



Modern Coach Factory, Raebareli

Office of the
General Manager (P)

No.: MCF/RBL/NG-I/Prom/JE/S&T/PQ/30%

Date : 12.12.2022

NOTIFICATION

Sub.: Selection for filling up the vacant 01 (UR=01, SC=00, ST=00 & PwBD=00) post of JE/S&T/PQ/30% in Pay Matrix, Level-6 (G.P.-4200/-) against Departmental Promotion Quota.

- Ref.: i) Railway Board's L.No. E(NG)I-2008/PM1/15 dated 03.09.09. (RBE No. 161/2009)
ii) Railway Board's L.No. PCVI/2011/IC1 dated 12.09.2013 (RBE No. 95/2013)
iii) Railway Board's L.No.E(NG)I-1999/PM7/3 dated 24.02.2014 (RBE No. 21/2014)
iv) Railway Board's L.No. E(MPP)/2009/3/12 dated 26.09.2011 (RBE No.130/2011)
v) Railway Board's L.No. E(NG)I-2018/PM1/4 dated 14.12.2018 (RBE No. 196/2018)
vi) Railway Board's L.No. E(NG)I-2018/PM1/4 dated 14.06.2019 (RBE No. 97/2019)
vii) Railway Board's L.No. E(NG)I-2018/PM1/4 dated 14.11.2019 (RBE No. 194/2019)
viii) Railway Board's L.No. E(NG)I/2019/PM1/20 dated 19.12.2019 (Master Circular-31)
ix) Railway Board's L.No. 88-E(SCT)I/42/2 dated 08.04.1991 (RBE No. 71/91)
x) Railway Board's L.No. E(NG)I-75-PM1-44 dated 31.05.1982

It has been decided to hold a selection for forming a panel of 01 (UR=01, SC=00, ST=00 & PwBD=00) nos. of post of JE/S&T/PQ/30% in Pay Matrix, Level-6 (GP-4200/-) against 30% Departmental Promotion Quota in Signal & Telecommunication Department.

No. of Post: 01 (UR=01, SC=00, ST=00 & PwBD=00)

1. Staff in category/grade of Sr. Technician in pay Level-6, GP-4200/- working in S&T Department with 02 years of regular service on the date of notification are eligible for above selection in order of seniority. If Sr. Technicians in pay Level-6, GP-4200/- are unwilling to seek promotion in this selection, or requisite number of eligible Sr. Technicians are not available, then Tech-I in Pay Level-5, GP-2800/- who have completed two years regular service, will be considered eligible for above selection in order of seniority. Senior most candidates will be called for selection on 1:3 formulas as per inter-sc-seniority amongst the candidate, who will opt to appear in the selection.

Note :-

(1) Master Circular-31 Para-7.1 (C): The conditions of two years minimum service has to be satisfied at the time of actual promotion. Thus, in the case of a Selection Post, all employees who are regular in the relevant lower grade and come in the zone of consideration according to 3x formula can be considered according to the procedure laid down for selection but a person, who is empanelled, can actually be promoted only when he completes two years service in the immediate lower grade.

(2) Master Circular-31 Para-7.1 (Note-1) : A Junior is eligible for promotion to the relevant next higher grade, his senior also will be eligible for such promotion even though he might not have put in a total of two years service in the immediate lower grade.

{Authority: Rly. Board' Letter No.PCVI/2011/IC1 dated 12.09.2013 (RBE No. 95/2013), L.No. E(NG)I-1999/PM7/3 dated 24.02.2014 (RBE No. 21/2014) & Master Circulr-31 Para-7.1}

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Mees
12.12.22
APC/S
सहायक कार्मिक अधिकारी
Assistant Personnel Officer
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli

2. The list of probable candidate coming under zone of consideration is included as main list "A" in Annexure-I. In case any of the candidates has objection in the eligibility list, the same may be reported on this office within 15 days from the date of issue of this notification.
3. The willingness/unwillingness to appear in the above selection must be submitted by 30.12.2022 to the undersigned in the prescribed proforma enclosed as Annexure-II. In case unwillingness of some of the employees listed in Annexure-I to appear in the subject selection is received, a second list "B" of eligible employees will be issued calling for willingness to make up the short fall of eligible candidates as per 1:3 formula.
4. Empanelled candidates in the above written selection will be required to undergo medical examination, if required and will have to undergo training for a period of 4 weeks as prescribed for DP Quota at TTC, which is mandatory, failing which name will be deleted from the panel. During the training period they will get the salary/stipend as admissible under extant rules. {Authority: Rly. Board's L.No. E(MPP)/2009/3/12 dated 26.09.2011 (RBE No. 130/2011)}
5. Candidates who will pass in the final examination after the above training will be promoted as JE/S&T in Pay level-6 (GP-4200/-) and posted against working post as per vacancy.
6. Examination will be held in the form in written test. The time of written examination will be 120 minutes and all the question will be of objective type, out of which 10% questions will be from the Rajbhasha. There shall be no negative marking for incorrect answer. There will be supplementary examination for those who fail to appear in the written examination for valid reasons and circumstances beyond their control. Such candidates will have to submit application within three days of the written examination with documentary evidence. Their candidature for supplementary examination will be decided by the competent authority on merit of the case. {Authority: Rly Board's Letter No. E(NG)I-2018/PM1/4 dated 14.12.2018 (RBE No. 196/2018), L. No.E(NG)I-2018/PM1/4 dated 14.06.2019 (RBE No. 97/2019), L.No. E(NG)I-2018/PM1/4 dated 14.11.2019 (RBE No. 194/2019) & Master Circular-31 Para-7.3}
7. Above Selection will comprise of written examination followed by scrutiny of service record and APARs of the candidate who will qualify in the written test. The candidate must secure 60% of marks in professional ability as well as in the aggregate. There is no reserve post of SC/ST. Therefore, no relaxation in qualifying marks for candidates belonging to SC/ST community will be allowed. They have to obtain minimum of 60% in written test and 60% in aggregate on par with UR employees for empanelment against UR vacancies. The panel will be formed in order of seniority following instructions issued by Railway Board from time to time in this regard. (Authority: Master Circular-31 Para-8)
8. The date, venue and time of written examination will be intimated separately. All the willing candidates are advised to keep themselves in readiness to appear in the written test at a short notice.


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12.12.22

APPO/ST/ST/ST
सहायक वॉर्मिक सि. ऑफिसर-2
Personnel Officer
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareilly

9. The syllabus of the written examination for this selection is enclosed herewith as per Annexure-III
10. The Incharge/Controlling Officers of the candidates listed in Annexure-I are requested to circulate the notification for wide publicity amongst the staff working under their administrative control.
11. This Notification is also available on MCF/RBL Website <https://mcf.indianrailways.gov.in/>

DA : As above.


(D.S. Mehta) 9-22
Assistant Personnel Officer (Staff)
MCE, Raebareilly
आयुक्तिक रेल डिजा कारखाना, रायबरेल
Modern Coach Factory, Raebareilly

Copy to :-


1. Secy. to GM/MCF/RBL : for kind information to GM/MCF/RBL.
2. CME/IT, MCF/RBL.
3. Dy. CME/S&T, MCF/RBL.
4. PS to PCPO : to upload in the website of MCF/RBL(<https://mcf.indianrailways.gov.in/>)
5. Principal/TTC/MCF/RBL
6. All Notice Boards of Main Admin. Mini Amin & Shop Floor.
7. General Secy/SC/ST Association, General Secy./OBC Association/MCF/RBL.
8. CS&WLI, S&WLI/MCF/RBL.

Annexure-I

Probable list of candidate under zone of consideration for selection to the post of JE/S&T/PQ/30% in Pay Matrix, Level-6 (GP-4200/-) against Departmental Promotion Quota in S&T Department under 1:3 formula.

List 'A'

| S N | Emp. No. | Name of Emp. (S/Sh.) | Father's Name | Cat. | DOB | DOA (Regular) | Design./ (Grade Pay) | DOP in Present Grade | DOJ in MCF/RBL | Remarks |
|-----|--------------|----------------------|------------------------|------|------------|---------------|----------------------|----------------------|----------------|--|
| 01 | 520000501964 | V.K. Srivastava | Ram Ji Lal Srivastava | UR | 15.05.1974 | 26.05.1999 | Sr. Tech. 4200/- | 30.12.2017 | 17.07.2013 | --- |
| 02* | 52000453290 | Rohit Mishra | Krishna Chandra Mishra | UR | 02.07.1978 | 29.01.2007 | Sr. Tech. 4200/- | 08.05.2021 | 12.12.2012 | Two years of service in the immediate lower grade is not completed |
| 03* | 52000050230 | Mahendra Singh | Jiyalal | SC | 15.06.1987 | 15.05.2014 | Sr.Tech. 4200/- | 27.10.2022 | 15.05.2014 | (Provisional Eligible) |


 सहायक पर्सनल ऑफिसर
 Assistant Personnel Officer
 आधुनिक रेत डिजाइन कारखाना, रायबरेली
 Modern Coach Factory, Raebareilly

Willingness/Unwillingness Proforma

Sub: Application for appearing in the written examination for Selection to the post of JE/S&T/PQ.
in Pay Matrix Level-6 (GP-4200/-) against 30% Departmental Promotion Quota.

Ref: Notification No. MCF/RBL/NG-1/Prom./JE/S&T/PQ/30% dated 12.12.2022

I express my willingness/unwillingness to appear in the written examination for promotion to the post of Junior Engineer/S&T/PQ in Pay Matrix Level-6 (GP-4200/-) against Departmental Promotion Quota.

Signature:

Name:

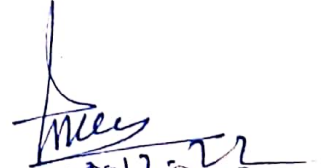
Emp. No.:

Desig./Deptt.:

Date:

**Signature of the Controlling Officer
With designation and date.**

APO/Staff



सहायक वाणिज्यिक अधिकारी
Assistant Personnel Officer
आधुनिक रेल डिया कारखाना, रायबरेली
Modern Coach Factory, Raebareli

Syllabus for selection (Departmental Exam) of Junior Engineer/Tele/L-06.

1. **Basic Electricity & Electronics:** Structure of atom, concept of flow of electrical energy through matter conductors, Semiconductors and Insulator. Ohm's Law, resistance, Transformer, capacitor, inductor, Impedence and mutual induction impurities and doping of P-type and N-type of Semiconductor, P-N junction, P-N-P and N-P-N transistors. Types of amplifiers, Measuring instruments and meters.
2. **Logic Circuit and Binary Arithmetic:** Concept of Boolean algebra and Binary logic, AND, OR, NOT, NAND, NOR and Ex-OR (Exclusive-OR) gates & their truth tables. Construction of gates from basic semiconductor elements (Diode, Transistor and Resistance etc.) Conversion of number from decimal to binary and vice versa. Binary addition, Binary subtraction, Binary multiplication and binary division.
3. **Electronic/IP Exchange & Working Principle:** Pulse Code Modulation: Sampling theorem and its application to voice signals, digitization and encoding.
4. **Modern Telecom Equipments-** like OFC, STM, Railnet Networking, Networking Switches, GPS system, CCTV system, PDH, SDH, DSLAM Equipments, Modems, Routers, Mobile communication.
5. **Power Plant:** Primary and Secondary batteries, Different types of faults and its remedies in case of secondary cells, Initial charging of lead acid secondary cell, knowledge of Battery chargers, eliminator and Earthing of equipments, UPS.
6. **Wireless Communication:** HF, VHF, UHF & Microwave communication planning, Installation, Maintenance and testing, Brief knowledge of wave guide, directional coupler, Multiplexing. Different types of antenna used in wireless communication, microwave survey. Fault finding in wireless equipment, Wi-Fi, Satellite communication system, VSAT.
7. **Public Address System & Disaster Management:** Planning of PA installation, Video conference system, detail of equipment used including different type of micro-phones, loudspeaker, record player and tape recorder and their accessories. Basic concept of sound communication system. PRS and Passenger information system.
8. **Cables:** Types of telecom & Internet cables, RE Cable & their characteristics, cable conductor and it's loop resistance, construction & laying of underground cables, Jointing, Testing and commissioning and Tracing various types of faults. Optical fibre cable and its specifications.
9. **Official Language:** Basic Knowledge of Rajbhasha language policy and rules. Brief Knowledge of Establishment, Stoes & Accounts matters.
10. **ART and ARME-basic knowledge.**
11. **Land Line Communication:**
 - a) Principle of Electronic exchange, different types of electronic exchange used in Railway alarm system special facilities.
 - b) Principle of digital communication.
 - c) Measuring instrument in Tele Communication circuit.
 - d) Estimate preparation for Tele Communication assets on Railways.
 - e) OFC system and MPLS.

[Signature]
Dy. CME/IT and S&T

CME/IT- For approval please.

[Signature]
26/11/22

