

(Ref: Letter No. E-386/129/CBT/S-Cell/P dated 07/2025)

No 759-E/4/JR/TRD/PQ/P3
Dated 01.08.2025.

Divisional Office,
Firozpur.

All SSEs/TRD of FZR/JAT Division.

Sub: Selection for the post of JE/TRD Pay level-6 (GP 4200/-) against 25% promote quota in TRD department of FZR Division.

Ref: GM/P/NDLS letter No. E-387/129/CBT/C-Cell/P dated 29.07.2025.

1. It has been decided to hold a selection for filling up 07 vacancies for the post of JE/TRD Pay level-6 against 25% Promote Quota in electric department of FZR Division. Bifurcation of vacancies are as under.

UR	SC	ST	Total	PwBD(in terms of Railway Board's letter No. E(NF)II/2017/RC-2/1 policy dated 27.02.2019)
05	01	01	07	-

2. Eligibility and Service conditions.

- (i) The list of senior eligible staff working as MCM/TRD (Level-6) of TRD department, FZR Divn and who are in the zone of consideration in 1:3 ration basis on their seniority, is enclosed as Annexure-I.
- (ii) A standby 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 Performa attached (Annexure-II) and forwarded to this office on or before 10.08.2025 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/Unit over Northern Railway.

4. Procedure of 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 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 <http://rrenr.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 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://rrenr.org>) to the employee, explaining as to how the question will 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 shall not be any negative marking.

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

(ix) There will be 110 question 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.

5 Notifying to the employee.

The senior subordinate/Supervisors concerned has to furnish a certificate that " the eligible employees has 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 and RRC/NRs website (<https://rrcnr.org>) regarding availability of admit card and link for demo test. Such certificate should be forwarded to Personnel Branch addressed to Sr.DPO/FZR (please change as required). 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 Division /Unit over Northern Railway.** The unwillingness if any, received from the employees is to be forwarded to Personnel Branch addressed to Sr.DPO/FZR on or before 10.08.2025.

6. As per instructions contained in PS 11513, the SC/ST candidates are required to be given pre-selection coaching for 3-4 weeks, before appearing in written test. The branch officer required to make arrangement for the same & certificate of completion of training be communicated to this office for office record to avoid any type of embarrassing situation in future, thus personnel branch will not responsible, not required if already given.

7. As per GM(P)/NDLS letter No. 807-E/Surrender of Post/MPP-2017/II dated 19.06.2025, all the promotion of FZR and JAT Division jurisdiction should be done by FZR Division. Hence this selection be conducted for FZR & JAT Division both, after empanelment employee may be posted anywhere at FZR & JAT Division as per administrative requirement.


6. Tentative schedule for holding the selection:

Activity number	Details of activity	Tentative date ()
PART- A		
1.	Issue of notification along with main and stand-by eligibility list	01.08.2025
2	Submission of certificate by Electric department along with list of unwilling employees	10.08 2025
3.	Conducting pre-examination training	Mentioned as above in Para 6.

Websites to be visited regularly for any update:

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

Firozpur Division/Unit's website:


for Sr. Divisional Personnel Officer
N.Rly/Firozpur

Copy forwarded for information and necessary action to:

1. All CS & WLs/Firozpur & JAT Division : To hand over a copy of this notification to the employees appearing in Annexure-I & II under written acknowledgment
2. Ch.OS/OS, Confidential cell, Firozpur Division
3. Divl. Secy./NRMU/URMU, SCSTREA & OBCREA of FZR Division
4. Control Office, Firozpur Division
5. RRC/NR's website (<https://rrcnr.org>)

List of staff working as MCM/TRD who's eligible for the CBT/TBT for the post of JE 25% against promote quota.

SN	Name	Fathers Name	Stn	UR/ SC/ST	Remarks
1	HARDYAL SINGH	UTTAM CHAND	LDH	UR	
2	ASHWANI KUMAR	OM PARKASH	FZR	UR	
3	RAJINDER KUMAR VERMA	RAMA SHANKAR	LDH	UR	
4	SUNIL KUMAR	RAM PAL	JRC	SC	
5	DINESH KUMAR	NARINDER PAL	ASR	UR	
6	RAMESH CHAND	KANSI RAM	FZR	UR	
7	RAJINDER	OM PRAKASH	JRC	SC	
8	AMIT NAYYAR	INDER MOHAN	LDH	UR	
9	DINESH KUMAR	BARKAT RAM	PTKC	UR	
10	YASH PAL	WATTAN CHAND	JRC	UR	
11	SUBHASH SHARMA	T.R. SHARMA	ASR	UR	
12	ANIL KUMAR	RAJ MOHAN	JRC	SC	
13	ANGREJ SINGH	RATTAN SINGH	ASR	UR	
14	KANWARDEEP SINGH	A.P.SINGH	ASR	UR	
15	PAWAN KUMAR	DOODH NATH	JRC	UR	
16	ANIL KUMAR	PREM NATH	JRC	SC	
17	MASSA SINGH	MOHNI	GSP	SC	
18	HARPAL SINGH	JOGA SINGH	LDH	SC	
19	HARI MOHAN MEENA	SUWALAL MEENA	LNK	ST	
20	RAMESH CHAND	JAISI RAM	BDGM	ST	

The list of senior eligible staff working as MCM/TRD (Level-6) of TRD department, FZR Divn and who are in the zone of consideration in 1:3 ration basis on their seniority as above, but only two ST are coming in the list and one are not completed two years service.

Standby list

SN	Name	Fathers Name	Stn	UR/ SC/ST	Remarks
1	VARUN KUMAR	KISHORI LAL	ASR	UR	
2	ARVIND SHARMA	MURARI LAL	JRC	UR	
3	CHAMAN LAL	GORKHU RAM	PTKC	UR	
4	ASHOK KUMAR	HARI RAM	PTKC	UR	
5	Ashok Kumar	Ram Achal	FZR	UR	
6	SUKHWINDER	PARKASH RAM	LNK	SC	
7	RAM PHER	RAGHUNANDAN	JRC	SC	
8	Naresh Kumar	Saran Dass	TTO	SC	
9	Amrik Singh	Avtar Singh	JRC	SC	



Syllabus for the selection of Junior Engineer/TRD

1	Introduction to working of Railway organization and electrical department set up, functions of various streams	<ul style="list-style-type: none"> 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 JE/ SSEs.
2	General description of fixed installation	<ul style="list-style-type: none"> a. Power supply arrangement at Traction sub-stations. b. Power supply for signaling. c. Remote Control and Communication arrangements. d. Communication facilities. e. Traction Power Control. f. Overhead Equipment
3	Power supply for traction	<ul style="list-style-type: none"> a. Supply system. b. Liaison with power supply authorities. c. Tariff for traction. d. Monthly meter reading. e. Scrutiny of bills. f. Power factor improvement g. Shut down of traction supply. h. Statical data regarding energy consumption. i. Open Access
4	Principles for Layout Plans and Sectioning Diagrams	<ul style="list-style-type: none"> a. Introduction & Definitions. b. Sectioning arrangement. c. Numbering of OHE masts. d. Numbering of equipment. e. Numbering of elementary sections
5	Overhead Equipment-I	<ul style="list-style-type: none"> a. Duties of JE (OHE). b. Foundations for OHE Structures. c. OHE Structures d. Cantilever Assembly e. Regulating Equipment f. Section Insulator g. Isolators, Droppers h. Neutral Section i. Conductors j. Tension length k. Overlap l. Jumpers m. contact wire height n. Stagger o. Encumbrance p. Span Length q. Implantation/Setting Distance r. Turnout and Crossover s. Clearances

		<ul style="list-style-type: none"> t. Bonding and Earthing u. Transmission lines
6	Overhead Equipment-II	<ul style="list-style-type: none"> 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. h. Schedule of inspection. i. Investigation of OHE failure. j. Documents to be kept for work on OHE.
7	Power Supply Installations - I	<ul style="list-style-type: none"> a. Duties of JE (PSI) b. Traction Power Transformers c. Circuit breaker, Interrupter and Isolator d. Auxiliary Transformer e. Current Transformer f. Potential Transformer g. Lighting Arrestor h. Capacitor Bank i. Bonding and Earthing j. Batteries and Battery chargers k. Numbering Scheme in PSI
8	Power Supply Installations - II	<ul style="list-style-type: none"> a. Protective system and Relay setting calculations. b. Maintenance Schedule for power supply installations. c. Energy conservation measures for Traction installations d. Safety during working at power supply installations e. Uses of Thermo- Vision Camera, Conditioning Monitoring PSI Equipment's. f. Investigation of PSI failure.
9	2X25 kV ac Traction System	<ul style="list-style-type: none"> a. Introduction and description of 2X25kV ac Traction System.
10	High Rise OHE	<ul style="list-style-type: none"> a. Various parameters of High Rise OHE.
11	Remote Control and SCADA system	<ul style="list-style-type: none"> a. Introduction. b. Duties of JE (RC) c. Salient features of SACDA d. System Description e. Investigation of SCADA failure. f. Maintenance schedule.
12	Traction Power Control	<ul style="list-style-type: none"> a. Operation b. Duties of CTPC and TPC c. Power blocks and PTW d. Joint procedure order
13	Breakdown and Electrical accidents	<ul style="list-style-type: none"> a. Sub-station and switching station breakdown b. Breakdown of RC equipment c. OHE breakdown d. Electrical accidents e. Emergency stores and breakdown equipment
14	Railway Electrification	<ul style="list-style-type: none"> a. Introduction b. Survey Team & its work. c. Foot by foot survey. d. Abstract Estimate and Cost Benefit Analysis.

		<ul style="list-style-type: none"> e. Detailed estimate. f. Format of the project report g. Commissioning of Electrical Installations and EIG Sanction. h. Works programme, machinery & plant Programme and rolling stock programme.
15	Preparation for commissioning	<ul style="list-style-type: none"> a. Pre-commissioning inspections of new lines/ sections. b. Commissioning of transformers, Circuit breakers, interrupters, current transformer, potential transformer & Auxiliary transformers etc. c. Detailed joint inspection of OHE. d. Insulation tests. e. Continuity tests.
16	Safety precautions on electrified section	<ul style="list-style-type: none"> a. Station working rules- movements of tower car, caution order, safe working rules in 25 kV & 2x25 kV territory, G&SR relating to tower car. b. Protection of staff against traffic movements and protection of trains. c. Induction effects of 25 kV ac 50 Hz Single Phase Traction. d. Working of Diesel locomotives and steam locomotive in electrified section. <ul style="list-style-type: none"> • Watering of carriage in electrified sections- basic precautions, watering section, sequence of interlocking & Operation, persons authorized to open switches, custody of keys, key register, Loss of keys. e. Loading & unloading of petroleum products: - f. Rules applicable to Permanent Way Staff. g. Rules for S&T installations. h. Over Dimensioned Consignments (ODC) & JPOs. i. Other Precautions: - <ul style="list-style-type: none"> • Movement of Rubber Tyred Vehicles on Railway Wagons. • Hording Boards. j. Competency Certificate: - <ul style="list-style-type: none"> • Competency certificate and courses for Station Masters/pointsman to operate isolators. k. Regulations for power line crossings of Railway track- Maintenance schedule & items to be attended. l. Induction effect on nearby LT lines and yard lighting. m. Safety precautions to be taken for PF shelters, fencing, FOBs while working in the vicinity of 25 kV. n. Operation & importance of locking of interlocked isolators. o. Importance of permit to work, earthing, bonding, temporary jumpering of rails in case of rail fracture/ rail changing. p. New technology & case studies.
17	Electrical Accidents	<ul style="list-style-type: none"> 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. Case studies and discussion f. Fire causes and safety measures and various codes. g. First aid for injury, burns etc.

18	IE Rules and Energy Conservation	<ul style="list-style-type: none"> a. Brief on I.E. Rules, Energy Conservation Act, BEE, ECBC Code, Information on star rated products, etc. b. Global Warming & climate change, clean development mechanism and carbon credits, etc. c. Solar Energy Application d. Energy efficiency measures in Electrical department
19	Energy conservation	<ul style="list-style-type: none"> a. Monitoring of Energy Conservation b. Energy conservation measures for Traction Installation. c. New developments. d.
20	Familiarization with other departments to understand their working and Inter department coordination	<ul style="list-style-type: none"> a. Electrical Inspector General (EIG) sanction b. Overview of Codes, manuals and other publications of electrical department issued by Railway board, RDSO etc. c. Renewable Energy Sources- Solar energy, wind energy etc. d. Working of control office/ TPC/ TLC. e. P-Way maintenance/ assets f. Sick lines, C&W depot/ activities g. Signalling & tele-communication/ RRI working
21	Disaster Management	<ul style="list-style-type: none"> a. Introduction to Disaster management, NDRF, SDRF etc. b. Organizational infrastructure to effectively combat disaster (medical accessories, relief train, essential materials). c. Accident & break down management, preventive steps. d. Analysis of breakdowns, case studies and discussion
22	MATERIAL MANAGEMENT IN RAILWAYS:	<ul style="list-style-type: none"> 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.
23	CONTRACT MANAGEMENT & FIANANCIAL MANAGEMENT:	<ul style="list-style-type: none"> a) Contract management <ul style="list-style-type: none"> - Tenders & Contracts - Vigilance b) Financial Management <ul style="list-style-type: none"> - 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
24.	GENERAL & ESTABLISHMENT KNOWLEDGE:	<ul style="list-style-type: none"> a) D&AR Rules: Various definitions, the applicability, suspension and issue of minor penalty charge sheet, appeals

		<ul style="list-style-type: none"> b) Rules for engagement and discharge of casual labours / substitutes and knowledge of relevant sections, Industrial relations and roles of trade unions. c) Various types of leaves which can be granted to staff. d) Railway Service Conduct Rules. e) General knowledge about working in various other departments in Railways f) Knowledge about Pass, PTO, Travel on duty, increment, Promotion of artisans, Quarters, Staff welfare, Allowances, HOER etc. g) Basics of RTI and Disabilities Acts and our obligations & responsibilities. h) Establishment powers of JE & SSE in open line.
25	COMPUTER FUNDAMENTELS:	<ul style="list-style-type: none"> a) Basics of hardware and software, semiconductors, diodes and gates b) Operating systems basics c) Internet, E-mails, MS-office and useful apps
26	राजभाषा	<ul style="list-style-type: none"> a.राजभाषा- संवैधानिक प्रावधान, b.राजभाषा अधिनियम 1963 (यथा संशोधित 1976), c.संविधान की आठवीं अनुसूची में शामिल भाषाएँ, d.राजभाषा कार्यान्वयन समिति, e.राजभाषा प्रोत्साहन /पुरस्कार योजनाएं, f. हिंदी प्रशिक्षण
28	General Knowledge, Reasoning, Aptitude.	