



## पूर्व मध्य रेलवे

मंत्रालय (कार्मिक) कार्यालय  
धनबाद - 826001

### NOTIFICATION

**Sub :** Formation of panel for filling up of vacancies for the post of JE (TRD) in Level - 6 of 7<sup>th</sup> CPC Pay Matrix against 25% IA Quota in Electrical TRD Deptt. of Dhanbad Division.

1. It is proposed to conduct a selection for formation of panel for the post of Junior Engineer (TRD) in Level - 6 of 7<sup>th</sup> CPC Pay Matrix against 25% IA Quota in Electrical TRD Department of Dhanbad Division. Break up vacancies are given as under :

Post	Level	Communal Break up of vacancies			Total
		UR	SC	ST	
JE/TRD	6	4	1	1	06

2. **Eligibility condition :**

- All serving employee having qualification of ITI/Act Apprenticeship pass in the relevant trade or 10 + 2 in Science Stream with minimum three years of service in skilled grades i.e. Technician Gr.III of Elect./TRD Department of Dhanbad Division.
- ITI/Act Apprenticeship should in trades relevant for eventual absorption in the category in which the selection is conducted i.e. trades relevant to the post of JE/TRD.
- If the employee is having 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 alongwith those with the qualification of ITI/Apprenticeship or 10+2 (Science Stream).
- Volunteering staffs should be below the age of 47 years in case of UR candidates and upper age limit of SC-ST employees would be 52 years.
- Cut of date for determining the eligibility of the staffs should be the date of issue of notification. As such volunteering employees should stand fulfill the service conditions of age and educational qualification and other conditions on the date of issue of notification.

3. **Mode of selection :**

- Selection will be of professional ability shall consist of written test only.
- The candidate has to obtain a minimum of 60% marks in professional ability i.e. written examination, for being considered for further selection process of perusal of service record and APARs. 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 at par with unreserved employee.
- The names of selected candidates will be arranged in the order of merit as per extant rules.
- Final panel will be subject to found fit in medical classification of B-1 (BEE ONE).

4. **Procedure of written examination :**

- Question paper will be 100% objective type.
- The entire question will be of multiple choices only.
- Written examination will be in the mode of pen and paper and will be conducted OMR sheets.
- No corrections (Cutting/overwriting/erasing/multiple option) of any type to objective type answers will be permitted
- Zero marks will be given answer having correction/overwriting.
- There will be negative marking @ 1/3 mark for a wrong answer.
- Question paper will be Hindi and English language only.
- Questions on official language will form part of the professional ability for 10% of total marks. The questions on official language policy are compulsory but there shall not be any compulsion on the part of the candidate to answer such questions. This will be optional.

5. **Supplementary Exam :**  
No supplementary exam shall be conducted for absenteeism.
6. **Last date of submission of Applications :**
- The willingness/unwillingness, if any received from the employees in prescribed format is to be forwarded by their controlling supervisors in the bunch to the DRM (P) Office, Dhanbad on or before **23-11-2024**. It should be personal responsibility of the Sr. Subordinate/ Supervisors to complete the formality in this respect.
  - Any willingness/unwillingness submitted after last date will not be entertained.
7. The above notification may be circulated to all the concerned without fail may be circulated to all the concerned without fail. The same is available on the Dhanbad Division website "<https://ecr.indianrailways.gov.in/divisions/dhanbad/Personnel/notification>".
8. **Date, venue and time** of written examination will be intimated to appear for the examination separately.
9. **Syllabus :** Syllabus prescribed for selection to the post of JE/TRD against 25% IAQ is enclosed as Annexure – B.
- DA: (1) Syllabus ( Annexure – B)  
(2) Proforma (Annexure – A)

  
(Ratan Rakesh Lakra)  
Divisional Personnel Officer-II  
for Sr. DPO/ECR/Dhanbad

No.E/TRD/JE (C/No. 33741)

Dated:24/10/2024

*Copy forwarded for information and necessary action to:*

- GM(P)/EC Railway, Hajipur
- GM/Vig, EC Railway, Hajipur
- Sr. DEE/TRD/DHN
- CA/Confidential Section, OS/IPAS
- All Sr. Supervisors/Elect./TRD Department/Dhanbad Division
- OS/IT Cell – Please upload the notification on website
- Divisional Secretary/ECRKU, AISC&STREA, EC Railway, Dhanbad Division
- Notice Board in the office

## Syllabus for JE-II

1. **Rajbhasha Hindi:** - Rajbhasha / Official Languages Act, 1963, Official Languages Rule 1976. Incentives / Awards / Personal Pay, Scheme of cash Awards & incentives.
2. **General:** - Railway organization & working.
3. **Stores, Accounts & Establishments**
  - a. **Stores:** - Knowledge of various stores. Stock and Non stock items, procurement of stock & non-stock items.
  - b. **Accounts:** - Elementary knowledge of budgetary control, Audit & account inspection. Dead stock register etc.
  - c. **Establishments:** - Knowledge of D&A rules, Workmen's compensation act. Service conduct rule, HOER, leave rules, Pass rules etc. Different type of leave & Pass / PTO, pension rules.
4. **Electrical Engineering:** -
  - a. Electricity & magnetism – Resistance, inductance, capacitance, basic fundamental laws. Coulomb's law, Ohm's law, Kirchoff's law, Ampere's law, etc. Conducting, insulating & magnetic materials and their properties.
  - b. Measurement of resistance, current, volt, capacitance, energy, power factor.
  - c. Electrical machines:- Basic principle of D.C. motors, shunt, series & compound generators. A.C. motors, single phase & three phase motors. Rectifier & Transformer
5. **Electrical General Services:** -
  - a) Various earthing arrangements.
  - b) Lighting of various installations & yards.
  - c) General principle of refrigeration.
6. **TRD:** - General arrangement of power supply (TSS, FP, SSP & SP), different types of boards & bonds, type of neutral sections, cantilever arrangement, ATD device.



7. **Electric Locos: -**

- a. Knowledge of AC' locos, 3-phase locos - main features, starting torque, tractive efforts & adhesion.
- b. Types of bogies used on AC' locos & their suspension arrangement, power transmission.
- c. Safety fittings, lubrications & dampers.
- d. Various types of auxiliaries used & their capacity.
- e. Air brake, regenerative & rheostatic braking, sanding, wheel sleep, EPC & EM contactors.
- f. Power circuit, Auxiliary circuit & control circuits, battery charger & pneumatic circuit.
- g. Different types of schedules & their periodicity.
- h. 3-phase loco - Introduction, Advantages, Various components & trouble shooting.
- i. Energy conservation, various methods especially for running staff & traction energy.
- j. EMU/MEMU utility, advantages, introduction to power circuit, control circuit, bogies, brake system, protective devices & trouble shooting in case of abnormalities.

for -



Handwritten signature in blue ink.

Annexure - A

**APPLICATION FOR THE POST OF JUNIOR ENGINEER/TRD (Level-6) AGAINST  
25% IA QUOTA IN ELECT.(TRD)DEPARTMENT - DHN DIVISION**

1. Name (in Block Letters) :
2. Design & Level :
3. Station :
4. Date of Birth :
5. Date of initial Appointment :
6. PF No. :
7. Age as on 24.10.2024 :
8. Education Qualification (Academic & Technical) – Self attested copy to be attached :
9. Date of entry into the present grade (i.e. Tech-I, II & III) :
10. Present Pay :
11. Whether regular or Adhoc :
12. Community :
13. Total service rendered in the Skill Grade (i.e. Tech-I, II & III) :
14. Detail of field (practical) experience :



Station :

[ Signature of Employee ]

Date :

I hereby declare that particulars furnished above by me are true and best of my knowledge and in any case of them are found false at a later date. I am liable for DAR action initiated against me by the Railway Administration.

[ Signature of Employee ]

**Certification by the Controlling Officer**

The particulars of the above named employee have been verified from the records available in this office and are found correct. The employee is continuously working in Elect.(TRD) department.

[Controlling Officer]