

**दक्षिण रेलवे / SOUTHERN RAILWAY**

सं. No.U/P.608/VII/Elec/JE/TRD/ LDCE 25% /452831

मंडल कार्यालय /Divisional Office,  
कार्मिक शाखा /Personnel Branch,  
मदुरै/Madurai, दि. /Dt 30.01.2026

All Supervisory officials in Electrical/TRD Department of MDU Division

विषय/Sub: Selection for the post of Junior Engineer/ Electrical/TRD in Pay Matrix Level 6 against 25% LDCE Quota in Electrical/TRD/Department – reg.

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It is proposed to conduct a selection for the post of Junior Engineer/ Electrical/TRD in Pay Matrix Level- 6 against 25% LDCE Quota in Electrical/TRD Department of Madurai Division. The Communal break-up of vacancies are detailed below:-

| UR | SC | ST | Total |
|----|----|----|-------|
| 01 | 01 | 01 | 03    |

The above vacancy is provisional as the final vacancies will be decided after finalization of Junior Engineer/TRD/25% Promotion Quota in Electrical TRD Department.

It is therefore applications are invited from all eligible employees irrespective of community, as the provisional vacancies are likely to change after completion of Promotional Quota and no further chance will be given for applying to the selection to the post of Junior Engineer/TRD against 25% LDCE Quota. Mere calling volunteers for the provisional vacancies will not confer any right to empanel in the Junior Engineer/TRD against 25% LDCE Quota. Empanelment will be done for the final vacancies decided after completion of JE/TRD/25% Promotion Quota exam.

Applications are invited from Senior Technicians in level – 6, Technicians Gr.I in level – 5, Technicians Gr.II in level 4 and Technicians Gr.III in level 2 of Electrical/TRD Department of MDU Division who fulfill the following eligibility conditions.

**1. Age**

The Volunteering staff should not be more than the age of 47 years in the case of General Candidates (RBE No. 85/2010) and the upper age limit for SC/ST employees would be 52 years as on date of notification i.e. as on 30. 01.2026.

**2. Educational Qualification**

Minimum educational qualification of ITI/Act Apprenticeship pass in relevant trade or 10+2 in science stream (RBE No.136/2002). In terms of Railway Board's letter No.E(NG) I/99/PM7/17 dated 25.08.2003(RBE 145/2003), the qualification of ITI/Act Apprenticeship should be in trades relevant for eventual absorption in the category for which the selection is conducted i.e. **trades relevant to the post of Junior Engineer in Electrical/TRD Department of MDU Division.**

In terms of Railway Board's letter No.E(NG)I/99/PM7/17 dated 28.07.2003(RBE No. 127/2003), if the employee is otherwise eligible and possessing the qualifications of Degree or Diploma in the relevant branch of Engineering is also eligible to volunteer to appear in the selection for induction as Intermediate Apprentices along with those with the qualification of ITI/Act Apprenticeship or 10+2 in Science Stream.

  
30/01/2026

Relevant Branches for JE/Elec Dept-3 years Diploma in (a) Mechanical/Electrical/Electronics Engg. or (b) a combination of any sub stream of basic streams of Mechanical/Electrical/Electronics Engg. from a recognized University/Institute. (RBE 92/2014 dt 29.08.2014)

### 3. Service Conditions

Minimum three years of service as Tech.Gr.III/TRD and above of Electrical/TRD Department as on the date of notification.

In terms of RBE No.102/2019, training period before appointments to service is to be counted as service for purpose of appearing in departmental exam. However, the three year training period will not count for the qualifying service for JE examination against LDCE quota in terms of RBE 50/1997.

Counting of Service rendered in the old unit by employees who joined Madurai Division on own request transfer on bottom seniority will be subject to conditions specified in RBE No. 34/2006 & RBE No.99/2006.

### 4. Cut-off date

The cut-off date for determining the eligibility of the staff will be as on the date of issue of notification (RBE No. 117/2006).

### 5. Medical Fitness

Fitness in Aye Three Medical classification is mandatory for the post of JE/TRD/Electrical Department.

### 6. Date of examination

The date, venue and time of written examination will be intimated in due course.

### 7. Syllabus

The syllabus prescribed for the selection to the post of JE/TRD/Electrical Department against 25% LDCE quota is enclosed as **Annexure-II**.

### 8. Pre-Promotional Training

In terms of Railway Board's Lr.No. 88-E(SCT)I/42/2 dated 11.04.1991, pre-selection/pre-promotion training to SC/ST employees is to be conducted covering the syllabus of the examination for selection to Safety category post. Pre-promotional training will be organized by the Controlling Officer covering the syllabus for prescribed period for the employees belonging to **SC/ST Community only as SC/ST vacancy is notified**. In case if any SC/ST employees express unwillingness for PPT, a written declaration to that effect may be obtained and forwarded to this office for record.

### 9. Mode of selection

The selection will consist of written examination and perusal of record of service. A candidate has to obtain a minimum of 60% marks in Professional Ability (i.e. in written examination) for being considered for further selection process of perusal of Service Record.

The post of Junior Engineer being classified as Safety Category post, there is no relaxation in qualifying marks to employees belonging to the category of SC/ST and hence they are also required to secure 60% marks in the written examination.



## 10. Procedure for written Examination

- (i) The selection consists of written test as per Board's letter No. E(NG)/I/2018/PM1/4 dated 14.12.2018 (RBE 196/2018). The Question Paper will be 100% Objective type multiple choice questions.
- (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.
- (iii) In terms of Railway board letter No.E(NG) 1/2018/PM 1/4 dated 14.11.2019 (RBE No. 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.
- (iv) The written examination will be conducted as Computer Based Test (CBT).
- (v) Electronic devices will not be allowed inside the examination hall and the violators of the above guidelines will be taken up under DAR.

## 11. Supplementary written examination

There will be no Supplementary written examination, being an LDCE selection.

## 12. 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 and PBC No.54/2012 dated 18.04.2012. 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.

As the final panel will be drawn on the basis of merit, there will be no classification as "Outstanding" as per Railway Board's letter No.E(NG01-2008/PM7/4 SLP dt 19.06.2009 (RBE 113/2009).

The various factors of selection and their relative weight will be as indicated below:-

| Factors/headings |                      | Maximum Marks | Qualifying Marks |
|------------------|----------------------|---------------|------------------|
| (1)              | Professional ability | 50            | 30               |
| (2)              | Record of Service    | 30            | ---              |
| Total            |                      | 80            | 48               |

## 13. Training & Pay admissible during the training period and seniority

The successful employees who have been placed in the panel for the post of Junior Engineer/TRD /Electrical Department will have to undergo necessary training for **52 weeks** (RBE No 87/2022) and on completion of the training, they required to qualify the final suitability test. On passing the suitability test, they will be posted as Junior Engineer /TRD/Electrical Department in Pay Matrix Level -6 or otherwise they will be reverted to their original cadre.

Technicians selected as Inter - apprentices under Intermediate Apprentices Quota (LDCE) during their training period will be eligible to draw only the substantive cadre pay of the post drawn by them before being sent to training and are not eligible to exercise any option to draw the stipendiary pay as applicable to direct Recruitment. The higher pay on promotion will be fixed only from the date of regular absorption after successful completion of training(PBC No.172/2016).The selected employees should be prepared to serve anywhere in MDU Divn. The period spent on training before regular absorption will not be counted for the purpose of seniority in the promoted post of JE/TRD/Electrical Dept.



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#### 14. Submission of applications

The willing and eligible volunteers have to submit their applications in prescribed proforma as enclosed in **Annexure-I** to their controlling supervisors on or before **23.02.2026** who will forward the applications in one bunch with a covering letter to the controlling officer on or before **24.02.2026**. The controlling officer has to forward all the applications in one bunch to Sr.DPO/MDU together with DAR/SPE/Vig. Clearance on or before 25.02.2026. The candidate should necessarily fill all the relevant columns and strike out the inapplicable columns indicating as "NA". The column of date should invariably filled in.

The Supervisory shall affix their signature & date while forwarding application to the controlling officer.

**Incomplete applications, application received after the last date (i.e., 25.02.2026) shall be summarily rejected.**

The Supervisor concerned should ensure that the employees are notified of this communication in connection with above selection. It should 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 of 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. The controlling Officer should ensure that this notification is also circulated/intimated to their staff who are placed in sick list or on long leave or where departmental proceedings have been contemplated/initiated or on deputation/Training in other unit offices etc. Any laxity in this regard will be viewed seriously.

In case of no volunteers for the above selection, a 'NIL' statement may be sent to this office. The above notification may be circulated to all concerned.

- Encl: 1. Application (Annexure -I)  
2. Syllabus (Annexure -II)

  
(S.JESURAJAN) 30-01-2026

Asst. Personnel Officer/SEM  
For Sr.Divisional Personnel Officer/MDU

Copy to : PS to DRM for kind information of DRM please.  
PS to ADRM for kind information of ADRM please  
CVO/MAS for kind information please.  
Sr.DEE/TRD/MDU for kind information please.  
ADEE/TRD/MDU, DG,TEN,SCT & MNM,  
Ch.OS/Confdl Sec., OS/Elec./TRD Dept.,  
JE/IT :- to upload the same in Railnet  
DS/ SRMU,DS/DREU, AISC/ST REA, AI OBC REA.

**Annexure - I**

**Application for the post of JE/Elec(TRD) in Pay Matrix Level- 6 against 25% LDCE quota in**

**Electrical/TRD Department MDU Division**

(Ref. Sr.DPO/MDU letter No. U/P.608/VII/Elec/JE/TRD/LDCE (25%) dated: 30.01.2026)

01. Name in Full (in Block letters) :
02. Father's Name :
03. PF No. / Employee No & HRMS ID :
04. Designation & Station :
05. Date of Birth :
06. Age as on 30.01.2026 :----- Years ----- Months-----Days
07. Present Designation & Level/Grade Pay :
08. In case of up-gradation on MACP  
Mention the date & Level of up-gradation-
09. a) Date of initial Appointment/Station/Unit/Dept/Divn/Rly :  
b) As Senior Technician :  
c) As Technician Gr.I :  
d) As Technician Gr.II :  
e) As Technician Gr.III :
10. Total Length of Service  
in Technician Gr.III and above :----- Years ----- Months-----Days
11. Whether belongs to SC/ST/UR :  
(if SC/ST attested copy must be enclosed)
12. Educational Qualification :  
(Attested copies must be enclosed)
13. Mobile No (for communication) :
14. e-mail ID :
15. Awards conferred during the last five Years :  
(If any, attested copy must be enclosed)
16. Penalties imposed during last five years :  
(a) Minor :  
(b) Major :
17. Any other relevant information :

Affix recent  
photograph  
attested by  
controlling  
supervisor

I hereby declare that all the conditions stipulated in the notification are accepted and further declare that the particulars furnished above are correct and if it is proved to be false, my candidature may be summarily rejected at any stage besides initiating major penalty DAR action for such misconduct.

(Sl. No. 01 to 17 are to be filled up by the employee legibly in the right side)

Date:

Signature of the Employee

**CERTIFICATION OF SUPERVISORY OFFICIAL**

Forwarded to Sr.DEE/TRD/MDU for further necessary action please.

Office Seal:

Signature of the Supervisory Officials

Name :  
Designation :

Date:



Enclosure to the letter No.U/P.608/VII/Elec/JE/TRD/LDCE 25% dated:30.01.2026

SYLLABUS FOR WRITTEN TEST FOR SELECTION TO THE POST OF JE/TRD

I General :-

1. Day to day correspondence on matters – submission of detailed Technical reports on maintenance progress and failures – must be able to read drawings pertaining to their works. Procedure and Handling practice TDMS operation. HRMS, ICMS.
2. Details of equipments and spares required for maintenance as well as tools & tackless. Identification of detailed estimates, detailed working list of items required – completion reports – booking of staff to works.
3. Procedures in respect of stores matters – control and accountal of stores – imprest stores – disposal of stores – return of stores – return of empties – materials – at site account – workshop manufactured items – maintenance of T&P registers – stores stock registers – DBR and DBI – stationary items. Software – UDM, IREPS, IRWCMS.
4. Training of staff preparatory to trade test and efficiency bars sending staff for periodical medical examination – principles of Discipline and Appeal rules and exercising powers of various levels – Railway servants Conduct Rules – Annual confidential reports – Rules pertaining to engagement of casual labour – maintenance of muster rolls – preparation of pay bills – leave, pass and T.A. Rules, night duty allowance – rent rolls and various types of allowances and advances that staff are entitled reporting of accidents – procedures. Biometric system – Tower Wagon Driver/Kilometer Allowance, Maintenance of Tower Wagons – Tower Wagons & BDV. Outsourcing and its rules to be followed. Knowledge of OLIC.
5. Department procedure in regard to-
  - a) Payment of Wages Act.
  - b) Hours of employment regulations – preparation of duty rosters.
  - c) Workmen's Compensation Act.
  - d) Factory Act.



## II. Technical :-

Power supply arrangements – Traction Sub-Station layout protection – equipments and their capacities – Maintenance schedules – Sectioning posts – Sub sectioning Posts – equipments and their maintenance schedules.

Booster transformers – Auxiliary transformers – different capacities Maintenance Schedules Testing of transformer oil methods, equipments used. Oil purification plants, different capacities and their functions.

Batteries, battery chargers, initial charging and boost charge, maintenance schedules.

OHE layout – Principles and pegging plan commission inspection testing and commissioning of OHE Schedule of over head equipments. Earthing and bonding code of OHE & PS.

Earth megger insulation megger - construction and working.

Basic principles of electricity-current-voltage-resistance-reactance-impedance-admittance-units of electricity. Horse power simple electrical measuring instruments.

Working knowledge of Indian Electricity Act and Rules regarding HT/EHT installation and commissioning of HT/EHT and medium voltage lines and equipments, electrical accidents and procedure for reporting the same both under Indian Electricity Act and under regulations for safe working of electrical equipments of Indian Railways power line crossings over and under Railway tracks through knowledge of the alternating current traction manual and the subsidiary rules, procedure for availing power shutdowns, traffic blocks, local power blocks permit to work etc., safety rules – treatment for electric shocks.

Principles of working and maintenance of road and rail vehicles and procedure related to their upkeep and requirements of compliance to safety rules-both on the rail as well as road and by P.Way (Tower Wagon & Motor Trolleys) Payment of Motor Vehicle tax, safety fittings and compliance of safety rules being prescribed by road authorities from time to time. Loading tools used in OHE and PSI, material handling with their principles in force. Pull-lifts pulley blocks, manila rope and wire rope, slings, Shackle etc., safe working load, breaking strength, principles of simple machines.



Working and maintenance knowledge of electrical gadgets required in repair shops, Working of Diesel generator sets of different capacities and their maintenance knowledge of simple lighting arrangements at breakdown site, B.D. Specials.

**PSI:** Scheme of power supply for the electrified section about of traction substation – different kinds of switching stations their purposes and lay out – salient features of traction power transformers, its rating protection against over currents, earth faults and catenary protection – principle of and operation of relays, Type and brief description of the outdoor circuit breakers and control gear and their testing Isolators/instrument transformers – Power operated isolators and electrical interlocks – Main control Board and diagram of connections for control and indication circuits control circuit batteries and batteries charges maintenance and up keep of batteries and earthing, lay outs in substation and switching stations – erection and testing of earthing stations schedules for maintenance of transformers and outdoor equipments of testing of relays, and indicating instruments – principles of operation of booster transformer. Their spacing schedule of maintenance, testing – single phase auxiliary transformers and purpose for which they are installed Safety precaution while working on or near outdoor high voltage – high voltage equipment – fire-fighting equipments in substations and switching stations – maximum demand, energy consumption, power factor and average load factor at each sub-station maximum demand energy consumption, power, factor and average load factor at each substation metering arrangement for 110 KV supply to the Railway – location and rectification of faults and failures on equipments in substation and switching stations, knowledge about operation, maintenance and repair of steam and oil filtration plant and oil testing kit and relay.

**OHE:** design, layout, construction of polygonal type of OHE regulated and unregulated type of OHE. Their relative advantages and disadvantages – material and size of catenary and contact wires, jumpers, droppers, feeder wires – condemning size of contact wires – different kinds of foundation for OHE mast along tracks on embankments on bridges, and in special locations different kinds of OHE masts. In use and their location OHE layout rules standard spans on curves of insulated and uninsulated overlaps – 2 span 3 span and 4 span overlap Neutral section insulators – crock feeders and jumper connections contact.

Wire height, gradient – electrical clearances minimum long duration and short duration clearances types of OHE at points and crossings at turn out and cross overs-tension lengths – implantation along tangent tracks and on curves – arrangement and location of structures for single track, double track and multiple tracks – location of jumpers – Anchor or OHE – Tramway type equipment – return conductors for booster transformers, their route tension lengths and connections to booster transformer and



to track rails in single rail track circuited and double rail track circuited sections – earth wires, sectioning, anchoring and layout 25 KV feeder lines – by-pass feeders in OHE structures, their suspension clearance from OHE overline structure sectioning arrangement over main running lines and in yards Rule diagram and special Traction Instructions – structure bonds revises code for Handing and Earthing – Tension in calenary and contact wire and its relation to temperature – structure erection drawings – clearance under light and heavy overlines structures height guards at level crossings schedule of maintenance of OHE – Preventive maintenance works, periodic measurements – checking of adjustments and height of contact wire – retensioning of OHE, IOH, AOH & POH works – breakdown equipments and tools working of tower wagons – working of breakdown wiring their method of erection of OHE on temporary divisions rules for working of motor trolley and push trolleys through knowledge of General Rules, ACTM and subsidies rules pertaining to OHE portion work under power blocks. Modifications to distribution lines, in the vicinity of traction OHE on running paralleled to traction lines.

RC: General description of the Supervisory Remote control equipment its purpose and principles of operation control room equipment – diagram board and central desk indications on the control panel description of the remote control – switching equipment.

Equipment frequency allocation for the controlled post equipments. Outline of operation of telecommand and execution of order Generation of pulses and coding of impulse train. Telesignal transmission – impulse transmission Alarm indications and full indications – distortion of impulse trains – transmission channel failures – contact failure Grouping of controlled posts – Catenary indication relays and catenary voltage indication – under voltage relays characteristics of underground control cables V.F. Repeaters and their purpose arrestors – remote control battery and battery charger Co-ordination with P&T department – testing and measuring instruments and their use – cathode ray oscillograph vacuum Tube voltmeter – Empulsograph Digital counter schedule of maintenance for control from battery control room and controlled post switching equipment and FEVFT equipment.

III : OFFICIAL LANGUAGE POLICY AND RULES.

