

Notification No: JE/LDCE 25%/EMU/ELEC/MAS/07/2025



SOUTHERN RAILWAY

No.M/P1(M)608/V/EMU/ELEC/JE LDCE

Divisional Railway Manager's Office
Personnel Department
Chennai Division
Chennai -03
31st January 2025

**All Supervisory Officials of TRS @ Emu Car Shed
Electrical Department/Chennai Division.**

Sub: Selection for the post of Junior Engineer/TRS @ Emu Car Shed in Level 6 of VII PC against 25% LDCE Quota from serving employees of TRS @ Emu Car Shed/Electrical Department.

Ref: PBC No. 02/2025 Dated 03.01.2025.

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It is proposed to fill up the following vacancies of Junior Engineer/TRS @ Emu Car Shed in Level-6 of 7thCPC pay matrix in Electrical Department/MAS Division against 25% LDCE quota by calling volunteers from the eligible Technicians Gr III and above of TRS/Electrical Department of respective EMU Car Shed of MAS Division.

Category	Level in VII PC	Community wise breakup			Total vacancy (Including PwBDS)	PwBDs
		UR	SC	ST		
JE/EMU/VLCY LDCE 25%	Level- 6	01	-	-	01*	01# (category b)
JE/EMU/AVD LDCE 25%	Level- 6	02	-	-	02*	01# (category b)
JE/EMU/TBM LDCE 25%	Level- 6	04	-	01	05*	01# (category b)

#Category D & HI- Deaf & Hard of Hearing

*The above indicated vacancies are provisional.

The eligibility conditions and selection process is as under:

1	Application	Eligible volunteers can apply <u>only through online</u> in the following link: https://www.pbmas.in/notifications/
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2	Eligible staff to apply	All the serving Technicians Gr III and above in the respective Emu Car Shed/Electrical Department with the following educational qualification and service condition as on date of issue of notification are only eligible to apply.
3	Age	The Employees should not be more than 47 years as on date of issue of notification (RBE 85/2010) The upper age limit for SC/ST employees would be 52 years as on date of issue of notification.
4	Educational Qualifications	<p>Eligible employees having the minimum Qualification of a pass in ITI/Act Apprenticeship in the relevant trade or 10+2 in Science Stream for eventual absorption to the post of Junior Engineer/TRS @ Car Shed Electrical Department. (RBE 145/2003).</p> <p>Employees having the qualification of Degree or 3 years Diploma in the relevant branch of Engineering (RBE 127/2003).</p> <p>Relevant branch of Engineering are Mechanical/Electrical/Electronic Engineering (or) a combination of any sub Stream of basic Streams of Mechanical/Electrical/ Electronic Engineering from a recognized University/Institute (RBE 92/2014)</p>
5	Service conditions	<p>Employees possessing minimum Three years of service as Technicians Gr III and above in the respective Emu Car Shed /Electrical Department as on date of issue of notification are only eligible to apply.</p> <p>In terms of RBE 102/2019, training period before appointments to service is to be counted as service for purpose of appearing in departmental exam only. As per the clarification of PCPO/MAS letter No. P(R) 673/P/Training/ Vol.VI, date: 04-10-2021,XII Std (Science Stream) is a Non-technical higher qualification, as such, the three years training period will not count for the qualifying service of 3 year for JE examination against LDCE quota.</p>
6	Staff joined on request transfer on bottom seniority in this Division.	<p>Service rendered by them in the old unit will be reckoned for determining their eligibility in the new unit subject to the condition,</p> <p>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)</p> <p>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 was working in the old unit is an eligible category for the selection/post in the new unit also. (RBE 99/2006).</p>
7	Cut off date	The cut-off date for determining the eligibility of the employees will be the date of issue of notification (RBE 117/2006).
8	Syllabus	<p>As detailed in PBC- 285/2024 Dt. 27.12.2024 and the same is enclosed.</p> <p>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>
9	Pre-selection/ training to eligible SC/ST employees	Pre-promotional training covering the syllabus of the examination to eligible 'ST' employees volunteering from Emu Car Shed/TBM (wherein ST vacancy is notified), will be imparted for a period of 3-4 weeks. (RBE 174/1997).

		<p>Pre-Promotional training will be conducted by the Controlling Officer Covering the syllabus for prescribed period for employees belonging to ST community from Emu Car Shed/TBM.</p> <p>In case if any ST employee expresses unwilling for PPT, a written declaration to that effect may be obtained and forwarded to this office for record.</p> <p>After completion of pre-selection training, a certificate is to be issued by controlling officer that all the eligible employees have been imparted the pre-selection training for a period of 3 - 4 weeks.</p>
10	Mode of selection	<p>The selection shall consist of written examination and perusal of Record of Service (RBE 165/2003).</p> <p>All the staff who have volunteered and fulfill the eligibility conditions prescribed thereon would be subjected for the written examination.</p> <p>The candidate has to obtain a minimum of 60% marks in professional ability (written examination) for being considered for further selection process of perusal of Record of Service.</p> <p>The post of Junior Engineer Electrical Department being classified as safety category post there is no relaxation in qualifying marks of employees belonging to the category of SC/ST and hence they are also required to secure 60% marks in the written examination (In terms of Railway Board's letter No. E(NG)2000/PN1/41 dated 07.08.2003).</p> <p>In terms of PBC 204/2024 the written examination will be conducted under Centralized Computer Based Test (CCBT) mode.</p>
11	Written Examination	<p>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> <p>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>In terms of PCPO/MAS Letter No. P(R) 608/P/Vol. XV(OL) dated 28.06.2019, Question Papers will be in Trilingual (English, Hindi & Tamil language) for the selection.</p> <p>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>In terms of PBC 204/2024 the written examination shall be conducted CCBT (Centralized Computer based Test) mode. The instructions for CBT will be issued in due course.</p>

		<p>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>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 letter no:2010/E(RRB)/25/27 dated:9.6.11 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 examination	There will be no Supplementary written examination, being an LDCE selection.
13	Medical classification	AYE THREE medical classification is mandatory for the post of JE/TRS @ Emu Car Shed. Those who qualify in the written examination will be subjected to Medical Examination for fitness in the requisite medical qualification.
14	Procedure for Empanelment	<p>The final panel will be drawn in the order of merit based on aggregate marks of 'Professional Ability' and 'Record of Service', being an LDCE selection, in terms of RBE 113/2009. 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 the availability of vacancies.</p> <p>As the final panel will be drawn on the basis of merit, there will be no classification as "Outstanding".</p>
15	Training after empanelment.	The empaneled employees should undergo training for prescribed period.
16	Notifying the staff	<p>Wide publicity should be given amongst staff of Technicians Gr III and above in the respective Emu Car Shed /Electrical Department of Chennai division. The copy of notification should be displayed on notice board at a conspicuous place. All the Supervisors concerned should ensure the same.</p> <p>Staff who are on deputation/leave/sick should also be notified to enable them to submit their applications through proper channel in time. It is the responsibility of the Supervisor concerned to bring the notification to the notice of staff on deputation/leave/Sick under clear acknowledgement.</p> <p>If any complaint is received from the employees for not being notified of the said notification, supervisory staff concerned will be held responsible.</p>
17	Method of Application	<p>Employees who are eligible as per the terms and conditions notified above, should submit their applications "on-line" in the portal in the Chennai Division website through the link www.pbmas.in/notifications/</p> <p>Opening date for on-line registration 01/02/2025 Closing date for on-line registration 25/02/2025</p>

		Please note that physical applications (in paper format) will not be accepted and will be rejected summarily.
18	Invalid Application	<ul style="list-style-type: none"> • Application not in prescribed format. • Application without signature or with signature in capital letters. • Incorrect application. • Application without valid enclosures. <p>Variation in the information furnished in the application versus the documents enclosed.</p> <ul style="list-style-type: none"> • Leaving any column blank in the application form. • Suppression of facts or furnishing false information in application. • Any other irregularity
19	The method of submitting application will be	<ul style="list-style-type: none"> • Employee should fill in the details in the on-line portal in the prescribed proforma/format. • After completely filling the application, the application should be downloaded and forwarding signature of the supervisor should be obtained on the downloaded application. • After this, the application should be scanned and uploaded in the website. • The employee should upload relevant document (Community Certificate in case of SC/ST, Educational Qualification Certificates, in case PwBD employee, Disability certificate for 40% and above) with the application at the time of submission. <p>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 any further. It shall be the responsibility of the Supervisors concerned to give wide publicity about this notification including those who are working outside the Division on temporary transfer/deputation etc., whose lien is with MAS Division, as well as those who are either on leave or on sick list.</p>
20	General:	<p>After scrutiny, the list of eligible employees to appear in the selection will be notified in the website. Hence, employees may 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 this selection. This notification is also available in Chennai Division Personnel Department website at Railnet.</p>

Tentative Schedule for the Selection		
Sl.	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	(whichever applicable) 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 & Aptitude Test	21.05.2025 to 10.06.2025
6	Finalization of Panel	Latest by 30.06.2025

Encl: Syllabus.

(S SANGEETHA)

Asst. Personnel Officer/III/MAS

/Sr. Divisional Personnel Officer/MAS

Copy to: PCPO/MAS
PCEE/MAS
PS to DRM/MAS
SDGM & CVO/MS
Sr.DEE/EMU/AVD
Sr.DEE/EMU/TBM
DEE/EMU/VLCY

} for kind information please.

Supervisory Officials – for necessary information & notice board display.

JE/IT – for uploading in website

Employee Concerned - Through Supervisor Officials.

Divl.Secy/SRMU.

Divl.Secy/DREU

Divl.Secy/AISC/ST REA.

Divl.Secy/AIOBC REA.



PBC No.285/2024

दक्षिणरेलवे Southern Railway
प्रधानमुख्यकार्मिकअधिकारीकार्यालय
Office of the Principal Chief Personnel Officer
प्रधानकार्यालय, कार्मिकविभाग, चेन्नै-600003
Headquarters, Personnel Department, Chennai-600003

सं/No:P(S)563/VII/Elect/TRS-PRQ & LDCE [Comp.No.520378] दिनांक/Dated:27.12.2024

All PHODs/DRMs/CWMs/CEWE/CAO/CPM/PDA/Dy.CPOs/Sr.DPOs/ Secy to GM,
Chairman/RRB/MAS, TVC, Addl.Registrar/RCT/MAS, Secretary/RRT/MAS,
Principal MDZTI/TPJ, ZETTC/AVD, ETC/PER,
DPOs/SPOs/WPOs/APOs of HQ/Divisions/Workshops/Units.

विषय/Sub: **Syllabus for the post of Junior Engineer/ Electrical/ TRS in Level-6 against 25% Promotional quota and 25% LDCE Intermediate Apprentice quota @ Loco Sheds and Car Sheds of Electrical Department.**

संदर्भ/Ref: 1) Railway Board's letter No.E(NG)/2022/PM1/36 dated 08.02.2024 (RBE No.11/2024) under PBC No.21/2024 dated 13.02.2024.
2) PCPO/MAS' letter No.P(Co-ord) CCBT/2024 dated 20.11.2024 (PBC No.253/2024).

The syllabus for the post of **Junior Engineer/ Electrical/ TRS** in Level-6 against **25% Promotional quota and 25% LDCE Intermediate Apprentice quota** approved by PCEE as under, are enclosed for information, guidance and necessary action.

- 1) Junior Engineer / Electrical / TRS (PQ) – Loco Sheds.
- 2) Junior Engineer / Electrical / TRS (LDCE) – Loco Sheds.
- 3) Junior Engineer / Electrical / TRS (PQ) – Car Sheds.
- 4) Junior Engineer / Electrical / TRS (LDCE) – Car Sheds.

This has the approval of the competent authority.

संलग्नक/Encl.: 6 pages.


(R. Rajesh Kumar)

Asst.Personnel Officer/C,M&E
for Principal Chief Personnel Officer

प्रतिलिपि/Copy to: The General Secretary/SRMU
The General Secretary/DREU
The General Secretary/AISCTREA
The General Secretary/AIOBCREA
The General Secretary/NFIR

IT Section/PB/HQ - to upload on the SR website.

SYLLABUS FOR THE POST OF JE/TRS(LDCE)/ CS

I. GENERAL:

- 1 Knowledge of English should be able to carry on- day to day correspondence, submit reports and understand departmental rules safety regulations, etc.
- 2 Should be able to prepare estimates, Schedule of materials and labour for the execution of works, should understand the drawings and sketches and be able to guide and instruct staff under him.
- 3 Should be conversant with the procedure for obtaining and accounting stores, booking of labour and maintaining muster rolls etc.
- 4 Should be conversant with Establishment matters such as DAR, Leave Rules, Pass Rules etc, departmental procedure regarding HOER, Factories Act, Booking of overtime and Stores matters etc.

II. OFFICIAL LANGUAGE POLICY AND RULES:

III. TECHNICAL:

(A). MECHANICAL:

- 1 Should know the general Mechanical principle and their applications.
- 2 Should be fully conversant with operation and the maintenance of Air compressors, pumps, hydraulic jacks, vacuum exhausters, EOT cranes, machine tools, welding plants, Lathes and other workshop machinery etc.
- 3 Should be proficient in the repairs of mechanical components of rolling stock such as bogies under cranes, axle boxes, brake gear, draft and buffer gear, body repair work etc., and be conversant in standard moving dimensions, condemning Size of wheels etc.
- 4 Should be thoroughly conversant with re-metaling of-suspension bearings and overhauling procedure of-Axle Roller bearings.
- 5 Should be conversant with the mechanical equipment such as gauges used for checking dimensions etc.
- 6 Should be conversant with work turned out in the EMU workshop and know marking, pointing, assembling, parceling, finishing carpentry and upholstery.
- 7 Should be proficient in the use of various type of paints and primers their specification and covering capacity etc.
- 8 Should be understood the drawing and specifications of mechanical components of rolling stock.
- 9 Should be fully conversant for the process of preparation of surfaces for basic and final coats of primers and paints mixing to the correct shades, prevention-against corrosion in coaches.
- 10 Should be well conversant with safety precautions, rules for safe working on Electrical equipment , GRS for 25 KV OHE traction system, TXR hand book and First aid procedure etc.
- 11 Identification of Corrosion and its related repair activities in EMU coaches
- 12 Should be conversant with the different Welding Techniques.
- 13 Should be conversant with Wheel lathe operation and checking of Wheel profile.

(B). PNEUMATIC:

- 1 Should be conversant with the working principle of Air Compressors, Air Dryer, Pantograph, Brake Cylinders, pneumatic gauges, pressure switches, safety valves & Parking brake etc. for AC EMU/MEMU & Three phase AC EMU/MEMUs
- 2 Should be conversant with working principle and maintenance of EP units, Pneumatic valves, Brake controller etc. & Brake system of EMU Coaches.
- 3 Should be conversant with the laying and repair of Pneumatic Pipe lines and joints of MS and stainless steel fittings.
- 4 Should be conversant with the working principle & troubleshooting of Air suspension fitted in the EMU/MEMU Coaches.
- 5 Should be thorough with the work activities of Retro fitment of conventional coaches with Air suspension arrangement.
- 6 Should be conversant with the Brake testing of EMU/MEMU rakes.

(C). ELECTRICAL:

- 1 Should know the principles of electro-magnetism, details of construction and application to various types of electrical machines and appliances should as motors, transformers, Relays etc.
 - 2 Should be fully conversant with different types of windings used in armatures of DC motors and generators & stators and rotors of AC Machines.
 - 3 Should be able to test, locate and rectify faults in armature and field coils of electrical machines and accessories.
 - 4 Should know uses of various types and sizes of wires and cables, their current carrying capacities, different types of installations, windings, binding, baking, shellacing, varnishing etc., including Y, A, B, C, E, F & H class insulation.
 - 5 Should be conversant with the procedures in drying out and impregnating armatures etc. and operations and repairs of the impregnating plant.
 - 6 Should be familiar with the various types of measuring and testing Instruments.
 - 7 Should be conversant with the power and control circuits in the Electrical Multiple Units/MEMU and Electric Locos.
 - 8 Should be fully conversant with operation and Maintenance of machinery such as pumps, transformers, motors, starters and associated protective devices.
 - 9 Should be proficient in the details of and the electric traction equipment in locomotives as well as EMUs.
 - 10 Should be conversant with maintenance and operation of Mechanical equipment of the rolling stock such as brake gear, Vacuum cylinders and accessories, draw & buff gears, alarm chain etc., also standard moving dimensions, condemning sizes of wheels etc.
 - 11 Should be able to test all control and power circuits, earth connections etc., for electric rolling stock both locos and EMU/MEMUs.
 - 12 Should be conversant with the working and use of common types of measuring and testing instruments.
 - 13 Working principles, Maintenance & Troubleshooting of GPS (Global Positioning Systems) provided in EMU coach and its related Hardware & Software. Ensuring the function of the accessories such as (a). Head Code (b). BD-Display Board (C). ICDB-In coach Display Board (d). AAU-Audio Amplifier unit & speakers (e). DDC/TCU-Driver Desk Control/Train Control Unit (f). Antenna connections etc.
 - 14 Should be conversant with all type of brake system in both Locos and EMUs
 - 15 Latest developments in LOCO/EMUs like TPWS, VCB, SIV, FDCS and VCD etc.
 - 16 Three phase AC EMU/MEMU working principles, Power circuits, Auxiliary circuits, Electrical Equipment, Brake system and equipment fitted for that purpose, Bogies, Advantages over Conventional EMUs.
 - 17 Activities involved in Trip, IA, IC Inspection Schedules and POH schedule maintenance (Electrical, Pneumatic, Mechanical and Testing portion complete).
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