

SOUTHERN RAILWAY

No.M/P(S&T)/IX/608/JE/LDCE/CCBT

Divl. Rly. Manager's Office,
Personnel Branch,
Chennai Division,Chennai-3.
Dt: As signed.

NOTIFICATION NO.02/2025

Sub: Selection for the post of Junior Engineer/ Telecom wing 20% LDCE Quota of S&T Department in Level 6 of VII PC Pay Matrix through CCBT.

It is proposed to fill up one vacancy in the category of Junior Engineer/ Telecom wing in Level 6 of VII PC Pay Matrix in S&T Department of MAS Division against 20% LDCE Quota by calling volunteers from the eligible employees through CCBT.

The breakup of vacancy is detailed below.

Category	UR	SC	ST	Total	Incl. PwBD
JE/Telecom Level -6	1	Nil	Nil	1	LD category – OA, OL, DW, AAV.

The eligibility conditions and selection process is as under:

1.	Application	Technician Gr.III and above in the Telecom Wing of MAS Division, fulfilling the following eligibility criteria as on the date of issue of notification are advised to submit their application through online in the link given below:- https://www.pbmas.in/notifications/
2.	Eligible staff to apply	Technician.Gr.III and above in categories of Technicians/Telecom of Telecom Wing of MAS division, with the following Educational Qualification & Service conditions as on the date of issue of notification are only eligible to apply.
3.	Educational Qualification	A) Technicians having the qualification of ITI/Act Apprenticeship in trades relevant for eventual absorption to the post of JE/Telecom(RBE 145/2003) or 10+2 in Science stream with Physics and Mathematics or B) Technicians having the qualification of Degree or Diploma in the relevant branch of Engineering (RBE 127/2003) C) The relevant branches of Engineering for JE/Telecom –Three years diploma in - (a) Electrical/Electronics/Information Technology/Communication Engineering/Computer Science & Engineering/Computer Science/Computer Engineering (OR) (b) a combination of any sub stream of basic streams of Electrical/ Electronics/Information Technology/Communication Engineering/ Computer Science & Engineering/Computer Science/Computer Engineering from a recognized university/ Institute. (RBE 07/2019).

4.	Age	Employees should not be more than 47 years of age as on the date of issue of notification . The upper age limit for SC/ST employees would be 52 years as on the date of issue of notification.
5.	Service Conditions	Employees possessing three years of service as on the date of issue of notification as Technician Gr.III/Telecom and above of S&T department of MAS Division only are eligible to apply. Training period before appointment to service is to be counted as service for purpose of appearing in the departmental exam only (RBE 102/2019). However, as per the clarification of PCPO/MAS letter No.P(R) 673/P/Training/Vol.VI dated 04.10.2021, XII Std (Science stream) is a non-technical higher qualification, as such, the three year training period will not count for the qualifying service of 3 years for JE Examination against LDCE Quota.
6.	Staff joined on request transfer on bottom seniority in this Division	Service rendered by them in the old unit will be reckoned for determining their eligibility in the new unit subject to - <ul style="list-style-type: none"> • The condition, that the service so allowed to be counted does not exceed the length of service of their immediate senior in the new unit (RBE 34/2006) • He/She is otherwise eligible to be considered for the selection to Group 'C' posts as per the extant rules, and the category in which he/she was working in the old unit is an eligible category for the selection/post in the new unit also (RBE 99/2006)
7.	Cut-off date	The cut-off date for determining the eligibility of the employees will be as on the date of issue of notification.
8.	Syllabus	The syllabus prescribed for selection to post of JE/Telecom against 20% LDCE Quota is enclosed as Annexure –I. (PBC 276/2024)
9..	Pre-Promotional Training	As the vacancy is not earmarked for SC/ST community, there will be no Pre-promotional training.
10.	Mode of Selection	The selection shall consist of Written examination and perusal of Record of Service. All the staff who have volunteered and fulfil the eligibility conditions prescribed thereon would be subjected for the written examination. The candidate should obtain a minimum of 60% marks in Professional ability for being considered for further selection process of perusal of Service Record. The post of JE/Telecom being classified as safety category post, there is no relaxation in qualifying marks for employees belonging to the category of SC/ST and hence they are also required to secure 60% marks in the written examination.
11.	Written examination	(i) The selection consists of written test as per Board's letter No.E(NG)/1/2018/PM1/4 dated 14.12.2018 (RBE 196/ 2018). The Question Paper will be 100% Objective type multiple choice questions.

		<p>(ii) In terms of PBC.No.205/2016, 10% of the total marks will be set on Official Language Policy and Rules. But the questions on the same will not be of compulsory in nature and is purely optional.</p> <p>(iii) In terms of PCPO/MAS Letter No.P(R)608/P/Vol.XV(OL);Dt:28.06.2019 the Question Papers will be in trilingual (English/Hindi & Tamil language) for the selection.</p> <p>(iv) 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.</p> <p>(v) The written examination will be conducted in Centralized Computer Based Test mode. (PBC 02/2025)</p> <p>(vi) Electronic devices will not be allowed inside the examination hall and the violators of the above guidelines will be taken up under DAR.</p> <p>(vii) In terms of Para 3 of RBE No: 122/2023 in case of the question(s)/answer(s) in the Questions paper are incorrect, the procedure as prescribed in the RB letter No. 2010/E/(RRB)25/27 dated: 09.06.11 is to be adopted only for those candidates who have attempted that/those incorrect question(s) or question(s) with wrong answer(s).</p>
12.	Supplementary written examination	There will be no supplementary examination.
13.	Medical Fitness	Fitness in AYE THREE medical classification is mandatory for the post of JE/Telecom.
14.	Procedure for Drawal of Panel	The final panel will be drawn in the order of merit (PBC 14/2014) based on aggregate marks of 'Professional Ability' and 'Record of Service (PBC 50/2006). However, a candidate must secure a minimum of 60% marks in the Professional ability and 60% marks in the aggregate for consideration of placement in the panel and the final empanelment is subject to availability of vacancies. As the panel will be drawn on the basis of merit, there will be no classification as "Outstanding".
15.	Training after empanelment	The empanelled employees should undergo training for prescribed period (RBE 42/2020).

16. How to Apply:

Employees should submit their applications “on-line” in the portal in the Chennai Division website through the link <https://www.pbmas.in/notifications/> and forward through proper channel.

Opening date for On-line registration:31.01.2025

Closing date for On-line registration:25.02.2025

Please note that the physical applications (in paper format) will not be accepted and will be rejected summarily.

The method of submitting the application:

1. Employee should fill in the details in the On-line portal in the prescribed proforma/format.
2. After completely filling the application, the application should be downloaded and forwarding signature of the supervisor should be obtained on the downloaded application.
3. After this the application should be scanned and uploaded in the website.
4. Employee should upload relevant document with the application at the time of submission.
5. Applications should be submitted in the prescribed format.
6. Applications without signature (or) with signature in capital letters, Incorrect/ applications without valid enclosures will be considered as invalid applications

In case the application is not uploaded after obtaining the signature of the supervisor, it will be considered as “**Unwillingness**” of the employee and the name of the employee will not be considered further. It shall be the responsibility of the supervisor concerned to give Wide publicity about the notification including those who are working outside the division on temporary transfer/Deputation etc whose lien is in MAS Division, as well as those who are either on Leave or on Sick List.

17. Enclosure to the Application to be uploaded:

- (i) Attested photocopies of all educational certificates (X, XII, Diploma,ITI,Act Apprenticeship Degree, etc.)
- (ii) Attested copy of community certificate of employees belonging to SC/ST community.
- (iii) Attested copies of Railway week awards received during the last three years.
- (iv) Details of Charge sheet/Penalties imposed if any.
- (v) In case of PwBD employees, Disability certificate for 40% and above should be uploaded alongwith the application.

18. General Instructions:

After scrutiny the list of eligible employees to appear in the selection will be notified in the website. Hence the employees must be keep a constant watch to get the updates. It shall be noted that on submitting application, the employee becomes equally responsible for ascertaining his eligibility and appearing in the Written examination, if eligible, etc. Hence, they have to watch the updates at frequent intervals, which will be posted in the website (www.pbmas.in) regarding the selection. This notification is also available in Chennai Division, Personnel Department website at railnet.

Tentative Schedule		
Sl. No	Details	Schedule
1.	Final date for submission of application	Latest by 25.02.2025
2.	Publication of eligibility list	Latest by 10.03.2025
3.	PPT	To be conducted between 16.03.2025 to 30.04.2025
4.	Notification of Final number of vacancies taking into account unfilled vacancies in PQ if any	Latest by 20.05.2025
5.	Written Examination	21.05.2025 to 10.06.2025
6.	Finalization of Panel	Latest by 30.06.2025

Encl:Syllabus

(J.Jarna Singer)

Asst. Personnel Officer/MAS (L/A)
/Sr.Divl. Personnel Officer/MAS

Copy To: PCPO/MAS, PCSTE/MAS

CSTE/Projects & CSTE/CN/MS(incl.RE)

PS to DRM

CVO/MAS.

Sr.DSTE/CoOrd/MAS

Sr.DSTE/II/MAS-- for information

All Supervisory officials –For nec. Information & notice board display.

JE/IT- For uploading in website.

Employees concerned through supervisory officials,

Ch.OS/Estt/S&T Branch,

DS/SRMU, DS/DREU,

DS/ AI-SC/ST-REA,

DS/ AI-OBC-REA.

For kind inf please.

JE/TELE (PQ/LDCE)

SYLLABUS FOR THE EXAMINATION FOR SELECTION TO THE POST OF JE(TELE)

The question papers for the examination will consist of following Items:

1. General Rules & Safety
2. Train Control Communication
3. Optical Fibre Communication & Quad Cable
4. Exchange
5. Data Communication & Security
6. Mobile Train Communication
7. Other Communication
8. Passenger Amenities
9. Power Supply and Lightning Protection
10. Stores, Establishment & Accounts Matters
11. Official Language- Policy and Rules

1. General Rules & Safety:

1.1. General:

- a. Organization Structure of Railways and S&T Department.
- b. Organization Structure of S&T.
- c. Must have adequate knowledge of all working rules, manuals circulars, check list and procedures including General and subsidiary Rules(Means of communication & Total interruption of communication .etc).
- d. Block working manual.
- e. Railway Accident Manual.
- f. Telecom Manual.
- g. RE practices.
- h. Schedule of Dimensions.

1.2. Safety :

- a. Passenger Safety by duly following Safe working Rules.
- b. Personal safety while working on the Railway Track, RE area, LC gates.
- c. Fire Safety-Automatic Fire Detection & Suppression System.
- d. First aid and cleanliness.
- e. Knowledge of Hand signals.

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- f. SOD for telecom.
- g. Disconnection / Reconnection.
- h. Disaster Management:
 - (i) Vital communication facilities at the accident site.
 - (ii) ART/MRV communications..
 - (iii) EMC/Portable communication.
 - (iv) Call Centre.

2. Train Control Communication:

- a. Control Communication
- b. Types of control circuits in Railways, DTMF
- c. Headquarters equipments/ Way station equipments
- d. Power supply arrangements
- e. Routine tests
- f. EMC-Portables telephones
- g. RE/Non RE/OFC controls
- h. Radio patching.
- i. Digital Voice Recorders
- j. Hot line telephone arrangement communication to LC and yards.
- k. LC gate magneto communication
- l. Electronic Gate telephone
- m. Voice Logger for Control Communication
- n. VoIP over TCCS

3. Optical Fibre Communication & Quad Cable:

- a. Specification of cables, Types, cable construction.
- b. Cable laying procedure/Protection.Termination.
- c. Splicing.
- d. Power budgeting, Testing and measurements.
- e. Measuring instruments.
- f. OTDR Fault localization.STM 1,4,16, SDH equipment (Installation & Maintenance)
- g. PD-MUX
- h. Power supply requirement.
- i. 6 quad cable and derivation cables.
- j. Laying practices in the RE & NON RE area.
- k. Precautions.
- l. Cable Joints/Terminations.

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- m. Block working in Quad cables and OFC.
- n. Testing - Measuring instruments (Multimeter, Voltmeter, Cable Meggering equipment, Hydrometer, Earth tester).
- o. Fault localization/Restoration, Cable fault locator, Cable route tracer.

4. Exchange:

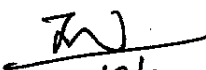
- a. ISDN Exchanges, Digital Exchanges, Mini Exchanges, Electronic Exchanges.
- b. IP Exchanges
- c. VoIP Asterisk based Exchange
- d. Planning-Installation - maintenance.
- e. Exchange U/G cable laying, terminations, Testing, Fault tracing.

5. Data Communication & Security:

- a. TCP/IP & Networking
- b. DATA modem, Routers, Hub, Firewalls, switches Statistical MUX, servers, DSL modems Basic principles of Data communicating and applications.
- c. IP-MPLS
- d. Railnet
- e. PRS, UTS.
- f. FOIS & COIS
- g. Remote V-Sat terminals.
- h. Cyber Security Arrangements.
- i. Video Surveillance System, ISS
- j. Data logger based Train Information System and networking including e-TSR, COA
- k. NMS for IP-MPLS, OFC, other data circuits.
- l. E-Mail/E-office

6. Mobile Train Communication:

- a. VHF-Walkie-talkie/Base station, Power supply/charger, Antenna, Maintenance.
- b. WPC, SACFA
- c. Long term Evolution
- d. Tower design, types of towers - Maintenance.
- e. Various types of antenna & fixtures.


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- f. Measurements - Instruments.
- g. Radio patch arrangements.
- h. UHF/VHF communication system.
- i. R.F cables, I.F cable, wave guides, Coaxial cables and connectors.
- j. Power supply with charge discharge system.

7. Other Communications:

- a. CUG phones.
- b. Video Conference System, TeleConference System, TPAAS, Biometric, Periodic Maintenance and Breakdown of TVs, Monitors, Computer System, Projectors, Smart TV, Cable TV System.
- c. Auditorium conference system-Audio & Video conference.
- d. Audio, video, and data communication arrangements for VIP functions

8. Passenger Amenities:

- a. PA System: conventional/Microprocessor based types/ PC based.
- b. IPIS - PA system, TIB, CGDB and communication on trains .
- c. WiFi, POET, Touch screen.
- d. Digital clock (GPS System).
- e. NTES and DTES.
- f. IVRS.

9. Power Supply And Lightning Protection:

- a. Charger - SMPS and other types for Tele. Applications.
- b. Stabilizers of different types.
- c. UPS, DC-DC converter & inverter.
- d. Diesel generators, installation and Maintenance.
- e. Batteries- Primary and Secondary Cells.
- f. Low Maintenance cells, Valve Regulated lead acid (VRLA) Battery, Solar panels
- g. Lithium-ion, NIMH Cells.
- h. Earthing for OFC, Quad, Exchanges and other equipment-installation, measurement, maintenance.
- i. Surge protection device (SPDS) and applications.
- j. Class A, B, C protection Practices.

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10. Stores, Establishment & Accounts Matters :

- a. Workman compensation Act
- b. HOER
- c. DAR major penalties & Minor Penalties.
- d. Various types of leave rules, Pass Rules and other welfare measures.
- e. Imprest stores
- f. Consumable Stores
- g. Dead Stock , T&P maintenance & DMTR
- h. Written of stores and custody
- i. Stock verification & theft of stores
- j. Preparation of various tender, work orders, non- stock indents etc.
- k. Accounts matters including material at site accounts, completion reports etc.

11. Official Language Policy and Rules :

- a. A, B & C regions, various incentives issued for implementation of Raj Bhasha.
- b. Equivalent words in Raj Basha for certain words in English.
- c. Usage of RajBhasha in official correspondence.

**GIDDALURI
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Digitally signed by
GIDDALURI NAGENDRA
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Date: 2024.12.19
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