

**NORTHERN RAILWAY
(DELHI DIVISION)**

No. 232-Elect/EMU/GZB/Tech-III/25%/IQ

Dt. 04.08.2025

NOTIFICATION NO. 14/2025/(Dehli)

SELECTION FOR PROMOTION TO THE POST OF TECH-III/IQ IN PAY LEVEL- 02 AGAINST 25% LDCE QUOTA IN ELECTRICAL/EMU DEPARTMENT OF DELHI DIVISION.

1. It has been decided to hold a selection for filling up 49 vacancies for the post of Tech-III/IQ, Pay Level – 02 against 25% LDCE Quota in ELECTRICAL/EMU 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)
21	16	12	49	2 (D,HH,OL,DW,AAV)

2. **Eligibility and Service conditions:** (verbatim to the Railway Board and HQ office instructions)

2.1 Education Qualification, if any:- (as Per 23/98 and 68/2025)

- a. 10th (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/EMU. Those who qualify in the written examination will be subjected to Medical Examination for fitness in the requisite medical qualification.

2.3 Serving Assistant/EMU in ELECTRICAL/EMU/GZB. Further, they should have completed minimum two years regular service in Railway.

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 EMU/GZB (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- A**. 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:**

(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

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(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.**

(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 or soft copy as required) in the prescribed proforma enclosed (Annexure 1) duly filled in all respects on or before 19.08.2025 (due date)

5.2. Applications (Hard copy or soft copy as required) 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 forwarded to Personnel Branch addressed to Sr. DPO/DLI on or before 07.08.2025 (date). 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.**

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6 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 (D)
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	Conducting 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 before	21.10.2025 onwards
PART-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/Unit's website:

website Northernrailway.gov.in Division. Delhi-Personnel.

DA: as above

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4/8/25

(Vivek Kumar)

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

Circulation:

As per standard list

All CS&WLIs/ Delhi Division: To handover a copy of this Notification to the concerned Senior supervisors under written acknowledgement

Ch. OS/OS, Confidential Cell, Delhi Division

Divisional Secretary/ NRMU, URMU, SCSTREA & OBCREA

Control Office, EMU/GZB Delhi Division

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

Delhi Division's website [website Northernrailway.gov.in](https://www.northernrailway.gov.in) Division. Delhi-Personnel.

Annexure B

APPLICATION FOR THE POST OF Tech-III IN PAY MATRIX LEVEL- (02) OF 7TH CPC PAY
MATRIX (GP-1900 /- OF 7TH CPC) AGAINST 25% LDCE 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

Sub:- Filling up vacancies from the post of Asst. Engineer
/IQ in Level-2

PP-1

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

No. 561-E/7th CPC/2015 (Pt. V)/P-1A
Date: 07-10-25

DRM Office,
New Delhi

Category J/Delhi Division
All Branch Officer/Delhi Division
Sr Subordinate Incharges
Delhi Division.

(NR PS NO.....16010...../.....2025.....)

Sub:- Syllabus for Selection for the post of Tech-III/EMU (Level-2)

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

752-E/Elect./G.I.A (317090) dated 15/07/2025

In reference to above subject, the syllabus for selection to the post of Tech-III/EMU (Level-6), is enclosed herewith for your information and necessary action please.

Please acknowledge the receipts.

DA/as above

[Signature]
16/07/2025

[Signature]
Abhishek Gupta

(.....)

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.

P.S.No. 16010/2025

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/EMU (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

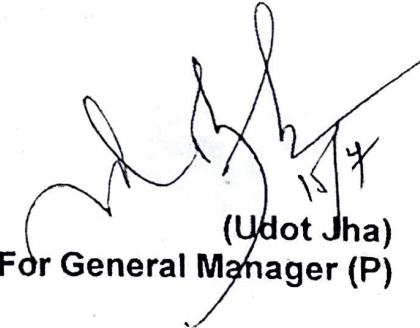
In reference to above subject, the syllabus for selection to the post of Tech-III/EMU (Level-2), is enclosed herewith for your information and necessary action please.

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.

Syllabus for selection to the post of 'Tech.-III/EMU' is as follows:

1. INTRODUCTION TO WORKING OF RAILWAY ORGANIZATION AND ELECTRICAL DEPARTMENT SET UP:

- a. General introduction to Indian Railways- Brief History, salient features.
- b. Organizational structure- Railway administration/ Railway Board setup, Zonal/HQ setup, Divisional setup etc.
- c. Introduction to Electrical Department- organizational structure, functions, role of electrical department in Railways.
- d. Organizational structure of Sheds/Workshops, sections of the shed & their functions.
- e. Various units of Railways, Major workshops, Production units, RDSO etc.

2. BASIC SCIENCE AND ENGINEERING:

- a. Physics fundamentals: -Units, Measurements, Mass, Weight, Density, Work, Power, and Energy, Speed and velocity; Heat and Temperature.
- b. Electricity and Magnetism: Electric Charge, Field, and Intensity, Electric Potential and Potential Difference, Simple Electric Circuits, Conductors, Non-conductors/Insulators, Ohm's Law, Kirchhoff's Laws, series and parallel circuits.
- c. Electronic Devices and Circuits: Semiconductor devices, diodes, transistors, and basic electronic circuits

3. MATHEMATICS: Number system, BODMAS, Decimals, Fractions, LCM, HCF, Ratio and Proportion, Percentages, Mensuration, Time and Work; Time and Distance, Simple and Compound Interest, Profit and Loss, Square Root.

4. BASIC COMPUTER FUNDAMENTELS: Computer architecture, Input/Output devices, Storage devices, Networking, Operating systems, MS Office, Internet and Email & Computer Viruses.

5. DISCIPLINE SPECIFIC KNOWLEDGE-EMU:

- a. General description of EMU/MEMU conventional & 3 phase rakes, their Acceleration and retardation, regenerative braking.
- b. Difference between EMU and MEMU Type of Coaches (MC, TC and vendor coaches), Unit information of EMU and MEMU.
- c. Maintenance schedule of Periodicity and major activities in conventional & 3 phase EMU/MEMU rakes, codes/manuals/SMLs related to EMU/MEMU, Trip/schedule inspection, testing protective device and relays, OHE isolation.
- d. Description of Mechanical items, Bogie, wheels, Gear, axle box, Coupler, side bearers, centre pivot, cattle guard, Roller bearings, air suspension bearing, Axle clearances, wheel defects, lubricants used etc.
- e. Traction Motor and Aux Motors, OHE, Pantograph, SPM and Pneumatic items- Compressor, Main reservoir, air dryer, Braking system, Brake binding etc.
- f. Function of Major and ratings equipment (Circuit breaker, ABB/VCB). Bushing/CHT, TF, Choke tank, Rectifier, switch gear, Tap changer. Function of Traction control management systems, HMI, PAPIS, Master controller, deadman's handle, all types of converters, DC link, electronic cards etc.
- g. General description of train lighting, cab items, battery items, Head light, flasher light, jumper, charger, Carriage fans, MCBs, fuses & their ratings, electrical equipment in HT/LT compartments.
- h. Passenger amenity items, body furnishing items, bio-toilets, RTIS, Fire Suppression & smoke detection system, Kavach working & limitations.

8. MAINTENANCE AND SERVICING:

- a. Trouble shooting techniques and modern repair techniques, proper use of electrical test instruments/equipment for trouble shooting and servicing of electrical/electronic systems.
- b. Knowledge of modern test and measuring equipment available in electrical repair shop and their application.
- c. Importance of preventive maintenance use of check lists, scheduling/ planning for maintenance work, maintenance log cards regarding EMU/MEMU rakes.
- d. Knowledge of various drives- summer, winter, monsoon & safety drive etc.

9. Establishment rules (HRMS, UMID, RESS, Leave rule, D&AR rule, Pass rules, Allowances, HOER etc.),

10. Rajbhasha – Hindi Rajbhasha Rules 1976 and its applicability on Railways,

11. General Knowledge, Reasoning, Aptitude.