

EAST CENTRAL RAILWAY

Office of the DRM (P) ,Dhanbad

NOTIFICATION

Sub : Formation of panel for filling up of vacancies for the post of JE (Mech) in Level – 6 of 7th CPC Pay Matrix against 25% Promotional Quota in Mech.(Dsl) Deptt. of Dhanbad Division

1. It is proposed to conduct a selection for formation of panel for the post of Junior Engineer (Mech) in Level – 6 of 7th CPC Pay Matrix against 25% Promotional Quota in Mech.(Dsl) Department of Dhanbad Division. Break up vacancies are given as under :

Post	Level	Communal Break up of vacancies			Total
		UR	SC	ST	
JE(Mech)	6	00	01	00	01

2. **Eligibility condition :**

- Senior most Sr. Technicians (Mech) in Level – 6 of Pay Matrix who are in the normal zone of consideration for the selection in the ratio of 1:3 as per their seniority will be eligible to apply. List is attached as Annexure-A.
- Standby list of employees for the above selection is also enclosed as Annexure – B. These employees shall only be included in the main list enabling them to appear for the written examination only in the case of employees at Annexure-A expresses their unconditional unwillingness to appear for the selection on or before the cut of date i.e. **12.12.2025**. If no unwillingness is received on or before the cut-off date, the employees at Annexure-A shall be considered for appearing for the written exam(CBT Mode).
- Candidates should be prepared to work anywhere on Dhanbad Division/E.C. Railway, if placed on panel.
- SC/ST candidate from among the employees listed in Annexure-A & B may be imparted necessary pre-selection training for 3-4 weeks by Sr. DME(Dsl)/PTRU. In any case, if any employee expressed his unwillingness for pre-selection coaching, a written declaration to that effect may be obtained and forwarded to this office for record.

3. **Mode of selection :**

- Selection will be of professional ability shall consist of written test(CBT) 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 seniority as per extant rules.
- Final panel will be subject to found fit in medical classification of B-I (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 CBT in terms of RBE No. 47/2025 & 75/2025.
- No negative marking for incorrect answer for PRQ selection.
- Questions on official language will form part of the professional ability for 10% of total marks. The question on official language policy are compulsory but there shall not be any compulsion on the part of the candidate to answer such questions.

29/03/25

5. **Supplementary Exam :**

In following circumstances, supplementary examination will be held to those employees who have remained absent from the main exam :

- i) If Administration fail to failure to relieve the employees in time for examination/late intimation of the dates of test etc.
- ii) Sickness of the candidate or other reason over which the employee has no control. Unavoidable absence will not, however, include absence to attend wedding or similar function or absence over which he has control Sickness covered by a certificate from the Railway Medical Officer.

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 **12.12.2025**. 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. The same is available on the Dhanbad Division website

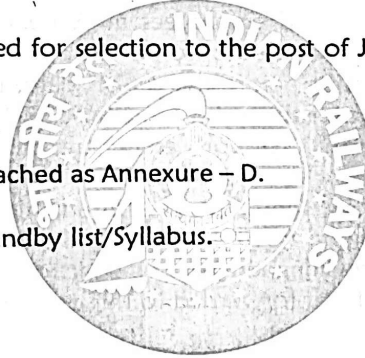
"<https://ecr.indianrailways.gov.in/divisions/dhanbad/Personnel/notification>".

8. **Date, venue and time** of written examination will be intimated separately. However, it is to advised to the employees listed in Annexure that they should be in readiness to appear for the examination, at a short notice.

9. **Syllabus** : Syllabus prescribed for selection to the post of JE(Mech) against 25% PRQ is enclosed as Annexure – C.

10. Application proforma is attached as Annexure – D.

DA/List of eligible candidates/Standby list/Syllabus.



(Raj Kumar Singh)

Assistant Personnel Officer
for Divisional Railway Manager(P)
East Central Railway, Dhanbad

Dated: 03/12/2025

No. EL/DSL/JE(MECH)/ARRGT/PRQ/IAQ (C/No.15663)

Copy forwarded for information and necessary action to :

- GM(P)/HJP
- Sr. DME(DsI)/PTRU, Sr. DME(Co-ord)/DHN & Sr DEE(TRS)/GMO
- CA/Confidential Section, OS/MPP/DHN
- All Sr. Supervisors/Mech Department/Dhanbad Division
- Ch.OS/IT Cell – Please upload the notification on websites
- Divisional Secretary/ECREU, AISC/STREA & AIOBCREA , E.C. Railway, Dhanbad Division
- Notice Board in the office

East Central Railway

No. EL/DSL/JE(MECH)/ARRGT/PRQ/IAQ (C.No.-15663)

Dhanbad, dt. 12.12.2025

Sr. DME(Dsl)/PTRU,
Sr. DME(Co-ord)/DHN &
Sr. DEE (TRS)/GMO,

Sub: - Selection for the post of JE(Mech) in Level – 6 against 25% PR Quota under Sr.DME(Dsl)/PTRU.

Vacancy: - Total = 01 (UR–Nil, SC–01, & ST–Nil)

In order to fill up the above vacancies of against 25% promotional Quota under Sr. DME(DSL)/PTRU, a selection is going to be held shortly.

In respect of the above, you are requested to arrange to intimate the following staff to keep themselves in readiness . Their name are arranged in order of seniority.

Annexure-A

Sl.No.	HRMS ID	Emp.No.	Name(S/Shri)	Comm.	Degisn/stn
01	GCSBTB	27309351796	Sudama Ram	SC	Sr.Tech(Mech)/PTRU
02	LRBEHL	27309374437	Babu Lal	SC	Sr.Tech(Mech)/PTRU
03	HLYCJZ	27307407300	Mukesh Lall	SC	Sr.Tech(Mech)/BRKA

Annexure- 'B'

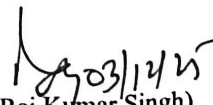
Stand by list in order of Seniority.

Sl.No.	HRMS ID	Emp .No.	Name(S/Shri)	Comm.	Degisn/stn
01	KDMYLL	27307407312	Subhash Kumar Ram	SC	Sr.Tech(Mech)/GMO
02	EPXDJF	27309351711	Deepak Kumar	SC	Sr.Tech(Mech)/PTRU
03	UPNPJI	27329801382	Brajesh Kumar Saksena	SC	Sr.Tech(Mech)/PTRU

You are also requested to provide pre-promotion training for a period of 21 days in f/o the reserved candidates (SC) who are given willingness for the said promotion and on completion of the same it should be intimated to this office with certification from each employees for further course of action from this end.

ACRs/APARs for last three years i.e. 2022-23, 2023-24 & 2024-25 in f/o of the staff concerned may kindly be kept ready.

If any of the above staff is not willing to attend the said selection he should submit written refusal before the cut of date i.e. 12.12.2025.


(Raj Kumar Singh)
Assistant Personnel Officer
for Sr. Divl. Personnel Officer
East Central Railway, Dhanbad

Copy to: - SSE/Dsl Shed/PTRU, SSE(C&W)/BRKA & CA/DHN for information and necessary action please .

Syllabus for the Selection of JE-II (Diesel) against 25% Promotional Quota./ जे0ई0-II /डीजल

Annexure - C

(प्रमोशनल कोटा) पद की चयन परीक्षा हेतु पाठ्यक्रम:

- A:
- I) General Knowledge / सामान्य ज्ञान
 - II) Hindi / हिन्दी -
 - (i) राजभाषा नियम/अधिनियम।
 - (ii) High School Level Hindi / हाई स्कूल स्तर का हिन्दी।
 - III) English / अंग्रेजी - High School Level English / हाई स्कूल स्तर का अंग्रेजी।
 - IV) Mathematics / गणित - High School Level Math. / हाई स्कूल स्तर का गणित।
 - V) Science / विज्ञान - High School Level Science / हाई स्कूल स्तर का विज्ञान।
 - VI) Safety Rules / सुरक्षा नियम:
 - (iii) Cause of the fire in Locomotive and fire fighting/ डीजल लोकोमोटिव में आग लगने के कारण एवं फायर फाइटिंग।
 - (iv) लोकोमोटिव के सुरक्षा आइटम।
 - VII) Establishment / स्थापना :
 - v) D&AR/ डी0 एण्ड ए0 आर0।
 - vi) HOER/ एच0 ओ0 ई0 आर0।
 - vii) Leave Rule / छुट्टी का नियम।
 - viii) Pass Rule/ पास का नियम।
 - VIII) Simple mathematics like- Arithmetic, Area/volume, Ratio and proportion, distance/ time, simple interest/ compound interest etc.

उपरोक्त को सं0 A: (I) से (VII) तक Mechanical (यंत्रिक) तथा Electrical (विद्युत) के लिए common (सामान्य) है।

B: Technical (Only Mechanical) / (केवल यंत्रिक)

- I) Knowledge in basic principles and working of Alco diesel engines./ अल्को लोकोमोटिव का मूल सिद्धांत एवं कार्यप्रणाली का ज्ञान।
- II) Knowledge of functioning of maintenance and test of the engine power pack assemblies: turbo supercharger, power assemblies, auxiliaries, lube oil pump, water pump, air cooler, lube oil cooler, blower, radiator and radiator fan./ पावर पैक एसेम्बली, टर्बो सुपरचार्जर, पावर एसेम्बलीज, ऑक्जिलरीज, ल्यूब ऑयल पम्प, वाटर पम्प, एयर कूलर, ल्यूब ऑयल कूलर, ब्लोवर, रेडियेटर एवं रेडियेटर फैन की कार्यप्रणाली, मरम्मत एवं परीक्षण का ज्ञान।
- III) Knowledge of fuel system, lube oil system cooling water system, air brake system, trouble shooting and maintenance./ फ्यूल ऑयल सिस्टम, ल्यूब ऑयल सिस्टम, वूलेमिंग वाटर सिस्टम एवं एयर ब्रेक सिस्टम का ज्ञान, मरम्मत Testing एवं दोष-निवारण की जानकारी।
- IV) Knowledge of functioning and maintenance of air brake system, including vigilance control device and Automatic Emergency Brakes./ विजिलेन्स कन्ट्रोल डिवाइस एवं ऑटोमेटिक ब्रेक के साथ एयर ब्रेक सिस्टम की कार्यप्रणाली एवं मरम्मत का ज्ञान।
- V) Knowledge of functioning and maintenance of compressors/ कम्प्रेसर/compressors की कार्यप्रणाली एवं मरम्मत का ज्ञान।
- VI) Knowledge of inspection and attention to under truck and loco chassis./ अण्डर ट्रक एवं लोको चैसिस के परीक्षण का ज्ञान एवं अवधान।
- VII) Knowledge of working and attention of Wood Ward Governors./ वुड वर्ड गवर्नर की कार्यप्रणाली एवं मरम्मत का ज्ञान।
- VIII) Knowledge of periodical tests carried out in the Diesel laboratory on lube oil, fuel oil, cooling water and control over their quality./ डीजल लेबोरेटरी में ल्यूब ऑयल, फ्यूल ऑयल और कूलिंग वाटर पर किये जाने वाले परीक्षण का ज्ञान एवं इनकी गुणवत्ता का नियन्त्रण।

- (IX) Knowledge of overhauling and testing fuel injection equipment./ फ्युल इन्जेक्शन उपकरण के ओवरहालिंग एवं जॉच का ज्ञान।
- X) Knowledge of load testing and remedial measures to be taken based on observation./ लोड बॉक्स टेस्टिंग एवं प्राप्त ऑकड़ों के अनुसार लिये जाने वाले सुधारात्मक निर्णय का ज्ञान।
- XI) Knowledge of various Multiple Unit operations and their testing./ विविध मल्टीपुल युनिट, आपरेशन एवं परीक्षण का ज्ञान।
- XII) Knowledge of various safety items and safety devices located in the locomotives./ लोकोमोटिव में लगे हुए विविध सुरक्षा मद एवं सुरक्षा उपकरणों का ज्ञान।
- XIII) Introduction of Diesel Department/ डीजल विभाग का परिचय।
- XIV) Knowledge of different type of schedules of locomotives and their time period/ लोको के विभिन्न शेड्यूल एवं उनकी अवधि की जानकारी।

C: Technical : Only Electrical / (तकनीकी: केवल विद्युत)-

- I. Types of Diesel locos in use and their general working principles./ वर्तमान डीजल लोकोमोटिव के प्रकार एवं उनके कार्यप्रणाली सिद्धान्त।
- II. Principles of different types of excitation systems and principles of governing power pack assembly in Alco locos./ विभिन्न प्रकार के इक्साइटेशन सिस्टम एवं अल्को लोकोमोटिव में पावर पैक एसेम्बली के संचालन का सिद्धान्त।
- III. Knowledge of Micro Processor Controller Based governor and its function./ माइक्रो प्रोसेसर कन्ट्रोलर पर आधारित गवर्नर एवं इसकी कार्यप्रणाली का ज्ञान।
- IV. Application of semi-conductors to Diesel Electrical Locos Comparative advantage – principles of working transistor circuits./ डीजल इलेक्ट्रिक लोको में सेमी कन्डक्टर का उपयोग एवं ट्रांजिस्टर सर्किट की कार्यप्रणाली सिद्धान्त के साथ तुलनात्मक लाभ।
- V. Sound knowledge of safety devices and their function./ सुरक्षा उपकरण एवं उनके कार्य का अच्छा ज्ञान।
- VI. Trouble shooting-ability to locate defects and rectify./ दोष-निवारण एवं दोषों को पता लगाकर ठीक करने की योग्यता।
- VII. Dynamic braking principles – calibration and re-calibration of circuits./ डायनामिक ब्रेकिंग का सिद्धान्त, सत्यापन एवं सर्किट का पुनः सत्यापन।
- VIII. Load testing, object of load testing and remedial measures to be taken based on observation./ लोड टेस्टिंग, लोड टेस्टिंग का उद्देश्य एवं प्राप्त ऑकड़ों के अनुसार लिये जाने वाले सुधारात्मक निर्णय।
- IX. Knowledge of Indian Electrical Act and rules./ भारतीय विद्युतीय नियम-कानून का ज्ञान।
- X. Knowledge of various warning systems./ विविध वायरिंग सिस्टम का ज्ञान।
- XI. Knowledge of various electrical circuits in the ALCO locomotives./ अल्को लोकोमोटिव के विविध इलेक्ट्रिकल सर्किट का ज्ञान।
- XII. Knowledge of Microprocessor Based Excitation Control System Schedule attentions as per extant versions./ माइक्रो प्रोसेसर पर आधारित एक्साइटेशन कन्ट्रोल सिस्टम का विस्तारित वर्सन के अनुसार सिड्युल अटेन्शन का ज्ञान।
- XIII. Introduction of Diesel Department/ डीजल विभाग का परिचय।
- XIV. Knowledge of different type of schedules of locomotives and their time period/ लोको के विभिन्न शेड्यूल एवं उनकी अवधि की जानकारी।

- XV. Electrical transmission system of locomotive and operation & trouble shooting of it's components/ डीजल लोकोमोटिव के विद्युतीय ट्रान्समिशन सिस्टम एवं इसके कम्पोनेन्ट्स, संचालन एवं दोष-निवारण।
- XVI. Basic knowledge of construction, maintenance and trouble shooting of Tr.-generator, Tr. motor and auxiliary machines/ ट्रैक्शन जेनरेटर, ट्रैक्शन मोटर एवं अक्जीलियरी मशीन की बनावट, मरम्मत एवं दोष-निवारण की मूल जानकारी।
- XVII. Basic knowledge of engine speed control system & its parts, trouble & trouble shooting/ स्पीड कन्ट्रोल सिस्टम, इसके पार्ट्स, दोष एवं दोष-निवारण का मूल ज्ञान।
- XVIII. Basic knowledge of small motors and their circuits and lighting circuit of locomotive. Knowledge of engine safety relays and their functions/ लोकोमोटिव के स्माल मोटर एवं इससे संबंधित सर्किट, लाईटिंग सर्किट की जानकारी। इंजन सेफ्टी रिले एवं इनके कार्य।

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Above items also to include for EMD locos.

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**APPLICATION FOR THE POST OF JUNIOR ENGINEER(MECH) (Level-6) AGAINST
25% PROMOTIONAL QUOTA OF MECH.(DSL) DEPARTMENT**

1. Name (in Block Letters) :
2. Design & Level :
3. Station :
4. Date of Birth :
5. Date of Appointment :
6. Emp. No./HRMS Id. :
7. Age as on 03.12.2025 :
8. Education Qualification :
9. Date of entry into Sr. Tech (Mech) :
10. Community :
11. Willingness/Unwillingness :

Affix current
passport photo

Station :

[Signature of Employee]

Date :

(Signature of Supervisor with Seal)

(Note: The responsible Supervisor must verify that all fields are completed correctly)