



SOUTHERN RAILWAY

General Manager's Office,
Personnel Department,
Chennai - 600 003.
Date: 04.07.2025

No. P(G)532/VII/AEE/70% Selection/CCBT/2025-2026

DGM/Co-ordination & Secretary to GM for kind information of GM
PPS to AGM for kind information of AGM
PCEE, PCSO, CEE/Plg., CELE, CEDE, CESE, CEGE, CPM/GS/SA, CEE/CN/MS
CAO/CN/MS, CEE/Proj/MAS, CWM/CW/PER, LW/PER, GOC, PTJ
DRM/MAS, TPJ, MDU, PGT, TVC, SA
All Sr.DEES/Dy.CEEs/DEES/SEES/XEEs-MAS, TPJ, MDU, PGT, TVC, SA, AJJ, TBM
AVD, ED, VLCY, PRS/MMC/MAS, HQ, CN, ERS, WM/Elec/LW/PER.
DRM/P/MAS, TPJ, MDU, PGT, TVC, SA
Dy. CPO/CW, LW & Elec WS/PER, Dy.CPO/CN/MS & ERS, Dy.CPO/WS/GOC
APO/TM/RPM & EWS/AJJ, APO/CW,LW, Elec WS/PER
GM/P/CORE/ALD, The MD/CRIS/NDLS,
The Managing Director, RITES, 27, Perakamba, New Delhi-110 001.,
The Director/RDSO, Manak Nagar, Lucknow-226011.
The Managing Director, RITES Mount Chambers, 4th Floor 758, Anna Salai, Ch - 2,
The Managing Director, IRCON, 13, Pallika Bhavan, RK Puram, NDLS
The Joint General Manager/F, RVNL, Mezzanine Floor, Tirumalai Railway Station, Mylapore,
Chennai-600004.

Sub: 70% Selection for the Group-B post of AEE - Electrical Department in
Pay Matrix Level-8 –through CCBT - Reg.

Ref: This Office Notification of even No. dtd. 22.11.2024.

Further to the reference cited above, the final vacancies assessed for 70% Selection for the Group "B" post of AEE in Electrical Department for the vacancy cycle commencing from 01.01.2025 to 31.12.2026 including anticipated vacancies upto 30.06.2027 is as under:-

UR	SC	ST	Total*	PwBD
15	02	03	20	2* (1 for Clause b & 1 for Clause c)

* The total vacancies include 2 vacancies earmarked for PwBD which is a horizontal reservation.

In terms of Para 13.1 of DoPT's OM dated 17.05.2022 circulated vide PBC No.107/2022 Dt. 05.07.2022 (referred in PBC No. 141/2022 dt. 22.08.2022), out of 2 PwBD vacancies, 1 unfilled vacancy (Clause b) is carried forward from previous selection. In the subsequent year, if PwBD of the required category is not available, the reservation can be exchanged with the other categories.

[Signature]

Functional Classification & Physical Requirement for PwBD specified for the post of AEE as per PBC No. 242/2022 Dt. 14.11.2022 is as under:

Under clause	Functional Classification	Physical Requirement
c	LD-OA/OL, Leprosy Cured, Acid Attack victims	S,ST, BN, W, SE, MF, C, RW, KC, CL, JU, H
b	HI(HH)	S,ST, BN, W, SE, MF, C, RW, KC, CL, JU, H (Acceptable with Hearing Aids)


(M. Sunitha)

Asst. Personnel Officer/Gaz
for General Manager

Copy to: PCPO, CPO/A, CPO/G, CPO/IR – for kind information please
Dy.CPO/Co-ordination/HQ, Consultant (Pers)/C, M&E , APO/Genl.
GS/SRMU, GS/DREU, NFIR, AISC & STREA, AIOBCREA, SROA, SRPOA



SOUTHERN RAILWAY

General Manager's Office,
Personnel Department,
Chennai - 600 003.
Date: 22.11.2024

No. P(G)532/VII/AEE/70% Selection/CCBT/2025-2026

DGM/Co-ordination & Secretary to GM for kind information of GM
PS-I to AGM for kind information of AGM
PCEE, PCSO, CETE, CELE, CEDE, CESE, CECE, CEE/EEM, CEE/CN/MS
CAO/CN/MS, CPD/RE/MS
All Sr.DEEs/Dy.CEEs/DEEs/SEEs/XEEs-MAS, TPJ, MDU, PGT, TVC, SA,AJJ,TBM,
AVD, ED, VLCY, PRS/MMC/MAS, HQ, CN, ERS, WM/Elec/LW/PER.
DRM/MAS, TPJ, MDU, PGT, TVC, SA
DRM/P/MAS, TPJ, MDU, PGT, TVC, SA
CWM/CW/PER, LW/PER, GOC, PTJ,
Dy. CPO/CW, LW & Elec WS/PER, WPO/GOC, AP/CN & RE/MS,
GM/P/CORE/ALD, The MD/CRIS/NDLS,
The Managing Director, RITES, 27, Perakamba, New Delhi-110 001.,
The Director/RDSO, Manak Nagar, Lucknow-226011.
The Managing Director, RITES Mount Chambers, 4th Floor 758, Anna Salai, Ch - 2,
The Managing Director, IRCON, 13, Pallika Bhavan, RK Puram, NDLS
The Joint General Manager/F, RVNL, Mezzanine Floor, Tirumalai Railway Station, Mylapore,
Chennai-600004.

Sub: 70% Selection for the Group-B post of AEE - Electrical Department in Pay Matrix
Level-8 -through CCBT - Reg.

Ref: 1) Railway Board's Letter No.E(GP)2022/2/4 dated 28.06.2022 (PBC No. 162/2022)
and other related circulars circulated as PBC No. 203/2022, 213/2022, 236/2022
and 241/2022.

2) Railway Board's letter No. E(GP)2024/2/28 dtd. 27.09.2024 & dtd. 08.10.2024
(RBE 93/2024).

1. (i) As advised by Railway Board vide references cited above and 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. 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.
- (ii) Applications are hereby invited from employees who are eligible and who volunteer for the Selection (70%) for promotion from Group 'C' service to Group 'B' service in Electrical Department for the post of AEE through CCBT for the vacancy cycle 01.01.2025 to 31.12.2026 as per the schedule indicated below.

To apply online	Date and time of Opening	22.11.2024 -12.00 hrs
	Date and time of Closing	06.12.2024 - 23.59 hrs
Last date for forwarding the online applications received by Personnel Officers concerned to Headquarters.		13.12.2024 -17.00 hrs

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2. (i) The number of vacancies to be filled up are as under:

UR	SC	ST	Total	PwBD
13	01	02	*16	02

* The total vacancies include 02 (two) vacancies earmarked for PwBD which is a horizontal reservation.

- (ii) The PwBD vacancy is earmarked for Clause (b & c) as per DoP&Ts Office Memorandum dated 17.05.2022 with functional classification as HI & LD-OA/OL in terms of Railway Board's Letter dated 14.11.2022 (PBC 242/2022) and any other related instructions, as detailed below.

Clause	Functional Classification	Physical Requirement
(b)	HI(HH)	S, ST, BN, W, SE, MF, C, RW, KC, CL, JU, H (Acceptable with Hearing Aids)
(c)	LD-OA/OL, Leprosy Cured, Acid Attack Victims	S, ST, BN, W, SE, MF, C, RW, KC, CL, JU, H

3. Eligibility Criteria:

- (i) Group 'C' employees working in level - 6 (Rs. 35400-112400) and above in pay matrix with three years of non-fortuitous service in Level - 6 (Rs. 35400-112400) and above in the pay matrix (including non-fortuitous service rendered in the corresponding pre-revised grade pay) **as on 01.01.2025** will be eligible to apply for the selection to the post of Assistant Electrical Engineer (AEE).
- (ii) **In terms of Board's letter No. E(GP) 2005/2/87 dated 18.08.2015 (RBE No. 92/2015) (PBC No. 123/2015), the Running staff in Grade pay Rs. 2400 (Level-4) which is equated to the stationary post of Grade Pay Rs.4200 (Level 6) and above, are also eligible to be considered for promotion to Group B service in the Electrical Department as per extant rules. However, Sr ALP (NF) (80 %) who are not equated to stationary post in Grade Pay Rs. 4200 (Level 6) are not eligible to apply for the selection.**
- (iii) Running Staff who have been trained in Diesel Traction are not eligible to apply for AEE selection.
- (iv) As per extant policy in Southern Railway, employees trained in dual traction are eligible to opt for either of the Group "B" posts of AEE or AME in Electrical or Mechanical departments respectively. Option once exercised will be final for all future notifications. They can seek further promotion to Gazetted cadre in Electrical or Mechanical departments as per their option. Only those employees who are trained in dual traction & have not exercised their option earlier for either AEE or AME may exercise their option now by clicking "YES" in online application to take part in the selection for the post of AEE or by clicking "NO" in the case they do not desire to take part in the selection for the post of AEE.
- (v) Running Staff who have opted for AME selection in Mechanical Department in the earlier selection are not eligible for apply for the AEE selection.

Note:

- Staff whose lien and seniority is maintained in the relevant cadres of Southern Railway are only eligible to apply.
- Eligible staff working in the Construction/Project Organization on deputation, training & any Ex-cadre Organization and having lien & seniority in the relevant cadres of Southern Railway, who desire to volunteer for the above Selection may submit their online application through proper channel i.e. through their respective Personnel Department Officer, where they hold lien.

- iii) Employees working in Level-6 on adhoc basis are not eligible to apply. Employees who have been granted financial upgradation in Level-6 under MACPs are also not eligible to apply.
- (iv) For assessing the period of Non Fortuitous service, the following may be kept in view.
- (a) As per RBE 55/1997 dated 17.04.1997, regarding counting of service rendered in the old unit on **"own request transfer"**, the service rendered in the absorbing unit alone will count for eligibility wherever a minimum length of service is specified as a condition for consideration for promotion including promotion to general Selection posts.
- (b) The above instructions were partially modified vide RBE 34/2006 dated 21.03.2006. In terms of RBE 34/2006, on counting of service rendered in the old unit on **"own request transfer"** for the purpose of qualifying service for promotion in new unit, the service rendered by them in the old unit may be reckoned for determining their eligibility wherever a minimum length of service is prescribed as a condition for promotion including promotion to general post in the new unit subject to the conditions that the service so allowed to be counted does not exceed the length of service of the immediate senior in the new unit and 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.
- (c) In terms of RBE 40/2008 dated 13.03.2008, those instructions were made applicable for reckoning the minimum qualifying service of Group "C" employees, in case of own request transfer to a new unit in the same category of posts, for determining their eligibility for promotion to Group "B" posts also.
- (d) Regarding counting of service rendered in the old unit before **mutual transfer** of the employee for the purpose of determining eligibility for promotion to Group 'B' post, Board has clarified that instructions contained in Para 310 of IREM Vol.I governing the seniority of Railway servant transferred on mutual transfer will prevail.
- (e) As advised in RBE No.102/2019 dated 25.06.2019 the time spent by a Railway servant under training immediately before appointment to service is to be counted as service for the purpose of appearing in Departmental Examination including LDCE for promotion to Group "B".
- (f) The volunteers who have completed 3 years of Non-fortuitous service in the current seniority unit of the cadre as on 01.01.2025 are only eligible to apply. The same may be verified and ensured by the Personnel Officer concerned while forwarding the applications.
- (g) **The instructions contained in RBE No. 40/2023 are not applicable while determining eligibility for promotions from Group "C" to Group "B" posts, as clarified by Railway Board and circulated vide PBC No. 108/2024 & 235/2024. Accordingly, employee(s) should have rendered the requisite eligibility service in the relevant grade(s) after absorption in the alternate post for being eligible to apply for the post of AEE.**
- v) Eligible volunteers should apply online in the link **www.srhqpb.in** and submit their application.
- vi) As vacancies earmarked for **'SC/ST'**, Pre Promotional Training (PPT) for employees belonging to SC/ST community will be organized before CCBT. The Reserved community (SC/ST) employees who are willing to appear for CCBT without undergoing PPT may do so by exercising their option in the online application form. Employees belonging to Reserved Community (SC/ST) who have expressed their willingness to attend PPT and if they fail to attend the PPT on the specified dates, will have to appear for CCBT without such PPT being imparted.

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4. **How to apply: -**

- i) Detailed instructions for filling up the online application is available in the web portal and also enclosed herewith as **Annexure "B"**.
- ii) Volunteers should apply for the post **ONLINE** by visiting the official website **www.srhqpb.in**
- iii) Volunteers are advised to carefully read the entire instructions and information available on the official websites of **sr.railnet.gov.in**, **sr.indianrailways.gov.in**, **srhqpb.in** and **nair.indianrailways.gov.in** before filling up the application online.
- iv) The applications received will be treated as "Invalid/Ineligible" on the following grounds:
 - (a) **Unsigned application.**
 - (b) **Application without affixing latest photograph.**
 - (c) **Application without verification and certification by Supervisory /Controlling official.**
- v) Applicant must note that, if any information furnished by him/her is false or misleading, the application/candidature is liable for rejection and action will be initiated under D&AR rules.

5. **Instructions to the forwarding Cadre Controlling Officials:-**

- i) The respective cadre dealer / controlling Personnel Officer of Division/Unit concerned has to verify the correctness of the particulars of the application with the Service Register, Seniority Lists and other available relevant records. Note (iv) under Para 3 of this Notification must be strictly adhered to. The application of the employees who have been transferred on or after **01.01.2022** on IRMT/IDMT or IRT/IDT may be thoroughly scrutinized regarding their eligibility duly verifying the seniority assigned in the newly joined unit. The details regarding the date of seniority assigned in the new unit, seniority assigned to the immediate senior in the new unit etc., may also be indicated while forwarding the application, if found eligible. After due verification, only applications of the employees who have completed 3 years of service in the present seniority unit as on **01.01.2025** should only be forwarded.
- ii) In addition, an excel file containing all the relevant details of all applications should also be downloaded. The downloaded excel data file should also be verified and corrections, if any, has to be carried out duly indicating the same in the remarks column. The same has to be uploaded in the website and also forwarded in e-office to the undersigned as e-receipt **on or before 17.00 hrs of 13.12.2024.**
- iii) **It may be strictly ensured that only the applications which are found eligible to be forwarded to Headquarters.**
- iv) **The relevant data in Excel sheet received without such certification will be summarily rejected and the responsibility will be fixed for such incorrect or incomplete certification.**
- v) The Genuineness of the community certificate of the reserved community employees and Disability Certificate issued by the Competent Authority & any other relevant documents may be verified and certified by the cadre controlling Personnel Officer duly enclosing the attested copies of the **same** failing which the candidature will be summarily rejected.
- vi) The details of court cases, if any, against the seniority or substantive status of the employees who have submitted their application for the above Selection may be advised separately to this Office by the controlling Officer drawing the attention of APO/Gaz/HQ/MAS **on or before 13.12.2024** through e-office.

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vii) If volunteers are undergoing penalty of reduction to lower grade etc. or under suspension or any departmental proceedings have been initiated for major penalty or any RPUP cases are pending, the particulars of such employees should also be advised with details to Dy.CPO/Gaz/HQ in a sealed cover.

viii) When an employee is holding an Ex-cadre post, details of his post in regular cadre with the grade and date of entry as a regular measure should be furnished. This may also be brought to the notice of all concerned.

6. Method of Selection:

i) CCBT – In terms of Railway Boards Lt. No.E(GP)2022/2/4 dated 28.06.2022, Board had introduced Centralized Computer Based Objective Type examination.

ii) The Selection will be on the basis of written exam, viva-voce and assessment of record of service.

iii) In terms of PBC 213/2022, the paper will be of 100 marks and the distribution is as under:

Sl.No.	Description	Maximum Marks	Qualifying Marks
1	Written Examination:		
	a) Professional subject including optional questions of 10 marks on Official language Policy & Rules	70	60
	b) Establishment and Financial Rules	30	
2	Viva Voce	25	30 (including at least 15 marks in record of service)
3	Record of Service	25	
	Total	150	90

iv) Duration of the CCBT examination will be 2 hours.

v) In terms of Railway Board's letter No.E(GP)2022/2/4 dated 11/11/2022 (PBC No.241/2022) 10% of the marks out of total 100 marks for testing the Professional ability, should be set apart for questions on Official language policy and Official language rules.

vi) **One mark will be awarded for every correct answer. In terms of RBE No.93/2024, there shall be no negative marking in the written examination held as part of Selections (70%) where the final panels are made on seniority basis.**

vii) **Medical Examination:** Those who qualify in the written examination will be subjected to Medical Examination as per Para 530 (a) of IRMM. Those qualified in the written examination and declared medically FIT for Group "B" service will only be called for Viva-Voce as per Railway Board's letter No. E(GP)80/2/8 dated 31/10/1991.

viii) **Supplementary Examination:** There will be supplementary examination.

The employees who have not attended the written examination (Main) on the following reasons will be allowed for supplementary examination provided if they apply for the same.

- Those who could not be relieved due to Administrative Reason (or)
- Sickness (RMC) of the employee (or)
- Any other reason which is beyond the control of the employee.

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7. **Syllabus**– Enclosed as “**Annexure A**”.

8. **General Instructions:**

- i) All those eligible volunteers should be in readiness to appear for the CCBT at short notice as per the schedule advised by NAIR/BRC/ Railway Board.
- ii) The volunteers who have responded to this notification are also equally responsible to attend the CCBT on the scheduled date and time. They shall be in touch with their Headquarters office at frequent intervals for any updates. For inquiries, they may contact the following Railway phone numbers.

APO/Gaz. : 22533

Ch. OS/Gaz : 22710

- iii) Since, this Selection is being conducted by CCBT by NAIR, the candidates who are applying in response to the notification are required to check the following websites for latest updates:

- (a) **SR Railnet – sr.railnet.gov.in**
- (b) **SR Internet – sr.indianrailways.gov.in**
- (c) **SR HQ PB – srhqpb.in**
- (d) **NAIR – nair.indianrailways.gov.in**

In addition to the above, candidates are instructed to check their email provided in the application for any updates.

- iv) For any assistance with regard to the above – the under mentioned **Helpline Number** may be contacted during office hours:

Name	Designation	Helpline Number
Shri Thirumalai Balaji	S&WI	7845666367

9. **The tentative Selection calendar.**

Particulars	Date
To apply online– Date and time of Opening.	22.11.2024 -12.00 hrs
To apply online– Date and time of Closing.	06.12.2024-23.59 hrs
Last date for receipt of online applications at Headquarters from respective units	13.12.2024-17.00 hrs
Publication of eligibility list	23.12.2024
Pre Promotional Training commencing from	04.01.2025
Date of CCBT by NAIR/Vadodara	Will be intimated later

10. **Important instruction to the Controlling Officers/ Personnel Officers:**

The original updated SRs and APARs for the last five years (along with the acknowledgement of the employee for having received the copies of APAR for each year) may be kept ready by concerned Controlling Officer for immediate transmission to this office whenever called for.

11. This Selection is subject to the provision contained in IREC, IREM & any other instruction issued by Railway Board from time to time.

2.1.2025

12. Wide publicity of this notification should be given to all staff including those who are on Deputation, Ex-cadre, training, leave/sick, etc., so as to enable them to submit their application through proper channel in time and staff may contact their Headquarter Office at frequent intervals.

The last date for applying through online by employee is 06.12.2024 at 23.59 hrs.

Encl.: Annexure "A"& "B"


(M. SUNITHA)

Assistant Personnel Officer/Gaz
for General Manager

Copy to: PCPO, CPO/A, CPO/G, CPO/IR – for kind information please.
Dy.CPO/Co-ord, APO/C, M & E
Ch. OS/(NGS) ELECT
GS/SRMU, NFIR, SROA, SRPOA, AISCSTREA, AIOBCREA



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

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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.

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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. SMIs, 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:

d. J. S. K.

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.

Official Language Policy and Rules

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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.

A. S. Surt

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

D. J. Jute

INSTRUCTIONS FOR ONLINE APPLICATIONLink for applying online - www.sr.hqpb.in**Instructions to Candidates: -**

- (i) The willing employees will have to click on the link. The link will lead to the application format in which the candidate needs to fill up the required particulars.
- (ii) The application format has to be filled up carefully and after the employee is satisfied that all the particulars have been correctly filled up, he/she should register. Once registered the employee will not be able to make any change in the application.
- (iii) After registration, a unique application number will be allotted to the employee and the employee should download and take a print of the filled in application, from the portal in PDF format.
- (iv) In the print out, latest photograph of the employee should be affixed in the space provided and his/her signature should be affixed in the space provided.
- (v) In the above application, the photograph should be attested by the controlling supervisor / official and the application should be forwarded by the controlling supervisor/official affixing signature duly mentioning the name, designation along with the seal of the forwarding supervisor / official.
- (vi) The application completed in all respect duly forwarded by the Controlling supervisor / official, community certificate (for SC/ST), Disability Certificate issued by the Competent Authority & any other relevant documents, should be scanned as a single PDF and uploaded in the portal after obtaining Competent Authority approval.**
- (vii) Employee can thereafter login either by using "IPAS number & date of birth" or "Application number & date of birth" for uploading above scanned copies by using the "Upload the application" option in the portal.
- (viii) Employee can also download the acknowledgement for the submission of his/her application. The employee may use the unique application number to check the status of his/her application/ instructions later on.
- (ix) For any assistance required with regard to the above, Shri Thirumalai Balaji, S&WI may be contacted in the mobile number 7845666367 during office hours.

Instructions to Personnel Department Officer -

- (i) The access to the online application at the stage of scrutiny and further forwarding will be restricted to the officials granted user rights at the level of Dealer(s), Personnel Officer/ Divisional Officer etc.
- (vi) The user rights and passwords already provided may be utilized.
- (vii) The respective cadre dealer / controlling Personnel Officer should verify the correctness of the particulars of each application with the Service Register and other available relevant records. After due verification, **each online** application has to be certified and forwarded online with remarks, if any. In addition, an excel file containing all the relevant details of all application should also be downloaded. The downloaded excel data file also has to be verified and corrections, if any, has to be carried out duly indicating the same in the remarks column without fail. The same has to be uploaded in the website along with the covering letter, the same should be forwarded in e-office to the undersigned as e-receipt on or before 17.00 hrs of **13.12.2024**.
- (viii) The Personnel Officer concerned should reject the ineligible application duly specifying the reason for rejections.
- (v) Divisions and units may set up suitable helpline and give wide publicity to the same along with details including mobile number of the person who can be contacted for any assistance.

