

SOUTHERN RAILWAY

No.M/P1(M)608/VI/JE/DSL(Elec)

Divisional Railway Manager's Office
Personnel Branch, Chennai Division
Chennai -600003, Dt: As signed

Notification No.08/2025

DME/DSL/TNP

Sub: Selection for the post of Junior Engineer/DSL/ELEC wing in Level 6 of VII PC against 25% LDCE Quota from serving employees of Mechanical Dept of Chennai Division.

It is proposed to fill up the following vacancies of Junior Engineer/DSL/ELEC in Level-6 of 7th CPC pay matrix in Mechanical Department of MAS division against 25% LDCE quota by calling volunteers from the eligible employees possessing three years of regular service as Technician grade III and above in Categories of Electrical Wing of Diesel Shed/TNP.

Category	Level in VII PC	PwBD	Community wise breakup			TOTAL VAC.
			UR	SC	ST	
Junior Engineer/DSL/ELEC	Level- 6	1*	1	0	0	1

- 1 post reserved for category ie. (c)Locomotor disability (OA- One Arm, OL- One Leg, DW- Dwarfism, AAV- Acid Attack Victim)

The eligibility conditions and selection process is as under:-

1	Application	Employees of Technician grade III and above in Categories of Electrical Wing of Diesel Shed/TNP of Mechanical dept. of Chennai division, fulfilling the following criteria on the date of notification(31.01.2025) are advised to submit their application <u>only through online</u> in the following link: https://www.pbmas.in/notifications/
2	Eligible staff to apply	All the serving Technician grade III and above in Categories of Electrical Wing of Diesel Shed/TNP of Mechanical dept. of Chennai division with the following Educational Qualification & Service conditions are only eligible to apply.
3	Educational Qualifications	A) Employees having the qualification of ITI/Act Apprenticeship in trades relevant for eventual absorption to the post of JE/DSL(ELEC). or 10+2 in Science Stream (RBE NO:145/2003) (or) B) Employees having the qualification of Degree or Diploma in the relevant branch of Engineering(RBE 127/2003) C) The relevant trades are Mechanical/ Electrical/ Electronics/ Manufacturing/ Mechatronics / Industrial/ Machining/ Instrumentation & Control /Tools & Machining/Tools & Die Making/Automobile/Production Engineering (or) a combination of any sub streams of basic streams of

		Mechanical/Electrical/Electronics/Manufacturing/ Mechatronics/ Industrial/Machining/ Instrumentation & Control/ Tools & Machining/Tools & Die Making/Automobile/Production Engineering from a recognised University/Institute (RBE 92/2014).
4	Age	Employees should not be more than 47 years of age as on the date of Notification (31.01.2025) (RBE No: 85/2010).The upper age limit for SC/ST employees would be 52 years.
5	Service conditions	<p>Employees possessing three years of regular service as on the date of Notification (31.01.2025) as Technician grade III and above in Categories of Electrical Wing of Diesel Shed/TNP of Mechanical dept. of Chennai division only are eligible to apply.</p> <p>Training period before appointments to service is to be counted as service for purpose of appearing in departmental exam only (RBE102/2019). 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.</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 –</p> <p>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 No: 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 (31/01/2025) (RBE 117/2006).
8	Syllabus	The syllabus prescribed for selection to the post of JE/DSL/ELEC against 25% LDCE Quota (PBC No:281/2024) is enclosed as Annexure I .
9	Pre-Promotion training.	There is no pre promotional training as there are no vacancies earmarked for reserved community.
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 that have volunteered and fulfill the eligibility conditions prescribed thereon would be subjected for the written examination. The candidate has to 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/DSL/ELEC being classified as Safety</p>

		<p>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.</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>(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> <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) dated 28.06.2019, 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) In terms of PBC 204/2024 the written examination shall be conducted in CCBT mode.</p> <p>(vi) Electronic devices will not be allowed inside the examination hall and the <u>violators of the above guidelines will be taken up under DAR.</u></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	Fitness in BEE ONE (B-1) medical classification is required for the post of Junior Engineer/DSL/ELEC in Level-06 of VII PC Matrix.
14	Procedure for drawal of Panel	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 availability of vacancies.

		As the final 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.

16. Notifying the staff

- 16.1 Wide publicity should be given amongst staff in the categories of Technician/DSL/ELEC of Mechanical 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.
- 16.2 Staff who is 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.
- 16.3 If any complaint is received from the employees for not being notified of the said notification, supervisory staff concerned will be held responsible.

17 METHOD OF APPLICATION

- 17.1 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/

Opening date for on-line registration **31/01/2025**

Closing date for on-line registration **25/02/2025**

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

- 17.2 The method of submitting application will be
- 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 with the application at the time of submission.

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.

18. GENERAL

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 Rail net.

Tentative Schedule for the Selection (PBC No:02/2025)		
Sl.	Details	Schedule
1	Final date for submission of application	Latest by 25.02.2025
	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 & Aptitude Test	21.05.2025 to 10.06.2025
6	Finalization of Panel	Latest by 30.06.2025

Encl: Annexure-I.

(V.K.SIVAKUMAR)

APO/MAS
for Sr.DPO/MAS

Copy to: Sr.DME/MAS

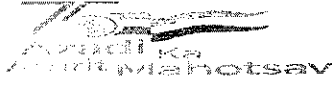
Supervisory Officials – for necessary information & notice board display.

Employees concerned - Through Supervisor Officials.

Divl.Secy/SRMU, Divl.Secy/DREU

Divl.Secy/AISC/ST REA

Divl.Sec/AIOBC REA



PBC No. 281/2024

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/IV/Mech/JE/Ds/Elec/LDCE [Comp. No.520231] दिनांक/Dated:26.12.2024

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

विषय/Sub: **Syllabus for the post of Junior Engineer/ Diesel(Electrical) in Level-6 against 25% LDCE Intermediate Apprentice quota / Mechanical 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/ Diesel(Electrical)** in Level-6 against **25% LDCE Intermediate Apprentice quota** approved by PCEE is enclosed for information, guidance and necessary action.

This has the approval of the competent authority.

संलग्नक/Encl.:2 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 selection to the post of Junior Engineer/Diesel (Electrical) in Level-6
against 25% LDCE Intermediate Apprentice Quota/Mechanical Department**

S.No Subject

Technical

- 1 Types of Diesel Electric locomotives (ALCo/High Horse Power (HHP) and their general working principle
- 2 Vital parameters of different types of Diesel locos (ALCo & HHP)
- 3 Principles of different excitation system in Diesel Electric locomotives (ALCo & HHP)
- 4 Various preventive maintenance schedules being followed for Diesel Electric locomotives (ALCo & HHP)
- 5 Trouble shooting of electrical defects in Diesel locos (ALCo & HHP)
- 6 Load testing of ALCo & HHP locomotives - (Self load & External water load box)
- 7 Knowledge on Measuring instruments like Digital Multimeter, 500/1000V DC Insulation tester (Meggar), Non-contact type clamping meters, Ammeter, Voltmeter, Vernier caliper, micrometer etc
- 8 Types of Self tests in Microprocessor Based Control System (MBCS) in ALCo & Traction Control System (TCS) in HHP Diesel locomotives
- 9 Knowledge of Cranking, battery charging, speed, propulsion control, power circuits etc. (ALCo & HHP)
- 10 Parameters to be checked during Initial Running Check (IRC) & Final Running Check (FRC)- (ALCo & HHP)
- 11 Knowledge on Auto flasher, Vigilance Control Device (VCD), Sander, Dynamic Brake (DB), Auxiliary Power Unit (APU), REMMLOT etc.
- 12 Knowledge on rotating equipments (Traction motor, Traction Alternator, Auxiliary machines, Small motors etc.) and their variants in Diesel locos (ALCo & HHP)
- 13 Knowledge about Battery, Wires and Cables in Diesel locos (ALCo & HHP)
- 14 Knowledge about Control gear equipment like Electro Magnetic (EM) Relays, EM contactors, Electro Pneumatic (EP) Power contactors, Reversing (REV)/Power Braking (BKT) Switches, Master controllers, Pressure switches, magnet valves, Breakers, Diodes & Fuses etc.
- 15 Various Electrical Safety devices in Diesel locos (ALCo & HHP)
- 16 Working principle of Dynamic braking in Diesel locomotives (ALCo & HHP)
- 17 Knowledge in Indian Electricity Rules
- 18 Knowledge of Lubricants, Cleaning Compounds, varnishes, Resins, Putty etc. in Diesel locomotives (ALCo & HHP)
- 19 Acronyms and abbreviations used in railways
- 20 No load test Parameters in E type (Non microprocessor) locos
- 21 Different class of Insulations used in Electrical machines
- 22 IS standards of commonly used Fastners, Lug terminals etc.
- 23 No load test Parameters in E type (Non microprocessor) locos
- 24 Different types of Bearings used in Electrical rotating Equipments
- 25 Dynamic balancing of Armatures/Rotors in rotating machines
- 26 Traction motor Pinion Mounting/Unmounting procedure - Blue matching, Pinion advancement, pinion extraction etc.

General

1 General Knowledge and English

Current Affairs, Political Science, Important events, Sports Awards & honors, Indian Railways and its Organization, Basic knowledge of English and Grammar (up to 10th Standard).

2 **Mathematics**

Knowledge of Mathematics up to 10th Standard, Elementary knowledge of Arithmetic, Geometry, Statistics, Trigonometry, Fraction & Decimal, Roots and square Roots, Cube Roots, Units and measurement, Areas and Volumes etc.

3 **General Science**

Elementary Knowledge of Science (Physics and Chemistry), General Knowledge of application of science in day today life and Railways, Difference kinds of energy, electricity and magnetism, simple chemical equations and dynamics

4 **Establishment**

General knowledge regarding Railway working, Pass rules, Leave rules, Disciplinary and Appeal Rules (DAR), Conduct Rules, Workmen Compensation Act (WCA), Hours of employment Regulation (HOER), etc.,

5 **Official Language Policy**

Official language policy of Government of India and Indian Railways

