दक्षिण पूर्व रेल्वे
South Eastern Railway
वरिष्ठ मण्डल कार्मिक अधिकारी कार्यालय, राँची
Office of the, Sr. Divisional Personnel Officer, Ranchi

NOTIFICATION No::-SER/P-RNC/EL/TRD/20/25%LDCE/2026 Dated 07.05.2026

Sub: Formation of panel for filling up the post of Junior Engineer/Electrical/TRD in Pay Matrix Level-6 against 25% IMA Quota (LDCE) in Electrical/TRD Department of Ranchi Division/SER.

It is proposed to form a panel to fill up 03 (Three) posts of Junior Engineer/Electrical/TRD in Pay Level-6 against 25% IMA quota (LDCE) in Electrical / TRD Department of Ranchi Division. The details are as under:

Category	UR	SC	ST	Total	PwBD
JE/Electrical/TRD	02	01	00	03	Not applicable

1. **ELIGIBILITY AND SERVICE CONDITIONS OF STAFF :**

   a. All serving employees having the qualification of ITI/Act Apprenticeship pass in the relevant trade or 10+2 in science stream with three years of regular service in skilled grades i.e. Sr. Technician, Technician–I, Technician-II and Technician-III of Electrical/TRD department in Ranchi Division and shall apply.
   (Authority : PCPO/SER Estt Rule No. 140/2003 (RBE No.145/2003), RBE No.108/2003, & RBE No.136/2002)

   b. In terms of Railway Board's Letter No. E(NG)I/99/PM7/17 dated 25-08-2003 (PCPO/SER's Estt Rule No. 140/2003), 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/TRD of Electrical Department.
   (Authority : PCPO/SER Estt Rule No. 140/2003 (RBE No.145/2003)

   c. In terms of Railway Board's Letter No. E(NG)I/99/PM7/17 dated 28-07-2003, if the employee otherwise eligible and possessing the qualification of Degree or Diploma in the relevant branch of Engineering are also be 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 (Science Stream).
   (Authority : RBE No.127/2003)

   d. As on the date of notification, the age of the volunteering staff should not be more than 47 years in the case of General candidates and the upper age limit for SC employees should not be more than 52 years in terms of Railway Board's Letter No. E(NG)I-1999/PM7/17 dated 09-06-2010.
   (Authority : RBE No.85/2010, PCPO/SER Estt Rule No. 98/2010 & 107/2011)

   e. The above post is not identified for PwBD category.
   (Authority :PCPO/SER Estt Rule No. 168/2022, RBE No.74/2022)

   f. In terms of RBE no. 117/2006, the cut-off date for determining the eligibility of staff should be the date of issue of notification. As such the volunteering employees should fulfill the service conditions of age and educational qualification and other service conditions as on the date of issue of this notification i.e. as on **07-05-2026.**
   (Authority : RBE No.117/2006, PCPO/SER Estt Rule No. 153/2006)

Note: Employee who came on transfer in bottom seniority, service rendered in the old unit will also be reckoned for determining eligibility whenever a minimum length of service is prescribed as a condition for promotion subject to condition that the service so allowed to be counted does not exceed the length of service of the their immediate senior in the new unit. The benefit of counting of service will be applicable only in those cases where the staff join the new unit on request transfer in the same category of posts.
(Authority PCPO/SER's Estt. Srl. No.55/2006)

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2. **SYLLABUS:**

The tentative approved syllabus for selection to the post Junior Engineer/Electrical/TRD of Electrical TRD Department against 25% IMA quota (LDCE) is enclosed as **Annexure-B** vide **PCPO/GRC's letter No. SER/P-HQ/EL/JE(TRD)/IMAQ/Syllabus/2025/CN: 312631 dtd.07.07.2025** for wide publication amongst the staff concerned.

Syllabus/Notification may also be downloaded from the official website of **ser.indianrailways.gov.in → Division → Ranchi → Departments → Personnel**.

3. **PROCEDURE FOR WRITTEN EAMINATION:**

a. The exam will be held in the manner of Computer Based Test (CBT)/Tablet Based Test (TBT).

b. In terms of Railway Board's Lr. No. E(NG)I/2018/PM1/4 dtd. 14.12.2018 (RBE No. 196/2018), PCPO/SER's Estt. Srl. No. 73/2019, the written examination consists of 100% objective and all the questions will be multiple choice only.

c. **There shall be negative marking for incorrect answers**. 1/3rd of the marks allotted for each question will be deducted for wrong answers.

d. There will be 110 questions including 10 optional questions on official language policy and candidates will have to answer 100 questions only. If any candidate answers more than 100 questions, the first 100 attempted questions will be counted.

(Authority PCPO/SER's Estt. Srl. No. 145/96 & 238/2019)

e. The above selection is against IMA Quota (LDCE) and panel will be arranged in order of Merit on aggregate marks (written + Service records).

f. The panel will be drawn after scrutiny of Service Record and last 03 (Three) year APAR's of the staff those who qualified in the CBT/TBT test. **No supplementary Test will be held.**

g. The duration of examination under objective type multiple choices will be 90 minutes.

(Authority PCPO/SER's Estt. Srl. No. 129/2019)

4. MODE OF SELECTION AND QUALIFYING MARKS AND PROCEDURE FOR DRAWL OF PANEL:

The professional ability of the employee in the field of selection will be adjudged through CBT/TBT test. However a candidate must secure 60% or more marks in 'Professional ability' as well as in aggregate i.e. in both CBT/TBT test and record of service for final selection. The post of Junior Engineer/Electrical/TRD is 'safety category post' hence there is no relaxation in the qualifying marks for candidates belongs to SC/ST community is applicable.

[Authority PCPO/SER's Estt. Srl. No.132/2009 (RBE No-113/2009)]

The final panel shall be drawn up in order of merit based on aggregate marks of "Professional ability" and "Record of Service" being General Selection since candidates from different seniority units in the same department i.e. Electrical TRD Department of Ranchi Division are being called for selection. There will be no classification of candidates as "Outstanding" being General Selection. Respective weightage of marks of professional ability (CBT/TBT) and record of service will be as per extant rules.

[Authority PCPO/SER's Estt. Srl. No: 266/1999, 132/2009(RBE No.113/2009)]

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Record of Service:- Record of service will be assessed based on entries in the Service Book/ Personal file regarding academic/technical qualifications, awards/punishment.

Distribution of marks:

Factor/Heading	Maximum Marks	Qualifying Marks
CBT/TBT test	50	30
Record of service	30	18
Total	80	48

The distribution of 30 marks for record of service is as follows:-

APAR – 15 marks:- Maximum 15 marks will be allotted for APARs, whereby 5 marks of Outstanding, 4 marks for Very Good, 3 marks for Good, 2 marks for Average and Nil for below average for each of last 3 years APARs. **(Authority:- PCPO/SER's Estt. Srl. No. 177/02 & 266/99)**

Service Record – 05 marks:- The base marks under this heading will be taken as 3 for all candidates. Further **as per PCPO/SER's Estt. Srl. No. 177/02 & 266/99** Award and merit certificate for DRM/PHOD/GM/Board level in last 3 years, maximum 01 mark for each award/merit certificate will be taken. For major penalty during the 3 years under consideration, 01 marks to be deducted for each major penalty and ½ marks to be deducted for each minor penalty. The maximum marks under this heading should not exceed 5 marks.

Educational qualification 10 marks:- The marks will be allotted as follows:-

Sl. No.	Education Qualification	Marks
1	Post Graduation/Masters degree & Higher	10
2	Degree in Engineering/Graduation/Hons. Degree	09
3	H.S./10+2/Diploma	08
4	Matriculation/10th Pass/ITI	07
5	Below Matriculation	06

(Authority:- As per PCPO/SER's letter no SER/P-HQ/Ruling/0/963 23.03.2023 & 24.05.2023)

There will be no provision of ad-hoc promotion under "Best among the failure scheme" for reserve categories candidates against reserve vacancies.

(Authority: - PCPO/SER's Estt. Srl. No. 69/2020)

Employees qualified further in CBT examination their final empanelment shall be subject to passing of Medical standard in A-3 (Aye Three) category.

5. PRE-SELECTION COACHING:

SC candidates will be imparted necessary pre-selection training for 3-4 weeks by Sr. DEE/TRD/RNC. In any case, if any employee expresses his/her unwillingness for pre-selection coaching, a written declaration to that effect may be obtained and forwarded to this office for record.

(Authority: RBE No.174/1997)

6. PRE-PROMOTIONAL TRAINING:

Empanelled staff is required to be passed in mandatory pre-promotional training.

(Authority : RBE No.10/2020)

In-service candidates appointed as apprentices against Intermediate Apprentice quota (LDCE) will be governed by the provisions of Rule 1311(FR-20) R-II (1990-reprint). During apprenticeship, they will be eligible for all allowances and privileges (including TA/DA & PLB) on the basis of their substantive cadre pay of the post held before being sent on training.

[R.B's No. PC/IV/2006/MISC/5 dtd. 17/04/2006 (Estt. Srl. No. 74/2006)].

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7. DATE OF EXAMINATION AND VENUE:

The date, venue and time of examination will be intimated in due course. However, it is to be advised to the volunteering staff that there will be no supplementary examination for the absentees being General Selection.

8. LAST DATE FOR SUBMISSION OF APPLICATIONS:

The willing and eligible employees have to submit their applications in prescribed Proforma in **Annexure-A** to their controlling supervisors on or before **22-05-2026** who will forward the applications in a bunch to the controlling officers on or before **26-05-2026**. The controlling officer will forward all the applications in a consolidated manner along with covering letter after due scrutiny to Sr.DPO/RNC's office on or before **28-05-2026**. Applications received after the last date will summarily be rejected without assigning any reason. The candidate should necessarily fill all the relevant column and strike out the inapplicable columns indicating as "NA".

9. ABSORPTION:

On successful completion of the training period, they will be absorbed against the working post of Junior Engineer/Electrical (TRD) in Pay Level – 06 in pay matrix in the Electrical(TRD) Department subject to availability of vacancies.

10. NOTIFYING TO THE STAFF:

Wide publicity of this notification should be given amongst the eligible staff of Electrical/TRD Department of Ranchi Division including Construction organization and Deputation whose lien is maintained in Electrical / TRD Department of Ranchi Division. A copy of notification should be displayed on a notice board at a conspicuous place. Staffs who are on deputation/leave/sick should also be notified to enable them to submit their applications in time. It should be the responsibility of senior Subordinate/Supervisor to complete the formality in this respect. It is further advised that any other communication received in respect of the selection from time to time should invariably be intimated to all the eligible employees.

11. How to apply

The employee should submit the application in prescribed format through proper channel as **Annexure-A**. The application should be on good quality of A-4 size paper using one side only. They should fill up the application in their own writing with blue or black ball point pen only. All relevant column in the application should be filled completely & strike out the inapplicable columns and forwarded duly signed by the controlling supervisors/officer wherever required or otherwise same will not be considered.

12. GENERAL INFORMATION:

a. All candidates are advised to attend the examination hall on scheduled date of exam along with proper identification memo.

b. Unit/Section in-charges are hereby advised to release the staff positively with proper identification memo.

c. In case of any unfair means noticed during the examination, candidates shall be asked to leave the examination hall and they will liable to be punished under DAR also.

d. If any discrepancies are found at any stage in regard to the applicant's candidature he/she is liable to be disqualified at any stage of selection without any information.

e. At any stage of selection, if any staff candidature is found to be defective or not as per extent rules, his/her candidature will be cancelled thereof. Thus mere calling or being eligible provisionally for the selection does not confer any right to them for such promotion. The administration also reserved the right to cancel the notification/notified vacancies at its discretion, if any discrepancy(ies) is(are) found at any stage and such decision will be final and binding on all.

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The contents of this circular may be given wide publicity.

Encl: 1. Application Proforma **(Annexure- A)**
2. Syllabus **(Annexure- B)**

07/05/26
(Madan Kumar)
Asstt. Personnel Officer-II
for Sr Divl. Personnel Officer
S.E.Railway, Ranchi

No. SER/P-RNC/EL/TRD/20/25%LDCE/2026 Date: 07-05-2026

Copy forwarded for information and necessary action to:

1.PA to ADRM for kind information of ADRM/RNC 2. Sr. DEE/TRD/RNC 3. Ch. OS/APAR 4.Ch. OS/Bills 5. Ch. OS/SR 6. All Concerned Unit In-charge 7. Notice Board 8. DC-SERMU/RNC 9. DS-AISCSTREA/RNC 10. DS-AIOBCREA/RNC 11. O.O.File.

12. DEE(Con)/RNC & WPO/Patna- are requested to, if eligible staffs are submitted application of the above post kindly check & verified those lien in RNC division before submitting in this office.
13. OS/Confidential Section- is requested to kindly form a selection committee for conduct selection for the post of Junior Engineer/Electrical (TRD) against 25% Intermediate Apprentice Quota (LDCE).
14. OS/HRMS/IT Cell- is requested to upload this notification and syllabus on website of Ranchi Division.

07/05/26
Asstt. Personnel Officer-II
for Sr Divl. Personnel Officer
S.E.Railway, Ranchi

ANNEXURE - A

APPLICATION FOR SELECTION TO THE POST OF JE/ELECT./TRD. IN PAY MATRIX LEVEL-6 AGAINST 25% IMA(LDCE) QUOTA OF ELECTRICAL/TRD DEPARTMENT IN RANCHI DIVISION/SER.

1.	Name of the Employees	:
2.	Emp. No.(IPAS) & HRMS ID	:
3.	Bill unit /Basic Pay/Pay Level	:
4.	Mobile No. & Email ID (mandatory)	:
5.	Designation/Station	:
6.	Date of Birth (As per SR)	:
7.	Age as on **07-05-2026**	:---------- YEAR..... .... Months..... Days
8.	Community (UR/SC/ST/OBC) (As per SR) :	
9.	Date of Appointment/Promotion a. As Technician Gr.-III : b. As Technician Gr.-II : c. As Technician Gr.-I : d. As Sr. Technician :	
10.	Transfer Details (IRRT/IRMT/IRDT/IDMT) if any:	
11.	Total length of service in Technician Gr.-III & above ..... Year ..... Months ..... Days	
12.	Educational Qualification (As per SR) :	
13.	Award conferred during the last three years (Railway Week) ((copy of award/s to be enclosed)) a. Divisional Level (DRM Level) : b. Headquarter Level (PHOD/HOD) : c. GM/Railway Boards Level :	
14.	Penalties imposed during the last three years: a. Minor : b. Major :	
15.	Any other relevant information :	

Declaration: I hereby declare that the particulars furnished are true, complete and correct to the best of my knowledge and belief. I understand that, if at any stage it is found that the information furnished is false or incorrect or I do not satisfy/fulfill the eligibility criteria, my candidature/appointment on promotion is liable to be cancelled besides disciplinary action as per rules. I have read the content of the notification and agree to abide by the Rules, regulation and procedure prescribed for promotion to the post of JE/Elect./TRD.

Date:

Signature of the Employee:
Name:
Design./Stn

It is certificate that the particulars furnished by the employee are verified with the records available in this office and found to be correct. He fulfills the eligibility criteria as stipulated in the notification.

Date:
Station:

Signature of the controlling officer
Name :-
Design: -

Office Seal

दक्षिण पूर्व रेलवे/SOUTH EASTERN RAILWAY

मुख्यालय/Headquarters
कार्मिकविभाग/Personnel Department,
11, गार्डनरीचरोड/11, Garden Reach Rd,
कोलकाता-43/Kolkata-700043

No. SER/P-HQ/EL/JE(TRD)/IMAQ/Syllabus/2025/CN: 312631 **Dated:** 07.07.2025

To,
The Divn. Personnel Officer,
South Eastern Railway/ADA/CKP/KGP/RNC.

The Workshop Personnel Officer,
South Eastern Railway/KGPW.

Sub: Approved Uniform Syllabus for selection to the post of JE(TRD), L-6 against 25% IMAQ in Electrical Department over South Eastern Railway.

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In order to Standardize the Syllabus for conduction the selection to the post of JE(TRD), L-6 against 25% IMAQ in Electrical Department over South Eastern Railway through CBT, the Syllabus as enclosed in **Annexure-'A'** have been prepared and approved by the Competent Authority i.e. CEDE/GRC. This maybe circulated to all concerned so as to enable all the probable candidates to prepare themselves for the forthcoming examinations.

It is therefore requested for wide circulation of the same and it is also available on the website-www.ser.indianrailways.gov.in.

Encl: *Annexure-'A'*

P BHASKAR RAO Digitally signed by P BHASKAR RAO Date: 2025.07.07 15:26:06 +05'30'

(P.Bhaskar Rao)
Asstt. Personnel Officer (HRMS)
for **Pr. Chief Personnel Officer**

Copy forwarded for information to the:

1. Secy. to PCEE for kind information of PCEE/GRC.
2. PS to PCPO for kind information of PCPO/GRC.
3. CEDE/GRC.
4. Sr. DEE(TRD)/ADA/CKP/KGP/RNC.
5. APO(HQ)/GRC.
6. APO(Ruling)/GRC.
7. OS/HRMS for uploading in the official website.

for **Pr. Chief Personnel Officer**

Approved Uniform Syllabus for Selection through CBT towards promotion to the post of JE(TRD), Level-6 against 25% IMAQ in Electrical Deptt. over S.E.Railway.

(1.) OHE:

1. Types of OHE and its maintenance
2. OHE Components and parameters, maintenance schedule.
3. Various types of OHE mast , portals and foundations
4. OHE arrangement in tangent/ curved tracks- Versine, Super elevation, Span Lengths, Wind pressure, Blow off stagger-factors affecting the stagger, Sag &Tension in conductors.
5. Cantilever assembly, Types of overlaps. Jumpers, Droppers, section Insulator, Turn-out, Cross-over
6. Bonding and Earthing of OHE
7. Types of Auto tensioning device and anti creep arrangement
8. Basic principles of sectioning and Sectioning arrangements
9. Types of neutral section and their usage.
10. Electrical clearance: Horizontal & Vertical, Power line crossing, Over dimensional consignments, Precautions pertaining to movement of ODCs.
11. Pantograph entanglement, Obligatory mast and track separation.
12. Power block and traffic Block, Duties of CTPC & TPC
13. Types of Tower wagons, Tower cars and its schedule maintenance, Working rules of Tower wagon/car in section
14. Unusual Occurrences Breakdowns & their restoration/Remedial Actions, Safety Precautions.
15. TDMS and UDM for TRD assets

(2) POWER SUPPLY INSTALATION:

1. Lay-out plan of TSS and its components, Supply at Traction sub-stations, Feeding and sectioning arrangement
2. Maintenance of Traction Sub-station(TSS), Feeding post(FP),Sectioning and paralleling post (SP), Sub-sectioning and paralleling post (SSP) , Sub-sectioning post (SS), Circuit Breaker, Interrupter, Isolators, Traction Transformer, Current Transformer, Potential transformer, Auxiliary Transformer, Capacitor Banks & Series Reactors, Power factor, Bus bars and connectors , Lightning Arrestor, Earthing Arrangements.
3. Types of Protective relays and their uses
4. Batteries used in TRD & their schedule of maintenance
5. DG analysis of transformer oil and BDV testing of transformer oil, Insulation Resistance
6. Basic Principal of 2X25 kV Traction system
7. Electrical accident and action to be taken, Fire precautions

(3) REMOTE CONTROL EQUIPMENT

1. Principles of SCADA Systems
2. Remote Terminal Unit (RTU),RTU Functional details,
3. UPS at RCC

(4) Establishment:

1. Leave Rules
2. Pass Rules
3. HOER
4. D&AR Rules.

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(5) **RAJBHASA**

1. Translation from English to Hindi & Vice versa
2. Categorization of Region on the basis of Rajbhasa Act
3. Recommendation as per section 3(3) of Rajbhasa Act

(6). **STORES**

1. Stock & Non stock items
2. LM-32, DMTR, DS-8, R-Note, GeM

(7) **GENERAL KNOWLEDGE & GENERAL SCIENCE**

1. States & Capitals of India & abroad, Regarding Indian Railways (Zones, Names of CRB, Members of RB, GM, DRM and parent Deptt.), General ideas about other departments of Railway.

2. Ohm's Law, Series and Parallel Resistance, Voltage, Current, Resistance, Conductors, Insulators, Force, Watt, Kilowatt, Capacitance.

This has the approval of the Competent Authority.