SELECTION FOR PROMOTION TO THE POST OF TECH-III/TL IN PAY LEVEL-II  
AGAINST 25% LDCE QUOTA IN Electrical DEPARTMENT OF DELHI DIVISION**

1. It has been decided to hold a selection for filling up 53 vacancies (Tentative) for the post of Tech-III/TL, Pay Level - II against 25% LDCE Quota in Electrical 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)
28	13	12	53	03 (Included) (HI-D, HH and LD-OL, LC, DW, AAV, SD (Without N/L Df), SI (Without N/L Df), MD-Yes

**2. Eligibility and Service conditions:**

Applications are called from staffs working in Delhi Division who fulfil the below mentioned eligibility criteria.

- 2.1 Education Qualification - (As per RBE No.23/98 & RBE No.68/2025).
  - a. 10<sup>th</sup> (Matriculation) from the recognized board of education or,
  - b. Must have passed ITI in the relevant trade.
- 2.2 Bee-one Medical classification is mandatory for the post of Tech-III/TL. Those who qualify in the written examination will be subjected to Medical Examination for fitness in the requisite medical qualification.
- 2.3 Serving Assistant/TL (erstwhile Helpers) of Electrical Department only. The applicant must have completed 02 years of residency period in the feeder cadre i.e. Level-1 of 7<sup>th</sup> CPC pay matrix.

The cut-off date for determining the eligibility of the employees will be the date of issue of notification (RBE - 117/2006).

There shall be pre-selection coaching to the eligible candidates, (if applicable) in terms of Railway Board and HQ policies.

There shall be promotional training for selected employees at Training centre. Their selection shall be subject to passing of the training course.

3. **Syllabus:** A syllabus for the above selection is attached as **Annexure-B**. 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. Procedure for written examination:**

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(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 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 employee 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.**

(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) In terms of Railway board letter No.E(NG) 1/2018/PM 1/4 dated 14.11.2019 (RBE 194/2019) there will be negative marking @ 1/3 mark for a wrong answer for LDCE Selection where panel is arranged in the order of merit from those qualified.

(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.

(xii) There will be no Supplementary written examination, being an LDCE selection.

#### 5. Notifying to the employees:

5.1. The willing employees should submit their application (Hard copy) in the prescribed proforma enclosed (Annexure-A B&D) duly filled in all respects on or before 19.08.2025.

5.2. 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.

5.3 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

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forwarded to Personnel Branch addressed to Sr. DPO/Delhi Division on or before 07.08.2025. 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.**

**6. Tentative schedule for holding the selection:**

Activity number	Details of activity	Tentative date (mention specific date wherever confirmed)
<b>PART-A</b>		
1	Issue of notification	(D) 04.08.2025
2	Last date of receiving of application on or before	19.08.2025
3	Issue of eligibility list	01.09.2025
4	Representation, if any on or before	04.09.2025
5	Finalization of list of eligible candidates on or before	08.09.2025
6	Conduction of pre-selection coaching	To be concluded by 10.10.2025
7	Submission of certificate by concerned department	On the next date as soon as pre-coaching selection completed
8	Ready for computer based Test held on or after	21.10.2025 onwards
<b>PART-B</b>		
9	Online issue of admit card & providing link for practice	E (the day when the admit card will be issued)
10	Conduct of written examination	E+3
11	Uploading of model answer key and activating objection tracker	E+4
12	Objection tracker will be available upto	E+11
13	Uploading of final answer key	E+14
14	Availability of result of written examination from RRC/NR to the indenting units	E+16
15	Finalizing proceedings of Selection Board/ Committee at Divisional/Unit level	E+19
16	Issue of panel	E+20

**7. Websites to be visited regularly for any update:**

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

Delhi Division/website: [Northernrailway.gov.in-Division-Delhi-Personnel](http://Northernrailway.gov.in-Division-Delhi-Personnel)

DA: as above

(Vivek Kumar)

Asstt. Personnel Officer/E  
For Divisional Railway Manager (P)  
Delhi Division

**Circulation:**

As per standard list

Sr. DEE/Chg. & Sr. DEE/G Delhi Division

All CS&WLs/Delhi Division: To handover a copy of this Notification to the concerned Senior supervisors i.e. all SSE/Elect/Chg & Genl. under written acknowledgement

Ch. OS/OS, Confidential Cell, DELHI Division

Divisional Secretary/ NRMU, URMU, SCSTREA & OBCREA

Control Office, Delhi Division

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

Sr. PRO/Delhi Division to upload to website ([Northernrailway.gov.in-Division-Delhi-Personnel](http://Northernrailway.gov.in-Division-Delhi-Personnel))



APPLICATION FOR THE POST OF TECH-III/TL (POST) IN PAY MATRIX LEVEL- (II) OF  
7<sup>TH</sup> CPC PAY MATRIX (GP-RS.1900/- OF 6<sup>TH</sup> CPC) AGAINST 25% (QUOTA) 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 a later stage, I am liable to be taken up under D&AR for major penalty apart from my application being rejected.

Date

Signature

Name

Designation

Place

Certified and forwarded to

Signature of supervisory official

Date

Name

Designation

Place



NORTHERN RAILWAY

Headquarters Office  
Baroda House  
New Delhi.

P.S.No. 16002/2025

NO: - 752-E/Elect./EIIA (317090)

Date: 15.07.2025

DRM:- DLI, UMB, FZR, MB, JAT & LKO.  
CWM:- JUDW, AMV-LKO, CB-LKO & ASR

Sub: - Syllabus for selection for the post of Tech-III/Elect./TL (Level-2).

Ref: -(i) PCPO letter no. PCPO/sel./2025 dated 15.05.2025.

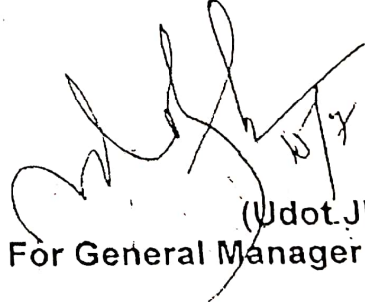
(ii) SEE/Plg/Elect. letter No. 186-Elect./G/Policy/EM/O, dated 23.06.2025

In reference to above subject, the syllabus for selection to the post of Tech-III/Elect./TL (Level-2), is enclosed herewith for your information and necessary action please.

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

Hindi version will follow.  
Please acknowledge the receipt.

DA/As above

  
(Udot Jha)  
For General Manager (P)

Copy to:

1. All PHODs and All Officers of Personnel Deptt., HQ Office, Baroda House, New Delhi.
2. General Secy./NRMU, 12 Chelmsford Road, New Delhi.
3. General Secy./URMU, 166/2, P.K Road, New Delhi.
4. Genl. Secy./AIOBC Rly Emp. Asso. 171/A3, Basant Lane, New Delhi.
5. Zonal 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, HQ Office, Baroda House, NDLS for uploading on the website.

1. Train Lighting

Introduction to train lighting systems, theory of SG/MOG/EDG/HOG/schemes and their schematic diagrams, alternator, Rectifier/Regulator, types of alternator failures and their remedies, coach wiring, lighting and fan, BLDC fans, maintenance links, maintenance schedule and activities, trouble shooting of various types of failure of alternator, regulator and batteries and improvement suggestions. Causes of V-belts drop age in SG coaches and remedies. Fire prevention measures in coaches and fire-fighting familiarization with equipment used and their rating in coaches, rating of batteries for different type of coaches and fuses for different circuits. Maintenance schedule of AC-TL coaches: Trip maintenance, Monthly maintenance & IOH of coaches, Schedule and procedure of thermal scanning. Working of Dayna drive for Alternator testing. Maintenance schedule of AC-TL coaches, LHB Coaches, AC equipment's, Power cars: Trip maintenance, Monthly maintenance & IOH of coaches, Schedule and procedure of thermal scanning, Safety Features. Use of luminaries in AC-TL coaches. Troubleshooting of AC-TL coaches in passing trains.

2. Batteries

Types of batteries/comparison, care and maintenance of lead acid batteries and methods of charging of batteries, initial charging of batteries, battery charger. Advantages of sealed maintenance free batteries.

3. General

Coach wiring diagram complete with connections of main switch, IE rules, tests checks of new wiring before energisation basic electricity i.e. voltage, current, power, power factor and connections of voltmeter, ammeter Wattmeter etc. energy consumption monitoring, steps to reduce energy consumption, calculation of energy consumption. Various types of switchgears such as MCB MCCB, ELCB & their application and their maintenance schedules, maintenance/operation and protection system of coaches. Safety while working on TL coach Procedure of shock treatment, first-aid and firefighting, safety rules. Electrical accidents-precaution & prevention.

4. IE Rules and earthing arrangements

IE rules in-connection of distribution system and use of electricity, role of electrical inspector, Electrical inspector Govt. of India for Northern railway, procedure of earth testing of coach.

5. Energy Conservation and Energy Efficiency

Energy conservation measures for train lighting coach, short note of solar coach, what is power factor, disadvantages of low power factor and methods of power factor improvement, LED lights BLDC fans.

6. Illumination

Knowledge of various types of lamps, their working & applications and their comparison, energy efficient lamps, lux levels for coaches



- c. & commissioning. Pressure gauges, control valves, strainer foot valve, precautions for starting, safety equipment & protection arrangement, trouble shooting and remedies.
- d. **AIR CONDITIONING & REFRIGERATION:** Basics of air conditioning viz. temperature, humidity, dehumidification, dry and wet bulb temperatures. Basic knowledge and types of AC's and water coolers used in Indian railways. Types of refrigerants, Type of compressors, Basic of refrigerator cycle. Operations and maintenance of various AC/refrigeration equipment. Trouble shooting and their remedies.
- e. **BATTERIES:** Type of batteries, construction, knowledge of charging and discharging their maintenance, checking of Specific gravity, Precautions to be taken while maintenance.
- f. **ENERGY CONSERVATION:** Various energy conservation measures adopted in Indian railways viz. Power factor improvement, Energy Efficient fittings, Solar energy harness, fuel consumption on DG Set, BEE star rating appliances, ECBC codes.
- g. **LIFTS AND ESCALATORS:** Basics of Lifts and escalators and their parts, safety provision and basic troubleshooting in lifts and escalators. Maintenance schedule of lifts and escalators.
- h. **DG Sets:** Basics of DG sets, Latest CPCB norms of DG sets, Basic operation and maintenance of DG sets.
- i. **SOLAR PANELS:** Basic principle of Energy conversion from solar panels, Types of solar panels. Main parts of Solar plant, Basics of On-grid and Off grid solar plants. Net metering of solar plants.

2. **TRAIN LIGHTING AND AIR CONDITIONING:** Types of Coaches used in Indian railways. Systems of Train Lighting and Air conditioning in coaches, Self-Generating Coaches, ICF TL/AC Coach Generation system. Equipment, circuits and protection in ICF TL/AC coaches. Emergency feed extension in coaches. EOG and HOG systems in coaches - Hotel Load converter and Interlocking panel. Equipment, power circuits and protection systems in LHB TL/AC coaches, Power car and Pantry car. Air Conditioning in ICF/LHB coaches. Maintenance schedules of ICF and LHB coaches. Duties of ACCI/ACCA. Pre-cooling of AC Coaches. Fire causes and prevention measures in coaches. SMIs, Modification Sheets and Technical circulars issued by RDSO and instructions by Railway Board and RDSO, Schedule and procedure of thermal scanning.

### 3. **MATERIAL MANAGEMENT IN RAILWAYS:**

- a) Introduction to material management.
- b) Organizational structure of material management organization of Indian Railways
- c) Functions of material management- Planning and inventory management (Stock items, PL no. & non stock items), procurement, receipt and inspection & handling of rejection etc.
- d) Model SOP, IRS-condition of contract, Store Depot working, stock verification & audit, Scrap disposal.
- e) Non stock procurement under works programme, RSP, M&P, E-procurement, IREPS, GEM procurement etc.

### 4. **CONTRACT MANAGEMENT & FINANCIAL MANAGEMENT:**

- a) Contract management

- Vigilance

b) Financial Management

- Railway accounting and financial procedures
- Primary units, various demands
- Works programme, M&P and RS programme
- Stages of budgeting (Revised and Budget estimates, Review, Final Modification)
- Roles of JE & SSE in Tenders & Contracts

5. GENERAL & ESTABLISHMENT KNOWLEDGE:

- D&AR Rules: Various definitions, the applicability, suspension and issue of minor penalty charge sheet, appeals
- HOER Categories, Industrial relations and roles of trade unions.
- Various types of leaves which can be granted to staff.
- Railway Service Conduct Rules.
- General knowledge about working in various other departments in Railways
- Knowledge about Pass, PTO, Travel on duty, increment, Promotion of artisans, Quarters, Staff welfare, Allowances etc.
- Basics of RTI and Disabilities Acts and our obligations & responsibilities.
- Establishment powers of JE & SSE in open line.

6. COMPUTER FUNDAMENTALS:

- Basics of hardware and software, Semiconductors, Gates, Diodes.
- Operating systems basics
- Internet, E-mails, MS-office and useful apps.

8. राजभाषा

- राजभाषा- संवैधानिक प्रावधान,
- राजभाषा अधिनियम 1963 (यथा संशोधित 1976),
- संविधान की आठवीं अनुसूची में शामिल भाषाएँ,
- राजभाषा कार्यन्वयन समिति,
- राजभाषा प्रोत्साहन / पुरस्कार योजनाएँ,
- हिंदी प्रशिक्षण

9. General Knowledge, Reasoning, Aptitude.