



No: NR/UMBOPERS(PP3)/151/2023
Dt : 05.08.2025

Divisional Office,
Ambala Cantt.

Sr. DEE/Electrical/TRD UMB

Sub: Selection for the post of Technician Gr-III/TRD Level-2 in 7th CPC/GP Rs. 1900 against 25% Intermediate Quota in Electrical TRD Department on UMB Division, N.Rly.

- 1 It is proposed to conduct a selection for promotion to the post of Technician Gr-III/TRD in Level-2 in 7th CPC/GP Rs. 1900 against 25% Intermediate Quota in Electrical TRD Department on UMB Division, N.Rly. **The Break-up of Vacancies is as detailed below:-**

Sl No	Category	UR	SC	ST	Total	PwBD	
1	Tech-III/TRD	04	01	Nil	05	01	D,HH,OL,LC,DW,AAV

- 2 Applications are hereby invited from Assistants/(HelperKhalasi) in Electrical TRD Department in Level-01 in 7th CPC/GP Rs. 1800 who are having requisite qualification and service particulars mentioned below:-

3 ELIGIBILITY CONDITIONS:-

- Assistants(Helper Khalasi) in Electrical/TRD department in Level-01/GP Rs. 1800 with minimum 2 years regular service as on date of notification will only be eligible to appear for the selection including SC/ST Employees.
- In case of staff who are appointed as Substitutes and subsequently regularized in a Group-D posts are required to fulfill the service condition of Two years counted from the date of regularization.

4 Educational Qualification:-

All serving employees working as Assistants/TRD working in Electrical/TRD possessing the qualification prescribed under Act Apprenticeship in the relevant trade or Matriculation with 02 years of service are eligible to volunteer for the selection.

The candidates who are considered suitable by the selection committee shall have to undergo for prescribed training (if any) & should have to undergo Trade Test and the staff who passed the Trade Test will be promoted as Technician-III/TRD in Level-02/GP Rs. 1900/-.

Staff who failed in the Trade Test will be required to appear again in Trade Test after a gap of six months and they will be promoted if they pass the Trade Test. Those who failed again in the Trade Test will be required to appear in the selection afresh as and when held.

Medical Classification:- Should be found fit in BEE-ONE (B-1) Medical Classification.

- 5 Cutoff Date: In terms of Railway Board's letter no. E(NG)I/2005/PM1/52 dated 22.08.2006, the cut-off date for determining the eligibility of the staff should be the date of issue of notification. As such the volunteering employees stand fulfill the service conditions of age and educational qualifications and other service conditions as on the date of notification i.e. 05/08/2025

6 HOW TO APPLY:-

Employees should submit the application through proper channel enclosed as **Annexure-A** for separate for each Post.

The above notification may please be given wide publicity among all concerned under your control. The copy of notification should be displayed on notice Board at a conspicuous place. All the Supervisors concerned should ensure the same.

Staff who are on deputation/leave/sick should also be notified to enable them to apply through proper channel in time. It is the responsibility of the Supervisor to do the same.

Such staff who are working in Construction or Railway Electrification Organization and their seniority mentioned and having lien over Ambala Division in eligible category may also apply for the above said selection and if the staff is selected and placed on the panel for promotion to the post of Technician-III/Lineman they will be posted only over Ambala Division on promotion.

- 7 **Date of Written Examination:-** The selection will be finalized based on the CBT examinations, Scrutiny of Record of Service and final panel will be drawn on the basis of merit. The written examination will be held at short notice, the date and the venue of written examination will be notified in due course by RRC. Date of this notice may be treated as notice for examination and further eligible candidates can be called on a short notice without giving any further time. The supplementary W.T will not be Conducted.

Handwritten signature and date
05/8/25

Cont. Page: 02

- 8 The syllabus prescribed for selection to the post of Technician Gr-III/TRD in Electrical/TRD Department of Ambala Division against 25% Intermediate Quota is enclosed as **Annexure-B**.
- 9 **Procedure for written examination:-**
- 9.1 Procedure for 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).
- 9.2 The written examination will be a Computer Based Test(CBT)/Tablet Based Test (TBT) where there will be no physical question paper. All the question will be appear on the computer/tablet and the employee will have to mark their responses/answers to the questions on computer tablet.
- 9.3 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 examination will be there in the admit card. As no physical communication will be made after issued 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 as and when made available by RRC. Further, no supplementary absentee examination shall be conducted on this ground.
- 9.4 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/answer in the actual examination. Employees can practice through that link any number of times.
- 9.5 Both physical and biometric attendance will be marked at the examination venue.
- 9.6 100% questions will be objective type multiple choice questions.
- 9.7 There will be negative marking @1/3 marks for wrong answers for all selections including LDCE where panel is arranged in the order of merit from those qualified.
- 9.8 There shall be questions in Official Language Policy and Rules upto 10% of marks. However, it is not mandatory to attend the same.
- 9.9 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.
- 9.10 The written examination will be of 02 (two) hours duration.
- 9.11 There will be computerized evaluation. ++++++
10. The candidates who are considered suitable by the selection committee shall have to undergo for apprentice training Prescribed if any.
- 11 **The Last date for submission of Application:-**
The willing and eligible volunteers have to submit their application in prescribed proforma (ANNEXURE-A) to the Sr. Subordinate on or before 21.08.2025. The Sr. Subordinate has to forward all the application in one bunch to Sr.DPO/UMB together with D&AR/SPE/VIG clearance on or before 21.08.2025. The candidate should necessarily fill all the relevant column and strike out the inapplicable columns indicating as "NA". The column of the date should invariable filled in. The supervisor shall also affix their signature & date while forwarding application to the controlling officer. Incomplete application, application received after the last date shall be summarily rejected.
At the time of forwarding applications Sr. Subordinate to give a certificate on performa (in which all data of application received) that the entire above particular are checked and verified from their service record and found correct.
NOTE: THE APPLICATION OF ANY EMPLOYEE SUBMITTED DIRECTLY IN THIS OFFICE WILL NOT BE ENTERTAINED IN ANY CASE.

DA/ As above.

For Sr. Divisional Personal Officer
Northern Railway, Ambala Cantt.

Copy to:

1. SSE/TRD SRE, UMB, CDG, SIR, MRND, RPAR,PTA,DUI, BTI&UKN, SSE/RC/UMB, SSE/DRS/UMB
2. SSE/Cnl/Elect./TRD, All Sec. C&W.II/W.II for information of concerned staff.
3. DS/NRMU, URMU
4. DS/AIOREA, AISC/ST REA

Annexure-A

Application form for the for the post of Technician Grade-III/TRD in Level - 2 (GP 1900) against 25% Intermediate Quota in Electrical/TRD Department.				Latest photograph (attested by the controlling supervisor)		
Ref: Sr.DPO/UMB Letter .No. NR/UMBOPERS(PP3)/151/2023 dt.05.08.2025						
1.	Name of the Post					
2.	Name of Employee					
3.	Father's or Husband's Name of the employee					
4.	Designation & Station					
5.	Fit in medical classification					
6.	Grade Pay/Level					
7.	Date of Birth					
8.	Date of Appointment					
9.	Date of Screening (in case of appointed as Casual Labour/ Substitute)					
10.	Letter Number of Screening with date					
11.	Mode of Recruitment					
12.	Lien Maintained in (in case of working in construction/RE or other organization)					
13.	SC/ST/OBC/UR (In case of SC/ST certificate)					
14.	Education Qualification (Certificate & Mark sheet enclosed) with self-attestation					
15.	Technical Qualification (Certificate & Mark sheet enclosed)					
16.	Mobile No.					
17.	P.F. No.	HRMS ID				
18.	Details of Rly Week Award/Punishment of Last three years (If any) (copy must be enclosed).					
	Awards			Punishments		
	2023	2024	2025	2023	2024	2025

DECLARATION

I hereby declare that the above particulars are correct to the best of my knowledge and my candidature is liable to be cancelled if found incorrect.

Signature with date of Employee

Forwarded with the remarks that the above particulars submitted by the employee have been checked and verified with the record available in this office.

Signature with date of Sr. Subordinate

Annexure-B
(6)

NORTHERN RAILWAY

Headquarters Office
Baroda House
New Delhi

P.S.No. 16004/2025

NO: - 752-E/Elect/EHA (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./TRD (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

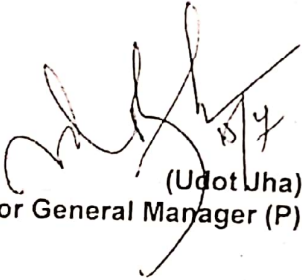
In reference to above subject, the syllabus for selection to the post of Tech-III/Elect./TRD (Level-2), is enclosed herewith for your information and necessary action please.

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


(Udit 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 the selection of Tech-III/TRD

1	Introduction to working of Railway organization and electrical department set up, functions of various streams	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. Brief history and salient of electric traction on Indian Railway. e. Various units of Railways, Major Workshops, Production units, RDSO etc. f. Duties of Tech./TRD.
2	General description of fixed installation	a. Power supply arrangement at Traction sub-stations(TSS). b. Power supply for signaling. c. Remote Control and Communication arrangements. d. Communication facilities. e. Traction Power Control. f. Overhead Equipment g. Numbering of elementary sections
3	Principles for Layout Plans and Sectioning Diagrams	a. Introduction & Definitions. b. Sectioning arrangement. c. Numbering of OHE masts. d. Numbering of equipments.
4	Overhead Equipment-I	a. Foundations for OHE Structures. b. OHE Structures c. Cantilever Assembly d. Regulating Equipment e. Section Insulator f. Isolators, Droppers g. Neutral Section h. Conductors i. Tension length j. Overlap k. Jumpers l. contact wire height m. Stagger n. Encumbrance o. Span Length p. Implantation/Setting Distance q. Turnout and Crossover r. Clearances s. Bonding and Earthing t. Transmission lines
5	Overhead Equipment-II	a. Maintenance schedule for overhead equipment. b. Foot patrolling of OHE. c. Footplate inspection. d. Tower wagon operation, maintenance and safety while working. e. Safety rules for OHE.

		f. Current collection test (OLIVER-G) g. Environment effect on OHE.
6	Power Supply Installations - I	a. Traction Power Transformers b. Circuit breaker, Interrupter and Isolator c. Auxiliary Transformer d. Current Transformer e. Potential Transformer f. Lighting Arrestor g. Capacitor Bank h. Bonding and Earthing i. Batteries and Battery chargers j. Numbering Scheme in PSI
7	Power Supply Installations - II	a. Protective system and Relay setting. b. Maintenance Schedule for power supply installations. c. Safety during working at power supply installations d. Uses of Thermo- Vision Camera, CONDITIONING Monitoring PSI Equipment's.
8	2X25 kV ac Traction System	a. Introduction and description of 2X25kV ac Traction System.
9	High Rise OHE	a. Various parameters of High Rise OHE.
10	Remote Control and SCADA system	a. Introduction. b. Salient features of SACDA c. System Description d. Maintenance schedule.
11	Traction Power Control	a. Operation b. Duties of CTPC and TPC c. Power blocks and PTW
12	Breakdown and Electrical accidents	a. Sub-station and switching station breakdown b. Breakdown of RC equipment c. OHE breakdown d. Electrical accidents
13	Preparation for commissioning of new assets	a. Pre-commissioning inspections. b. Detailed joint inspection of OHE.
14	Safety precautions on electrified section	a. Movements of tower car, caution order, safe working rules in 25 kV & 2x25 kV territory. b. Protection of staff. c. Induction effects of 25 kV ac 50 Hz Single Phase Traction. d. Over Dimensioned Consignments (ODC) & JPOs. e. Regulations for power line crossings of Railway track- Maintenance schedule & items to be attended. f. Safety precautions to be taken for PF shelters, fencing, FOBs while working in the vicinity of 25 kV. g. Operation & importance of locking of interlocked isolators. h. Importance of permit to work, earthing, bonding, temporary jumpering of rails in case of rail fracture. i. New technology & case studies.
15	Electrical Accidents	a. General safety rules, Importance of safety belts, helmets, ladders. b. Electrical shock causes, Prevention & treatment etc. c. Preventive measures to avoid electrical accident.

	d. Measures to be taken in case of electrical accident. e. Fire causes and safety measures and various codes. f. First aid for injury, burns etc.
16	Establishment rules (HRMS, UMID, RESS, Leave rule, D&AR rule, Pass rules, HOER and Allowance etc.),
17	Rajbhasha – Hindi Rajbhasha Rules 1976 and its applicability on Railways,
18	General Knowledge, Reasoning, Aptitude.

