

No.797-E/Gaz/Gr. 'B' Sele./CBT/Electrical/70%/2025-26

Dated: 25.11.2024.

Principal Chief Electrical Engineer,
CEDE, CESE, CELE, CEE/EEM, CEGE, SDGM, FA&CAO/EG, GM/CORE, CAO/Const., CEE/Const.,
CEE/Const.-II, CWMs: JHS & STLI Workshop, CWM/RCNK/JHS, CWM/Refub/CMLRW/JHS, DRMs:
PRYJ, AGC & JHS, Sr. DEEs, Sr. DPOs, Sr. DSOs, Sr. EDPMs: PRYJ, AGC & JHS,
ED/CAMTECH/GWL, Dy. CPOs: Gaz., HQ, Const. & IR, Dy. CVO/Elect., Dy. CTM/CNB, DEEs: PRYJ,
AGC & JHS, SPOs & SEEs: JHS & STLI Workshop, Principals: ETC/CNB, CETA/CNB & STC/JHS, Sr.
Statistical Officer/NCR, AEEs/ADEEs/AXEENs: PRYJ, AGC & JHS, APOs: HQ, IR, PRYJ, AGC, JHS,
JHS & STLI Workshop, CMLRW/JHS.

NOTIFICATION

Sub: Selection for promotion from Group 'C' to Group 'B' to the post of AEE/ADEE/AXEEN against 70% quota for Electrical Department in Pay Matrix Level-8, through Centralized Computer Based Objective Type Examination (CBT) for vacancy cycle from 01.01.2025 to 31.12.2026.

Ref: Railway Board's letter No. E(GP)2024/2/28 dated 27.09.2024, 08.10.2024 & 14.10.2024 and letter No. E(GP)2024/2/09 dated 14.10.2024.(copy enclosed)

1. As advised by Railway Board vide letters referred above, it is proposed to conduct selection for the Group 'B' post of AEE/ADEE/AXEEN against 70% quota in Pay Matrix Level-8 through Centralized Computer Based Objective Type Examination (CBT) conducted by National Academy of Indian Railways (NAIR)/Vadodara for the vacancy cycle from 01.01.2025 to 31.12.2026. Main examination (CBT) is scheduled on 09.03.2025 and if required, supplementary examination on 23.03.2025.

2. The break-up of vacancies assessed are as under:-

Mode	UR	SC	ST	Total
70%Quota	10	3	2	15
30%LDCE	5	1	1	7

Instructions regarding reservation with benchmark disabilities (PwBDs) issued by DoPT vide their OM No. 36012/1/2020-Estt.(Res.-II) dated 17.05.2022, circulated by Railway Board vide letter No. E(GP)2022/2/20 dated 18.08.2022 is being followed in the selections/LDCEs.

3. Eligibility:-

- (i) In terms of Railway Board's letter No. E(GP)2019/2/25 dated 27.12.2019, (RBE No. 216/2019), for Group 'B' selections (70% quota), Group 'C' employees working in Level-6 and above in Pay Matrix with 3 years of non-fortuitous service in Level-6 and above in Pay Matrix (including non-fortuitous service rendered in the corresponding pre-revised grade pay) will be eligible.
- (ii) In terms of Railway Board's letter No. E(GP)2024/2/28 dated 08.10.2024 (RBE No.93/2024) and in modification of provisions of para 203.4 of IREM Vol.I, it has been decided by Board that henceforth, in respect of Selections (70%) to Group-B posts in all departments, all employees who are eligible and who volunteer for the selection, should be considered without any limitation of number, as is being done in case of Selection to the Group-B post of Assistant Personnel Officer.

- (iii) It has been clarified that instructions contained in Board's letter No. E(NG)I 2023/PM/4/2 dated 02.03.2023(RBE No.40/2023) are not applicable while determining eligibility for promotions from Group 'C' to Group 'B' posts. Accordingly, an employee should have rendered the requisite eligibility service in the relevant grade(s) after absorption in the alternate post for being eligible for promotion to Group 'B' posts. **(Authority Railway Board's letter No. E(GP)2024/2/09 dated 14.10.2024).**

In case of employees, whose appointment were subject to completion of satisfactory training against the post they were so appointed, the length of service should be reckoned including the training period prescribed.

In terms of Railway Board' letter No. E(GP)2005/2/87 dated 18.08.2015(RBE No. 92/2015), for determining the eligibility of running staff for selection to the Gr. 'B' posts, the grades of running staff may be equated with those of the stationery staff as indicated below:

Designation	Scale of pay applicable (VI CPC)	Scale of stationary post to which should be equated (VI CPC)
Loco Pilot (Mail/Exp)	PB-2+GP Rs. 4200 + 1000 addl. allowance	PB-2+GP Rs. 4600
Loco Pilot (Passenger)	PB-2+GP Rs. 4200 + 500 addl. allowance	PB-2+GP Rs. 4600
Loco Pilot (Goods)	PB-2+GP Rs. 4200	PB-2+GP Rs. 4600
Loco Pilot (Shunting)I (NF)	PB-2+GP Rs. 4200	PB-2+GP Rs. 4200
Loco Pilot (Shunting)II	PB-1+GP Rs. 2400	PB-2+GP Rs. 4200

In terms of Board's letter No. E(GP)2005/2/42-RBE No. 161/2005 dated 21.9.2005, the date of commencement of the vacancy period should be taken as the cut-off date for determining the eligibility of candidates for appearing in the selections for promotion from Gr. 'C' to Gr. 'B' post against the vacancies to be filled in the said period. As such the cut-off date for reckoning eligibility of candidates for appearing in selection for the assessment period 2025-2026 will be 01.01.2025 for promotion to Gr. 'B' post of AEE/ADEE/AXEEN against 70% quota.

The eligible employees should submit their applications duly forwarded by immediate supervisor/officer through proper channel in their respective office in the prescribed proforma **(Annexure-'A')** enclosed (in triplicate) on or before **02/12/2024** and acknowledgement to this effect may be obtained. It is mandatory to fill each and every column with correct information. Applications received after **02/12/2024** should not be entertained and summarily rejected. If no application is received by the office concerned, a certificate should be given to the Personnel Department of HQ/Division/Workshop/Unit concerned that no application has been received in their office.

The applications received by the respective office may be sent to the Personnel Department of HQ/Division/Workshops/Units by **04/12/2024** retaining one copy of application in their office for record.

Applications received after **04/12/2024** should not be entertained by the Personnel Department of respective HQ/Division/ Workshop/Unit concerned.

4. **SCRUTINY**

The Personnel Department of the HQ/Division/Workshops/Units will arrange to register the applications received indicating names of the employees of each office who have applied for the selection. The Personnel Officer/Officer in-charge of Establishment of the HQ/Division/Workshops/ Units should scrutinize the applications and verify the eligibility as per the Service record maintained by them and certify their eligibility or otherwise in the application of each candidate. After scrutinizing the applications, the HQ/Division/Workshops /Units should forward the list of eligible candidates only, in the enclosed proforma (Annexure –‘B’) alongwith the applications. One copy of application of each employee will be retained in the HQ/Division/Workshops/Units and one copy should be forwarded to Personnel Department of HQ office per bearer alongwith covering letter so as to reach Dy. CPO/Gaz./NCR/HQ/PRYJ on or before **06.12.2024**. Under no circumstances, applications will be accepted after the due date. While forwarding the applications, Dy.CPO/Sr.DPO/DPO/SPO/ APO/Establishment officers should certify that no applications is left out with them. List of the eligible candidates in Annexure –‘B’ may also be provided in soft copy in excel sheet, repeat provided in soft copy in excel sheet as well as through e-mail at gaztrgncr@gmail.com.

Similar exercise as mentioned in Para above should be done by the Dy. CPO/HQ & APO/HQ in respect of the staff of HQ office.

In case a candidate is found ineligible for the above selection at any stage, his/her candidature will be summarily rejected. It may be ensured that the applications of candidates working under Construction Organization should be submitted through Dy.CPO/Const./NCR/HQ/PRYJ.

5. **Syllabus:**

A copy of the syllabus for 70% selection for promotion to Group ‘B’ posts of AEE/ADEE/AXEEN in Electrical Department, circulated by Railway Board vide letter E(GP)2022/2/4 dated 07.11.2022 is attached as **Annexure-‘C’**.

6. **PRE-SELECTION TRAINING TO SC/ST EMPLOYEES**

All the eligible SC/ST candidates are required to be given pre-selection coaching/training as per syllabus attached as **Annexure ‘C’** to be organized by the Sr.DEE, DEE, ADEE/AEE concerned as per extant instructions contained in Railway Board’s letter No. E(GP)2010/2/39 dated 28.08.2019 (RBE No. 142/2019). Sr.DEE, DEE, ADEE/AEE Officers in charges will be personally responsible to spare the staff for pre-selection coaching/training well in time. The eligible SC/ST candidates working in the Headquarters Office & PU should be attached with Prayagraj Division and Construction Units should be attached with adjacent Divisions for pre selection Coaching/Training.

Training may be imparted to SC/ST candidates who are found eligible for appearing in the selection by the Divisions/Workshops/Units. In case any SC/ST candidate is not interested for pre-selection Coaching/Training his/her written refusal may be obtained and sent to this office in original through special messenger.

On completion of the Coaching/Training, a certificate to this effect and schedule of pre-selection coaching containing date, time, venue, name of the lecturer, topics/subjects & attendance sheet of eligible SC/ST employees must be sent to this office in proforma enclosed herewith as **Annexure 'D'**.

7. Scheme of Examination:

In terms of Railway board's letter No. E(GP)2022/2/4 dated 07.10.2022, the examination through CBT shall comprise of one paper which shall have 100% Objective type Multiple Choice Questions only. The paper will be of 100 marks and the distribution will be as under-

a	Professional Subject including optional questions of 10 Marks on Official language policy & Rules	:	70 Marks
b	Establishment and financial Rules	:	30 Marks
c	Qualifying marks	:	60 marks with relaxation as per extant rules
d	Duration/ Time	:	Two Hours
e	In terms of Railway Board's letter No. E(GP)2024/2/28 dated 08.10.2024(RBE No.93/2024) , issued in partial modification of Board's letter dated 19.03.2019 <i>ibid</i> , there shall be no negative marking in written examinations held as part of Selections(70%) where the final panels are made on seniority basis.		

8. Written(CBT) and Viva-Voce:

This selection will comprise of Written/CBT examination followed by viva-voce test. Only those qualify in the Written/CBT examination and pass the prescribed standard of medical examination, as detailed in Railway Board's letters No. E(GP)80/2/8 dated 31/10/91, letter No. 99/H/5/3 dated 21.05.1999, & 18.12.2000, will be called for the Viva-voce test and without medical fitness certificate candidates will not be eligible for attending viva-voce test. In this regard provisions laid down in paras 529 and 530 read with para 503 of IRMM/Volume-I, 3rd Edition 2000, are relevant.

9. Supplementary:

If required, a supplementary written test will be conducted on **23.03.2025** subject to the following conditions and extant rule in this regard:

- Only the employees who are detained on administrative account from appearing in the main written test (CBT) will be allowed to appear in the supplementary written test (CBT) after Personnel Officer in-charge gives categorical reason with regard to employees failure to appear in the main examination (CBT).
- The employees who are under sick (RMC) during examination or otherwise and are continuing so since the date well before examination date will only be allowed to take supplementary written test after MS/DMO's Railway Certificate to this effect that they were not fit to appear in the said written test, countersigned by the controlling officer and duly forwarded by the Personnel Officer in-charge.

If any employee is issued G-92 on his request due to sickness, it may please be ensured that in red ink it should be clearly mentioned in G-92 that the employees concerned has to appear in the Written Examination (CBT) for the post of AEE/ADEE/AXEEN on specific date.

- Any reason, over which employees have no control, will only be allowed to take supplementary written test (CBT) on submission of supporting documents, countersigned by the controlling officer and duly forwarded by the Personnel Officer in charge with categorical reason in regard to employees failure to appear in the main examination.

- d. Employees who are absent for main written test will not be allowed to appear in supplementary examination except the circumstances as mentioned at para-(a), (b) & (c) above.
- e. It will be the responsibility of the each candidate appearing in the examination to ensure that they submit their claim for appearing in supplementary examination based on aforementioned reasons within five days of the conduct of written test through CBT (Main Examination).

10. Other Conditions

- a. The office concerned from where they proceeded on deputation must inform the staff who are on deputation or working with other Department/Ministries well in time. Their applications also must be routed through 'Personnel Branch' of their parent office and sent to this office after verification of their eligibility.
- b. The candidate applying for appearing in the selection shall mention the personal Mobile No. registered in his/her account. The respective Divisions/Units shall check and ensure that Mobile No. mentioned by the candidate has been updated in his/her HRMS account as OTP will be received on the same mobile number for downloading of hall tickets etc. This should invariably be ensured.

Sr. DPOs, Dy. CPOs, DPOs, SPOs, APOs & controlling officers of the employees may personally ensure that this notification has been given wide publicity to all concerned so as to enable the eligible candidates to apply for appearing in the aforesaid selection well in time. Displaying of this notification in the prominent Notice Boards of the respective offices of HQ/Divisions/Workshops/Units may also be ensured.

The time line for conducting the selection (CBT) against 70% quota vacancies is as under:-

Last date of submission of application by the applicant in their respective office	Submission of application at concerned Personnel Branch	Submission of application in HQrs office	Date of written examination (CBT)
02.12.2024	04.12.2024	06.12.2024	09.03.2025


The notification is also available on this Railway's website – www.ncr.indianrailways.gov.in

(About us → Department → Personnel → NCR Gazetted Section → CBT)

Receipt of this notification may please be acknowledged.

Hindi version will follow.

DA: As above


(Rajesh Kumar Sharma)
Dy. CPO/Gaz.
for General Manager (P)

Copy forwarded for kind information to:-

1. Secy. to GM
2. Secy., Estt. (GP), Railway Board, New Delhi
3. PS-I to PCEE.
4. PCPO, CPO/Admn, PCMD
5. CMSs: PRYJ, AGC, JHS & CNB
6. CPRO

Application for selection to the post of AEE/ADEE/AXEEN (Gr. –'B') against 70% for
Electrical Department for Vacancy Cycle -2025-26

Ref: No.797-E/Gaz/Gr. 'B' Sele./CBT/Electrical/70%/2025-26 dated 25.11.2024

(It is mandatory to fill each and every column with correct information)

1.	Name (in block letters):.....				
2.	Father's Name:.....				
3.	I PASS number (11 digit employee ID):.....				
4.	HRMS ID:.....		5.	Designation:.....	
6.	Mobile No (as registered with HRMS ID)	7.	e-mail ID :.....	
8.	Place of posting:.....		9.	Division/workshop/unit:.....	
10.	Controlling officer:.....		11.	DOB (DD/MM/YYYY):.....	
12.	Community (UR/SC/ST):.....		13.	Whether a PwBD (Yes/No) :.....	
14.	Date of initial appointment	Designation	Grade / Level		Railway / Division / Unit
15.	Lien holding Railway :		16.	Department :	
17.	Details of service: (MACP dates not required, write date of regular promotion in the corresponding Grade / Level):-				
	a)	Date of promotion/appointment in Level-6 (7 th CPC) / PB-2, ₹. 9300-34800, GP ₹. 4200/-(6 th CPC)			
	b)	Length of non-fortuitous service in Level-6 (7 th CPC) / PB-2, ₹. 9300-34800, GP ₹. 4200/-(6 th CPC) as on 01.01.2025 :Years.....Months.....Days			
	c)	Date of promotion/appointment in Level-7 (7 th CPC) / PB-2, ₹. 9300-34800, GP ₹. 4600/-(6 th CPC)			
	d)	Length of non-fortuitous service in Level-7 (7 th CPC) / PB-2, ₹. 9300-34800, GP ₹. 4600/-(6 th CPC) as on 01.01.2025 : Years MonthsDays			
	e)	If you transfer from other Railway either on own request or Mutual basis, please filled up the followings:-			
		Mode of Transfer Own Request/Mutual	Transfer from which Railway with date	Date of joining in NCR	Name of Post
f)	In case of Medically de-categorised personnel, i)please indicate the date of decategorisation:, ii) Date and total length of service in level-6 and above, after decategorisation (alternate post).....& Years MonthsDays				
18.	PwBD categories (candidates claiming relaxation under PwBD categories should fill up the followings), if Yes, in Column 13				
	PwBD categories (write a, b, c, d & e)	Percentage of disability	Disability certificate no.		Valid upto
19.	If a PwBD, whether entitled to Scribe (Yes/No), if yes, (enclosed PwBD Certificate)				
20.	Whether eligible for compensatory time (Yes/No), if yes, enclosed certificate.				

(Signature of the employee with date)

Name:

21	I hereby declare that I am eligible and all the information given in this application are true, complete & correct to the best of my knowledge and belief. I understand that in the event of any information given herein, if found false or incorrect or concealed, my candidature will liable to be terminated and D&AR action can be taken against me for this.
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Affix recent passport size colour photograph of the employee duly attested
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(Signature of the employee with date)

Name: _____

-----X-----X-----X-----X-----X-----X-----

Signature with date of the immediate supervisor forwarding application of eligible candidate only :

Office Seal :

Forwarded to Controlling officer

Signature of Controlling officer

with date & office seal

-----X-----X-----X-----X-----X-----X-----

Forwarded to Headquarter office

Forwarded to Dy. CPO/Gaz/NCR/HQ/PRYJ, Mandakini Building, 'G' Block, Subedarganj, Prayagraj. The particulars given by the employee in this application have been scrutinized and found correct as per Service Record & the above named employee is eligible, repeat, is eligible to appear for selection to the Post of AEE/ADEE/AXEEN against 70% Quota & It is certified that no ad hoc or fortuitous service has been taken into account for computing the eligibility as on 01.01.2025. In case of any variation in the service particulars this office shall be held responsible.

Signature & name with official seal of the
Controlling Officer i.e. Personnel Officer of
respective Division/Workshops/Units

Centralised CBT for Gr.B posts against 70% Selection quota for the vacancy cycle 2025-26																				Annexure-B	
Format of particulars of eligible applicants to be sent to NAIR																					
Sl. No.	Railway / PU	Post Name	Name of the applicant	I-PAS No.	HRMS ID	Designation	HRMS Linked Mobile No.	Email ID	Place of posting	Division/ workshop/ Unit	Controlling officer	DOB (DD/MM/YYYY)	Community (UR/SC/ST)	PwBD or not (Yes/No)	If Yes, PwBD category	If a PwBD, whether entitled to scribe (Yes/No)	Weather eligible for compensatory time (YES/No)	Proposed Exam City	Remark		
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]		
1																					
2																					
3																					
4																					

Note1:-(Column-5) I-PAS No. should be of 11 digits. In case the employee ID is less than 11 digits, equal number of zeroes may be pre-fixed to make it 11 digit.

Syllabus for promotion to Group- B posts - 70% selection and 30% LDCE.Syllabus for Establishment Rules:

1. Organization of the Personnel Department in Railways objectives functions and policies of Personnel Department.
2. Recruitment and Training, Classification of Services, Recruitment in Different services, Railway Recruitment Boards & Railway Recruitment Cells Compassionate Ground Appointments, Initial & In Service Training, Refresher Courses, Central Training Institutes, Training Centers in Zones, Divisions & Workshops, Training Modules for different posts, Training under Apprentices Act, Online Training, APARs.
3. General conditions of service in Railways, Seniority, Lien, Inter Railway & Inter Division transfers, Deputation, Promotion Policy & methods. Selection, Suitability, Trade Tests, Leave Rules, Pass Rules, Joining Time Reservation policy, HOER, Overtime, Payment of wages, current CPC Pay Rules, Advances in Railways.
4. Manpower planning, Rightsizing & Benchmarking, creation, extension and surrender of posts, creation of posts against new assets, different types of posts including workcharged posts.
5. The Railway Servants (Discipline & Appeal) Rules, 1968 and related instructions.
6. The Railway Services (Conduct) Rules, 1966 and related instructions.
7. Retirement benefits, qualifying service, pension, family pension, commutation gratuity, new pension scheme.
8. Staff welfare, SBF, Railway institutes, Railway schools, Ex-gratia payment, Incentive Bouns Scheme, Staff Grievances Redressal Mechanisms.
9. Industrial relations in Railways, recognized trade unions, industrial disputes. The Industrial Disputes Act, 1947. The Industrial Relations Code, 2020. The Trade Unions Act, 1926, PNM, PREM, JCM, Various Associations & Informal Meetings.
10. The Factories Act, 1948. The workmen's Compensation Act, 1923. Functions of Labour Enforcement Officers, Right to Information Act.
11. The scope of Information Technology in Railway e – office. HRMS, IPAS , LIMBS, ARPAN, CPGRAMS, ANUBHAV etc.

Syllabus for Financial Rules:

1. Parliamentary Control over Railway Finance, Public Accountability, Canons of Financial Propriety.
2. Railway Budget - Budgetary terms, Types of Budgets, Budget cycle, Demand of Grants, Budgetary and Financial Reviews.
3. Rules of Allocation - Classification of expenditure - Control of expenditure - Responsibility Accounting - Performance Budgeting - Exchequer Control - Financial Results of Working lines.
4. Works Programme - Financial justification of Works - Surveys - Preparation of Estimates - Capital Budget - Control over Capital Expenditure - Reappropriation of Funds.
5. Financial control over Stores Expenditure - Purchase and Stores Keeping Procedure - Inventory Control and ABC Analysis.
6. Financial & Cost Control in Railway Workshops/Sheds/Units.
7. Rules and procedure relating to Tenders and contracts for execution of works and Procurement of Stores, M&P Programme and RSP.
8. Procedure for Possessing and finalizing Audit Objections and Draft Paras.
9. Delegation of Powers.
10. Losses, Frauds and Embezzlements.
11. General Financial Rules
12. Government e-Market (GeM)
13. Classification of Railway Revenue (Earnings)
14. Information Technology in general with specific reference to Railway's IT Applications
15. Taxation matters with special focus on GST & Income Tax
16. Organization of CGA and C&AG
17. Any other topic felt necessary from time to time

Syllabus for 70% Selections for promotion to Group 'B' posts of AEE in Electrical Department.

A. Professional Subjects:

Part I: General Electrical Engg.

1. Electrical Circuits: Electrical Circuit Elements (Resistance, Inductance and capacitance), Voltage and Current Sources, Ohm's law, Kirchoff's Voltage and Current Laws, DC & AC circuit analysis.
2. Electronic Devices & Analog Electronics: Semiconductor Diodes, Diode Rectifiers, Bipolar Junction Transistor, JFET, MOSFET, Transistor Biasing Circuits.
3. Power Electronics: Characteristics and comparison of Power Diodes, BJTs, Thyristors, SCR, GTO, IGBT and Power MOSFET. One phase and Three phase uncontrolled and controlled rectifiers, Features and working of Variable Voltage Variable Frequency (VVVF) drives and its applications.
4. Electrical Engg. Materials: Properties & applications of Electrical insulating materials, Magnetic materials, Conducting materials & Semiconducting materials.
5. Electrical Machines: DC Machines, Induction Machines and Synchronous Machines. Losses in rotating machines. Single phase and three phase transformers. Losses and efficiency of transformers, Machine Drives.
6. Renewable Energy Sources: Climate change, Global warming, Various sources of Renewable energy- Resources and applications, Solar Cells, Rooftop solar and land based solar plants- Concepts of Basic Design, construction and maintenance, Off grid and Grid connected solar plants, Wind turbines, Net Zero carbon emission, ECBC, Round the clock green energy, Energy Storage systems, Policies and regulations , Net and Gross metering, Business model, tendering.
7. Power System and Protection: Basic concepts of electrical power generation and various equipment. Concepts of transmission lines, cables, Series and shunt compensation, Electric field distribution and insulators, Distribution systems, Per-unit quantities, Circuit breakers, Concept of protection.

Part II: Railways Electrical Engg.

1. General Services:

- a. Power Supply arrangement: Radial distribution system, Looped(Ring Main)
- b. distribution systems. Layout & Equipment at Distribution sub-station. Operation & Maintenance of sub-station, Various testing at sub-station, overhead & underground distribution, protective devices & their coordination. Construction, erection & commissioning of new sub-station and distribution lines. Basic features of PVC and
- c. XLPE cables. Cable rating and derating, Cable laying. Concept of average

demand, peak demand, load factor & electrical billing. Power factor improvement, Electrical & fire safety, Safety auditing of sub-station, concept of energy audit, Functions of Electrical Inspector to Government (EIG) in Railways. Power line crossing, Electricity Act-2003, CEA Regulations, SCADA and Substation automation. Earthing arrangement.

- d. Building Electrification: Types of various wiring methods, metering & safety measures. Wire, switchgears & fittings used for wiring, Energy efficient appliances, scale of fittings as per policy in various types of quarters, various types of Tariffs, commercial connection, concept of prepaid and postpaid metering, concept of smart meters. Safety coordination, Electrical accidents and prevention.
- e. Illumination & Lighting: Various parameters related to illumination, Different types of illumination sources, lighting methods, classification of lux levels at various types of stations, yard lighting & street lighting. Passenger amenities at Railway stations.
- f. Water supply: Types of water supply system, Pumping system, Classification of pumps, Comparison of various pumps, fluid theory, discharge calculations. Centrifugal pump, turbine pump, Submersible pumps, characteristic curve of pumps, efficiency. Cavitations & priming of pumps, necessity of multistage pumping, storage capacity and purification of water. Installation, maintenance & troubleshooting of pumps, Starter & drives of pumps, automation of pumps.
- g. Lift & Escalator: Working of Lift & Escalator, Installation of Lift and Escalator. Maintenance, various safety devices, control panels & Safety aspects.
- h. Air Conditioning & Refrigeration: Theory of air conditioning, refrigeration cycles, various types of refrigerants, window/split/package AC unit. Central air conditioning plant, VRF system, air cooling systems, planning for capacity and drives for refrigeration plant, Maintenance and troubleshooting.
- i. Energy Conservation: Need of conservation of energy, Various measures being taken by railways to conserve energy in the field of Electrical General Services. Necessity and implementation of Open Access in Indian Railways. Energy conservation Act.

2. Traction distribution:

- a. OHE: Basic design concepts of TRD system of conventional and 2x25kV system. Types of overhead equipment. Sectioning principles of OHE. Various parts of OHE. Foot Patrolling, current collection, Tower wagons, seasonal & cyclic checks, maintenance Schedule, Preventive maintenance Tools, failure investigation of OHE, earthing and bonding. Railway Electrification and process of construction. Power Blocks & Procedure to obtain it.
- b. PSI: Schematics of 1x25kV and 2x25kV traction substation with names/ratings of various equipment, protection scheme for TSS. Fixed and dynamic PF correction, Feeding stations, SSP & SPs, 132 kV transmission lines, PSI equipment.

Maintenance and failure investigation of PSI equipment.

- c. SCADA and Miscellaneous items: Operation and maintenance of remote control, traction power control organization, permit to work, emergency arrangements, coordination with operating and other departments. Liaison with supply authorities, maintenance and failure investigation of SCADA equipment.
- d. NDT techniques, Open Access, safety precautions for electrified sections, Latest development in TRD, MSG meetings. Instructions issued by Railway Board, RDSO's TI/MI, TCs, IRSOD & ACTM.

3. Train Lighting and AC Coaches:

Systems of Train Lighting and Air conditioning on coaches, Self Generating Coaches, ICF TL/AC Coach Generation system. Equipment, circuits and protection in ICF TL/AC coaches. Emergency feed extension in coaches. EOG and HOG systems in coaches - Hotel Load converter and Interlocking panel. Equipment, power circuits and protection systems in LHB TL/AC coaches, Power car and Pantry car. Air Conditioning in ICF/LHB coaches, Heat Load Calculation, Precooling, Pulldown and Dynodrive tests. Maintenance schedules of ICF and LHB coaches. Duties of ACCM/ACCA. Pre-cooling of AC Coaches. Fire causes and prevention measures in coaches. SMLs, Modification Sheets and Technical circulars issued by RDSO and instructions by Railway Board and RDSO.

4. Electric Locos:

Organizational structure and duties of officers & staff. Conventional AC & 3 phase locomotives on IR. Equipment in locomotives, their functioning / operations, maintenance / overhauling and testing parameters & maintenance schedules. Reliability & safety action plans. Traction Power Circuit, Auxiliary Circuit, Control Circuits and Pneumatic Circuits. Different types of braking arrangements. Locomotive maintenance schedules & various tests to be carried out. Working of Electric Loco Shed & Electric Loco Workshop. Safety items and safety checks involved in safe locomotive operation. Relevant paras of ACTM, Accident Manual, G&SR, IR SOD and Instructions issued by Railway Board, RDSO and CLW. Latest developments in the field of electric locomotives.

5. EMU and MEMU/Metros:

Concept of EMU/MEMU/Metro trains, various types of EMU/MEMU stock, Conventional & 3 phase EMUs & their salient features. Different types of brakes used in EMU/MEMU/Metros. Power circuits, auxiliary, control circuits. Mechanical components and its functions. Different electrical equipment and its functions. Inspection/Maintenance/Overhauling schedules of EMUs/MEMU/Metros. Safety precautions and fire prevention in EMU/MEMU/Metros. Train Control Management System(TCMS). Recent developments in EMU/MEMU/Metros.

6. Electric Loco and EMU Operation:

Organizational structure and duties of officers & staff. Crew management – Training, Monitoring & Counseling. Crew & loco links. HOER & Duty Rules. Loco utilization. SPAD (Signal Passing At Danger). Management of Crew lobby, running room, trips shed & TLC / Power controller office. Working of CMS & FOIS. Safe, punctual & efficient loco / EMU operation with online troubleshooting of locomotive / EMU failures. Relevant paras of ACTM, Accident Manual, G&SR, Instructions issued by Railway Board & RDSO. Latest developments in the field of electric locomotives / EMU operations.

7. Store Matters:

Procedure related to procurement of stock items and non-stock items, distribution and accountal of stores. Receipt and custody of stores. Sale of surplus stores. Inventory management, ABC Analysis. Procurement through GeM, IREPS. Schedule of powers under stores matters.

8. Tenders and Contracts:

Work proposals, Types of estimates & estimation stages. Type of tenders, earnest money, Performance guarantee, security deposit, technical & financial eligibility criteria, Merits and demerits of EPC tender. IRPMS. Procedure and stages of e-tendering through IREPS, General Condition of Contract (GCC) for works and service contracts, various provisions in Schedule of Power (SOP) under works matters, Basic principles of Project management, quality control in electrical works.

Annexure - 'D'

Statement of pre-selection coaching of SC/ST employees for selection to the post of AEE/ADEE/AXEEN (Gr 'B')
against 70% PQ held from _____ to _____

DATE	Duration/Time		Name of Officer/Lecturer	Venue	Subjects taught
	From	To			

Number of SC/ST candidates who attended pre selection training/coaching : _____

Number of SC/ST candidates who have given refusal to attend pre selection training/coaching : _____.

Number of SC/ST candidates who remained absent during pre selection training/coaching: _____

Signature of Personnel officer /

Controlling officer

(with date & office seal)

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

New Delhi, dated: 27.09.2024

No. E(GP)2024/2/28

The General Managers,
All Indian Railways & Production Units.

(Kind Attn.: PCPO / PFA / Dy. CPO (G) / Dy. CAO (G))

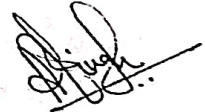
Sub.: Promotions to Group 'B' posts in Indian Railways through Centralized Computer Based Test (CBT) in all departments having Organized Services.

The results of the Centralized CBT conducted on 04.08.2024 under 30% LDCE (Special Drive) has since been declared by NAIR for all the departments (except ACM and AEE) on 06.09.2024. Accordingly, it is advised that the panels of all the posts (excluding ACM and AEE) on the basis of the said examination may be finalized latest by 04.10.2024.

2. Besides, the 70% Selection and 30% Limited Departmental Competitive Examination (LDCE) for filling up Group 'B' vacancies for the vacancy cycle 01.01.2025 to 31.12.2026 through Centralized CBT is planned shortly. As such, the Railways are advised to initiate the preparations at their end. Model calendar for the same shall be issued separately.

2.1 Herein, it is advised that in terms of Para 202.2 of Indian Railways Establishment Manual Vol. 1, the vacancies due to arise in the next 6 months (i.e., upto 30.06.2027) should also be included to the assessment made for the aforesaid vacancy cycle to cater to unforeseen contingencies and the panel should be formed for the total number of vacancies.

3. Further, considering the shortage of officers on Railways, Board has decided to grant one-time dispensation to the Railways to include upto 100% of STS and JTS / Group 'A' vacancies in assessment of Group 'B' vacancies for the aforesaid vacancy cycle, if considered crucial to the working of the system by the General Manager. These vacancies may be distributed between both 70% Selection and subsequent 30% LDCE.



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2

RBE No. 93/2024

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No. E(GP)2024/2/28

New Delhi, dated: 08.10.2024

The General Managers,
All Indian Railways & Production Units.

[Kind Attn.: PCPO / PFA / Dy. CPO (G) / Dy. CAO (G)]

Sub.: Promotions from Group 'C' to Group 'B' posts - Centralized CBT.

In terms of Para 203.4 of Indian Railways Establishment Manual Vol. I, the Zone of Consideration of eligible candidates for Selections for promotion to Group 'B' posts is determined in accordance with sliding scale in the order of seniority. In this regard, it has been decided by Board that henceforth, in respect of Selections (70%) to Group 'B' posts in all departments, all employees who are eligible and who volunteer for the Selection, should be considered without any limitation of number, as is being done in case of Selection to the Group 'B' post of Assistant Personnel Officer.

2. It has further been decided that in partial modification of Board's letter no. E(GP)2018/2/31 dated 19.03.2019, there shall be no negative marking in written examinations held as part of Selections (70%) where the final panels are made on seniority basis. However, negative marking @1/3rd of a mark for every wrong answer in the LDCEs (30%) where panels are prepared on the basis of merit shall continue.

3. The aforesaid instructions would apply to Selections / LDCEs notified after the date of issue of these instructions. Any Selection which has already been notified should be dealt with in terms of existing instructions only.

4. These instructions should be widely circulated.

5. Please acknowledge the receipt.

6. Hindi version will follow.

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GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No. E(GP)2024/2/09

New Delhi, dated: 14.10.2024

The General Manager,
North Eastern Railway, Gorakhpur.
Central Railway, Mumbai.

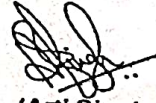
(Kind Attn: Dy. CPO (G)s)

Sub.: Promotion from Gr. 'C' to Gr. 'B' posts - clarification regarding medically de-categorized staff.

Ref.: I.) N.E. Railway's letter No. NER-HQ0PERS (SELB)/18/2023-
O/o/APO/GAZ/HQ/NER (106296) dt. 13.08.2024.
II.) Central Railway's letter No. P/CR/HQ/Gaz-Sel./260/7/APO(70%)-
2 dt. 14.08.2024.

In terms of Board's letter of even number dated 05.07.2024, it has been clarified that instructions contained in Board's letter No. E(NG)12023/PM/4/2 dated 02.03.2023 (RBE 40/2023) are not applicable while determining eligibility for promotions from Group 'C' to Group 'B' posts. Accordingly, an employee should have rendered the requisite eligibility service in the relevant grade(s) after absorption in the alternate post for being eligible for promotion to Group 'B' posts.

2. Herein, it is further clarified that the aforesaid instructions pertain only to reckoning eligibility for promotion to Group 'B' posts. The seniority of medically de-categorized employees shall be determined in terms of Paras 313(ii) and 1310 of IREM Vol.I.



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Copy to: All Zonal Railways/Production Units.

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No. E(GP)2024/2/28

New Delhi, dated: 14.10.2024

The General Managers,
All Indian Railways & Production Units.

(Kind Attn.: PCPO / PFA / Dy. CPO (G) / Dy. CAO (G))

Sub.: Promotions to Group 'B' posts in Indian Railways through Centralized Computer Based Test (CBT) in all departments having Organized Services for the vacancy cycle beginning 01.01.2025.

Ref.: Board's letter of even number dated 27.09.2024.

With reference to the Virtual Conference with all Dy.CPO(G)'s and NAIR conducted by Board's office today, all Zonal Railways/PUs are advised to ensure finalization of the assessment of vacancies and thereafter, Issuance of notifications for the 70% Selection for filling up Group 'B' vacancies for the period from 01.01.2025 to 30.06.2027 through Centralized CBT, latest by 23.10.2024. The Model Calendar for the same shall follow shortly.



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Copy to : Shri Rakesh Rajpurohit, Dy. Director General, NAIR, Vadodara, Gujarat.