



दक्षिण पूर्व मध्य रेलवे
South East Central Railway
मुख्यालय, कार्मिक विभाग, प्रथम तल, महाप्रबंधक कार्यालय, बिलासपुर (छ. ग.)
HEAD QUARTER, PERSONNEL DEPARTMENT, 1st FLOOR,
GM's OFFICE, BILASPUR (C.G.) 495004

No.P-HQ/CON/452/Elect-70%/e-161377/363

Dated:25/10/2024

AGM, SECRETARY TO GM/SECR, PCEE, CAO/Con, SDGM /SECR
CEDE, CELE, CEGE, SDGM/SECR,
CSO, CAO (Con), CEE (Con), CPO (A)/SECR.
DRM/BSP, R, NGP, CWM/WRS/R & CWM/WS/MIB.
Dy CPO (HQ), Dy CPO (Con). /BSP
GM (P) SER/GRC, GM (P) ECoR /BBS, GM (P) CORE/ALD

Sub:- Selection for formation of panel of AEE (Gr.-'B') against 70% DPQ vacancies in Electrical Department in S.E.C. Railway for the vacancy cycle of 01/01/2025 to 31/12/2026.

Ref:- (1) Railway Board's letter No. E(GP)2024/2/28, Date:27/09/2024
(2) Railway Board's letter No. E(GP)2024/2/28, Date:08/10/2024

1. In reference to the above, Railway Board has decided to fill up the Group-'B' vacancies by holding of 70% Selection and 30% LDCE through centralized CBT for promotion to Group-B' posts for the vacancy cycle of 01/01/2025 to 31/12/2026. **NAIR/BRC will conduct the CBT. The date of CBT will be informed shortly.** The selection will be held for formation of panel of AEE (Gr."B") in scale Rs.9300-34800/- + (GP Rs.4800/-), PB-2 (Pay matrix Level-08) (7th PC) against 70% DPQ selection for vacancies as mentioned below. The reservation for PwBDs will be dealt in accordance with Railway Board's letter No. E(GP)2022/2/20 Dated 14/11/2022 and RBE No.74/2022 [Estt. Rule No. 168/2022].

MODE	UR	SC	ST	TOTAL	Reserved for PwBD
AEE 70% DPQ	04	02	00	06	01 vacancy reserved for PwBD (LD) or (HI/ HH)

2. **Eligibility Criteria:** Applications from all willing and eligible Group "C" employees i.e. Supervisors (Technical), including running staff of Electrical Department (including running staff of combined seniority in Electrical/ Mechanical department), (for running staff equated stationary grade, vide RBE No.92/2015) working in grade /scale Rs.5000-8000/- (Vth PC)/ PB-2 Rs. 9300-34800/- with Grade Pay Rs. 4200 (VI PC) / in Level 6 of VII PC & above in pay matrix (including non-fortuitous service rendered in the corresponding pre-revised grade pay) with 03 years of non- fortuitous service, **as on 01/01/2025** are eligible to appear in the Selection as per R.B.E. No. 216/2019, [SECR's Estt Rule No. 359/2019] . Fortuitous service will not be counted for determining the eligibility. In addition to above criteria, PwBD candidates, if any who fulfill the essential criteria of PwBD (LD or HI) Physical and functional requirement, as mentioned RBE No.74/2022 [Estt. Rule No.168/2022] and in terms of Railway Board's letter No. E(GP)2022/2/20 dated 14.11.2022, may also apply.

3. (i) In terms of RBE No 93/2024 dated 08/10/2024 quoted under reference (2) above, 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. Hence all who are fulfilling eligibility criteria as quoted in Para No.2 above can apply.

(ii) As per DOPT policy, Para-13 the PwBD reservation is being carried forward to this selection cycle due to non filling up of PwBD vacancy. As stated the vacancy shall first be tried to be filled with LD category. If no LD candidate is suitable, it shall be tried to be filled with HH/HL category. If still no suitable PwBD candidate is found then vacancy shall be filled by non PwBD candidate and reservation shall be carried forward to next selection year.

Therefore eligible candidates of Non-PwBD as well as PwBD categories may apply for above vacancy.

4. The Personnel officer of the HQ/Divisions/Workshop/Units should scrutinize the application and verify the eligibility as per RBE No.74/2022 [Estt. Rule No.168/2022] and in terms of Railway Boards letter No. E(GP)2022/2/20 dated 14/11/2022 of PwBD candidates along with the Service Record maintained by them and certify their eligibility for each candidate.

5. All eligible and willing employees must submit their application in prescribed Proforma in **Annexure-'A'** duly forwarded by immediate supervisor/ Officer through proper channel to their respective Personnel Branch Officers concerned viz. Dy.CPOs/Sr.DPOs/DPOs/WPO/SPO (Con.)/APO(WS). Applications received **after closing date will not be entertained** and summarily rejected if no application is received by any of the office/Unit concerned a certificate should be given to the Personnel department of HQ/Divisions/Workshops/Units.

Time line for date of submission of application and consolidated statement:

S#	Subject	Closing Date
1	Application to be submitted in the (ANNEXURE-A) by the eligible candidates to their controlling officer.	18/11/2024
2	Applications to be forwarded by the controlling officer to the concerned Personnel Officers for verification /scrutinizing of service particulars/ eligibility etc.	22/11/2024
3	Concerned Personnel officers should forward all the applications (only original in hard copy) with a remarks (eligible or not eligible) in consolidated list in proforma (Annexure-"B") to GAZ(CONF.) Section, PCPO /HQ Office.	02/12/2024

6. **Scrutiny:** The Personnel Department of concerned HQ/Divisions/Workshops are requested to scrutinize the application 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 HQ/Divisions/Workshops/Units should forward the list of eligible candidates only along with the applications in the prescribed proforma as in **Annexure-"B"** and forward the same to GAZ(CONF.) Section, PCPO, HQ Office, per bearer along with covering letter and a Pen-drive containing all details (in MS Excel) in soft copy so as to reach Dy.CPO/Gaz/SECR While forwarding the applications, Dy CPO/Sr DPO/DPO/SPO/APO should certify that all the employees of their Division/Unit. Working on Deputation to other unit is informed well in advance to submit their application. In case a candidate is found ineligible at any stage for the above selection, his/her candidature will be summarily rejected. It may be ensured that the applications of candidates working under Construction Organization should be submitted through APO/Con/BSP.

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	31 Marks
(c) Qualifying marks:	60 marks with relaxation as per extant rules.
(d) Duration/ Time	Two (2) Hours
(e) There shall be no negative marking in written examination held as part of Selections (70%) where the final panels are made on seniority basis.(In terms of RBE No.93/2024.	
(f) Assessment of Record of service & viva-voce will be conducted in terms of Para-10.4 of Master Circular No.68. Date 08/07/2019 of successful candidates for Viva-voce.	

8. SYLLABUS : In terms of Board's letter No. E(GP)2022/2/4 dated 07.11.2022, SECR's Estt Rule:308/2022, a copy of the syllabus for selection is enclosed as **Annexure-'C'**.

9. In case any candidate is on deputation, leave or on sick list, the Controlling Officer concerned should send necessary advice to the authority under which he is working or the medical authority /home address as the case may be and may obtain clear acknowledgement to that effect.

10. WRITTEN/ (CBT) AND VIVA-VOCE TEST: The selection will comprise of Witten/ CBT examination followed by viva-voce test. Only those who qualify in the Witten/ CBT examination and pass the prescribed standard of medical examination, in terms of (para-20.1 & 2) of Master Circular-68, Dated: 08/07/2019 and Board's letters No. E(GP)80/2/8 dated 31/10/91, will be called for the Viva-voce test. Without medical fitness certificate any candidate will not be eligible for attending viva- voce test.

11. If any employee of HQ/Divisions/Workshops/Units is on deputation/outside cadre or working against ex-cadre posts whose lien is maintained by this Railway should be informed about the selection provided they fulfill the conditions through their respective officers without fail. All concerned should personally ensure displaying of this notification in the prominent notice board of the respective offices of HQ/Divisions/Unit.

The notification is also available on this Railway's web site <http://www.secr.indianrailway.gov.in>.

Recruitment/News/Press Release → Recruitment → HQ → GAZ Section.

All the Divisions/Units & applicants are advised to regularly visit SECR website for any updates in the matter. **This notification is being issued as per existing provisions /instructions of selection of Group-B post of AEE. In case any changes in the existing procedure /instructions are issued by Railway the same will be uploaded in the Railway's website in due course.**

DA: As above.

(Aditi Dubey)

Dy. Chief Personnel Officer (Gaz.)
for Principal Chief Personnel Officer

Copy forwarded for information and necessary action to:

1. Sr.DPO/DPO/BSP,R &NGP, APO(Bills)/HQ
2. Sr. DEE (OP), GENL., TRD, TRS/ BSP, R, NGP , Dy.CEE(CON)/BSP
3. All Personnel Department Officers/ HQ/SECR, Dy.CPO(CON)/BSP
4. GS/DPMRMC/BSP, GS/AISC-ST/Association/BSP, ZP/SECROBCEA/BSP
5. NOTICE BOARD



for Principal Chief Personnel Officer

South East Central Railway

ANNEXURE-'A'

PROFORMA for AEE 70% Selection (Electrical Department)

Paste a
photograph
duly attested

1	Name	
2	Present Designation	
3	Present place of posting, i.e. Division/ WS /Station/ Unit,	
4	Community (UR/SC/ST)	
5	Whether (PwBD) (mention category, in terms of para-2.2 of RBE No.74/2022 and Estt Rule No.168/2022)	Yes or No. _____ Mention Category (a , b , c , d , e). _____
6	Lien holding in Railway, Division and Department	
7	Controlling officer	
8	Date of Birth (DD/MM/YYYY)	
9	Date of appointment	
10	Correct IPASS NO. (Eleven (11) Digit)	
11	Latest Email-ID address (must be filled correctly)	
12	HRMS ID	
13	Mobile No.: (only HRMS linked mobile number must be submitted in use for OTP)	
14	Present Scale in (Vth PC) / G.Pay (VIth PC) / Pay Level (7 th PC)	
15	Date of Regular Promotion or appointment in GP Rs. 4200/- (6 th PC) / Pay Level 6 of (7 th PC) in terms of RBE No.203/2008	
16	Date of Regular Promotion or appointment in GP Rs. In GP Rs. 4600/- (6 th PC)/ Pay Level 7 of (7 th PC).	
17	Length of non-fortuitous service in scale Rs. 5000-8000 (5 th PC), PB-2 Rs. 9300-34800, with GP Rs. 4200/- (6 th PC)/ Pay Level 6 of (7 th PC) as on 01/01/2025 .	Year.....Month.....Days.....
18	Length of non-fortuitous service in scale Rs.6500-10500/- (5 th PC), PB-2 Rs.9300-34800 + GP Rs. 4600/- (6 th PC)/ Pay Level-7 of (7 th PC) as on 01/01/2025	Year.....Month.....Days.....
19	Any DAR case is pending or otherwise	
20	If PwBD candidate requiring SCRIBE and compensatory time(*)	Requiring SCRIBE : YES or NO: _____ Requiring compensatory time : YES or NO: _____

(*) Please enclose necessary valid medical PwBD certificate issued by authorized Govt. Medical officer. SCRIBE will be considered as per extant Rules and instructions issued time to time.

Signature of the candidates

Signature of the immediate supervisor forwarding application Office seal & Date:

Forwarded to controlling officer

Signature of Controlling Officer with seal

Forwarded to Headquarter

Forwarded to Dy.CPO(GAZ)/SECR. The particulars given by the employee against **column No.1 to 20** have been scrutinized and found correct as per the service record and the above named employee belongs to PwBD category as per criteria and eligible (✓) / not eligible (✓) to appear for the selection for the post of **AEE (Gr.B)** against 70% quota and it is certified that no Adhoc or fortuitous service has been taken in to account for computing the eligibility as on **01/01/2025**.

Signature and name with official stamp of
Controlling Officer i.e. Personnel Officer of concerned Divn./ Unit

ANNEXURE "B"

PROFORMA for AEE 70% DPQ (ELECTRICAL DEPARTMENT)
(To be verified & attested from available records)

1	2	3	4	5	6	7	8	9
Sr. No	Name	I-Pass No.	HRMS -ID	Designation	HRMS Linked Mobile No.	Correct EMAIL-ID	Place of posting / UNIT	Division / WS/ HQ

10	11	12	13	14	15
Controlling Officer	DOB (DD/ MM/YYYY) (Date may be given in format)	Community (UR /SC/ ST)	Belongs PwBD category or not (Yes/ No)	If PwBD yes (mention category)	If PwBD category , whether entitled or requiring Scribe (Yes/ No) Enclose valid medical certificate Yes / No.

16	17	18	19	20
Weather eligible for compensatory time.	Date of initial appointment	Date of Regular promotion or appointment in scale GP Rs.4200/-/ Level-6 (7 th PC)	Date of Regular promotion/ appointment in scale GP-4600/- / Level-7 (7 th PC)	Remarks (Eligible/ Not eligible)

(*) The above information to be provided to GAZ/CONF/Section, HQ/SECR/BSP in soft copy (MS-Excel) also (Pen drive). Date of Birth must be given in **(DD/ MM/YYYY)** format.

()** In terms of RBE No.92/2015, including running staff of Combined Seniority in Electrical / Mechanical department for running staff equated stationary grade.

Signature of
Concerned Personnel Officer

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, Cannons 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. 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:

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.