

No -940-E/69/PQ/P3
Dated. 01.08.2025.

Divisional Office,
Firozpur.

All SSEs/Electric General of FZR/JAT Division.

Sub: Selection for the post of JE/Elect/G Pay level-6 (GP 4200/-) against 25% promote quota in Electric General department of FZR Division & JAT 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 12 vacancies for the post of JE/Elect/General Pay level-6 against 25% Promote Quota in electric general department of FZR Division & JAT 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).
10	01	01	12	01(Category for HH)

2. Eligibility and Service conditions.

- (i) The list of senior eligible staff working as MCM in Electric General who is completed 02-year service as MCM(Level-6) of Electric General department, FZR Division & JAT Division and who are in the zone of consideration in 1:3 ratio 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 07.08.2025 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://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 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 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.

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

(x) 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	04.08.2025
2.	Submission of certificate by Electric department along with list of unwilling employees	12.08.2025
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. Sr. DEE/G/FZR & JAT
2. 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
3. Ch.OS/OS, Confidential cell, Firozpur Division
4. Divl. Secy./NRMU/ORMU, SCSTREA & OBCREA of FZR Division
5. Control Office, Firozpur Division
6. RRC/NR's website (<https://rrcnr.org>)



Annexure-1

List of staff working as MCM in Electric General department who are eligible for the CBT/TBT for the post of JE 25% against promote Quota.

Sr. No.	Name	Father' Name	Design.	Stn.	Cat.	D.O. B	D.O. A	D.O. P	Remark
01	Ray Singh Meena	Sugriva Meena	MCM/ OE&P	JUC	ST	05.07.66	22.03.93	25.01.10	
02	Behari Singh	Suraj Singh	MCM/TL	ASR	ST	03.02.66	13.10.88	27.08.10	
03	Bhushan Karkta	J. Karkta	MCM/TL	LDH	ST	13.12.69	17.11.89	01.01.11	
04	Kaushal Kumar	Ram Nath Singh	MCM/AC	JAT	ST	03.02.75	01.03.93	01.11.13	
05	Sanjeev Soni	Raj Kumar	MCM/AC	JUC	UR	28.10.69	15.01.91	01.11.13	
06	Vinod Kumar	Sat Pal	MCM/AC	FZR	UR	29.10.65	02.08.65	01.11.13	
07	Surjit Kumar	Devi Dayal	MCM/ Lineman	PTK	SC	15.11.69	08.05.81	03.06.15	
08	Rajeev Ranjan	Dhirendra Kumar Singh	MCM/TL	LDH	OBC	22.01.89	24.03.09	24.06.15	
09	Gurial	Piara Singh	MCM/AC	ASR	SC	19.05.68	19.12.88	18.08.15	
10	Tirath Singh	Milkha Singh	MCM/ OE&P	ASR	SC	06.06.72	28.07.94	08.09.15	
11	Kewal Kumar	Chanan Ram	MCM/ OE&P	JUC	OBC	13.09.69	09.09.96	08.09.15	
12	Rakesh Kumar	Hira Lal	MCM/AC	ASR	UR	22.08.66	16.12.88	01.09.16	
13	Rajesh Kumar	Jagdish Lal	MCM/ Lineman	LDH	SC	30.04.71	01.09.93	01.09.16	
14	Jagtar Singh	Lalman	MCM/ Lineman	JRC	ST	25.01.70	24.03.93	01.09.16	
15	Narinder Pal Singh	Harbans Singh	MCM/ Lineman	UHP	SC	10.10.76	17.02.96	01.09.16	
16	Raman	Barkat	MCM/ Lineman	PTK	SC	23.01.81	05.11.98	01.09.16	
17	Nand Kishor Meena	Ram Rattan Meena	MCM/PO	JAT	ST	01.01.66	20.03.93	01.09.16	
18	Kanwar Singh Meena	Jagan Nath Meena	MCM/PO	JAT	ST	18.06.66	23.03.93	01.09.16	
19	Parma Nand	Gian Chand	MCM/PO	FZR	SC	18.05.74	26.08.96	01.09.16	
20	Kumar. Reeta	Ram Lal	MCM/PO	ASR	SC	17.02.74	02.01.97	01.09.16	
21	Puran Chander	Vash Dev	MCM/ OE&P	ASR	UR	20.06.74	27.07.94	01.09.16	
22	Kuldip Kumar	Dev Kumar	MCM/ OE&P	ASR	SC	13.08.79	10.06.98	01.09.16	
23	Balraj Singh	Kishan Lal	MCM/AC	ASR	SC	15.04.73	29.12.99	01.09.16	
24	Harbhajan Singh	Beant Singh	MCM/AC	ASR	UR	16.11.75	25.02.95	01.09.16	
25	Ram, Chand	Mathura	MCM/AC	ASR	UR	04.10.75	06.05.95	01.09.16	
26	Arvinder Singh	Mohinder Singh	MCM/AC	FZR	UR	15.08.68	16.08.95	01.09.16	
27	Ajay Sharma	Baldev Raj	MCM/AC	JUC	UR	28.02.72	22.01.99	01.09.16	
28	Sunil Kumar	Subhash Chand	MCM/AC	ASR	UR	18.01.81	22.01.99	01.09.16	
29	Balbir Singh	Parkash Chand	MCM/AC	JAT	SC	30.03.66	28.07.89	01.09.16	
30	Raj Kumar	Ram Lubhaya	MCM/AC	ASR	UR	20.02.67	16.12.88	01.09.16	
31	Ram Lal	Jhaloo Ram	MCM/TL	FZR	SC	01.05.74	12.04.95	01.09.16	
32	Gurmail Singh	Bachan Singh	MCM/AC	JAT	SC	10.06.66	03.01.89	01.09.16	
33	Rajesh Kumar	Hari Kishan	MCM/TL	ASR	SC	11.11.68	18.07.95	01.09.16	
34	Amar Singh	Hazari Lal	MCM/AC	JAT	ST	14.12.66	27.03.92	01.09.16	
35	Surjan Singh	Bansi Lal	MCM/AC	ASR	ST	20.06.68	09.11.89	01.09.16	
36	Chaman Lakra	Sanchiar Lakra	MCM/TL	JAT	ST	17.12.65	18.11.89	01.09.16	

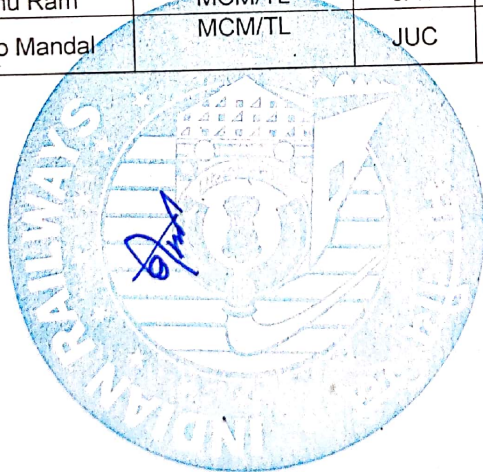
The list of senior eligible staff working as MCM in Electric General department (Level-6) of Elect/G/Department FZR division & JAT Division and who are in the zone of consideration in 1:3 ratio basis on their seniority as above.

171

Annexure-II

Standby List

1	Ranjit Singh	Harbhajan Singh	MCM/AC	JUC	UR	08.11.68	18.12.88	01.09.16
2	Ramesh Kumar	Puran Chand	MCM/AC	JAT	UR	11.06.72	22.12.89	01.09.16
3	Suman Kumar	Harnam Singh	MCM/TL	ASR	UR	28.03.73	31.05.94	01.09.16
4	Shatrughan Bhardwaj	Joginder Paul	MCM/TL	ASR	UR	19.01.75	31.05.94	01.09.16
5	Jaswinder Singh	Surjan Singh	MCM/TL	ASR	SC	17.11.75	15.07.94	01.09.16
6	Harmeet Singh	Mohinder Singh	MCM/AC	ASR	UR	14.12.67	29.12.88	01.09.16
7	Rakesh Kumar Bittu	Kasturi Lal	MCM/AC	LDH	UR	14.12.67	22.02.89	01.09.16
8	Atam Jit Singh	Harjit Singh	MCM/AC	LDH	UR	01.01.68	16.12.88	01.09.16
9	Om Parkesh	Amar Singh	MCM/TL	ASR	UR	27.07.76	26.08.97	01.09.16
10	Ranjeet Singh	Gurbachan Singh	MCM/TL	JUC	SC	11.02.70	25.05.94	01.09.16
11	Rajbir Singh	Jagat Singh	MCM/TL	BJPL	UR	15.06.72	31.05.94	01.09.16
12	Surinder Kumar	Sat Narian	MCM/TL	SVDK	SC	15.06.74	31.05.94	01.09.16
13	Satpal Singh	Jasbir Singh	MCM/TL	ASR	UR	21.08.76	09.02.95	01.09.16
14	Sanjeev Kalra	Chander Parkesh	MCM/TL	PTK	UR	21.12.72	25.04.95	01.09.16
15	Jaswant Singh	Mukhtiar Singh	MCM/TL	ASR	SC	31.03.70	20.04.96	01.09.16
16	Arun Kumar	Panjab Singh	MCM/TL	ASR	UR	07.06.73	11.05.95	01.09.16
17	Sandip Kumar	Dina Nath	MCM/TL	Elect/C NL	UR	21.08.75	03.08.95	01.09.16
18	Hem Raj	Churu Ram	MCM/TL	BJPL	UR	05.05.74	11.01.96	01.09.16
19	Kuldeep Raj	Kartar Chand	MCM/TL	PTK	SC	02.10.68	17.01.90	01.09.16
20	Yash pal	Ram Lubhaya	MCM/TL	LDH	SC	25.10.80	30.05.98	31.08.17
21	Naresh Kumar	Amin Lal	MCM/TL	FZR	SC	17.10.67	12.02.99	31.08.17
22	Sarbjit Singh	Mohan Singh	MCM/TL	ASR	SC	07.05.80	12.09.99	31.08.17
23	Mohan lal	Dhani Ram	MCM/TL	JAT	ST	06.01.70	20.11.89	01.09.16
24	Arun Kumar	Chiknu Ram	MCM/TL	JAT	ST	11.11.84	27.04.04	31.08.17
25	Vimal Kumar Mandal	Herdeo Mandal	MCM/TL	JUC	ST	21.01.85	22.03.07	31.08.17



SYLLABUS FOR THE SELECTION IN THE CATEGORY OF JE (ELECT.)**I. GENERAL POWER SUPPLY:**

- a. **BASIC ELECTRICAL UNITS:** Definitions and their relations, Volts, Amperes, Ohm, Capacitance, Impedance, Resistance, Series & Parallel connections.
- b. **ELECTRICAL MEASURING INSTRUMENTS & MEASUREMENTS:** Types of Electrical measuring Instruments and their applications, AC, DC instruments, their connections, arrangements, types, latest instruments.
- c. **ELECTRICAL MACHINES:** Various types of Motor viz. single phase and three phase induction motors, Generators/Alternators, their constructions, various parts, their functions and connections. Starters for motors, application of various types of motors.
- d. **TRANSFORMERS:** Power transformers, distribution transformers, Parallel operation of 3 phase transformers, Current transformers, Voltage Transformers, Transformation ratio functions, simple calculations, capacity rating, current voltage ratios.
- e. **CABLES:** Types, Grades construction, usage, rating, capacity, methods of laying underground and overhead cables, Fault detection, Methods of laying cables across Railway tracks, testing and commissioning.
- f. **WIRING:** Types and various accessories, testing types and various accessories, Quarter wiring/ Stair case wiring, commissioning, grades & capacity of wires used and safety equipment. Types, mechanism and proper rating of MCB, MCCB, RCCB, RCBO.
- g. **TRANSMISSION OF ELECTRICAL ENERGY:** Knowledge of 33 KV and 11 KV overhead and underground cables.
- h. **INSULATION MATERIALS:** Knowledge of various insulation methods, grades, insulation, types, compounds, break down values and units of measurements.
- i. **LIGHTING FITTINGS:** Various types of lights in stations, yards and other railways installations. High masts and their parts, various Lighting poles.
- j. **TOOLS & PLANT:** Knowledge of various tools used for electrical works and measuring testing instruments and knowledge of their use.
- k. **CONTROL SWITCHGEAR:** Knowledge of various control equipment, their purpose. grade, rating, capacity, various types of switches for LT & HT circuit.
- l. **SUB-STATION and EARTHING:** Layout of 33 KV, 11 KV substations. Protective equipment and maintenance schedule. Record keeping, procedures for arranging permit to work etc. Basics of earthing, Types of earthing, earthing values of various installations. Metering, Billing and Tariffs.
- m. **SAFETY PRECAUTIONS AND FIRST AID:** Precautions to be taken while working in electrical installations. Action to be taken in case of accidents viz. CPR, first aid. Firefighting and use of fire extinguishers in case of electrical fires.
- n. **PUMPS:** Types of pumps used in railway installations, their construction, names of various parts, efficiency rating, capacity, suction, delivery head, erection, testing

& commissioning. Pressure gauges, control valves, strainer foot valve, precautions for starting, safety equipment & protection arrangement, trouble shooting and remedies.

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.

BATTERIES: Type of batteries, construction, knowledge of charging and discharging their maintenance, checking of Specific gravity, Precautions to be taken while maintenance.

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.

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.

DG Sets: Basics of DG sets, Latest CPCB norms of DG sets, Basic operation and maintenance of DG sets.

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

- Tenders & Contracts

• 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:

- a) D&AR Rules: Various definitions, the applicability, suspension and issue of minor penalty charge sheet, appeals
- b) HOER Categories, 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 etc.
- g) Basics of RTI and Disabilities Acts and our obligations & responsibilities.
- h) Establishment powers of JE & SSE in open line.

6. COMPUTER FUNDAMENTALS:

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

8. राजभाषा

- 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 प्रोत्साहक / पुरस्कार योजनाएँ,
- f. हिंदी प्रशिक्षण

9. General Knowledge, Reasoning, Aptitude.