

EAST COAST RAILWAY

Office of the
Principal Chief Personnel Officer
Rail Sadan
Bhubaneswar-751017
Dated: 10.11.2022

No.ECoR/Pers/Gaz/Mech/AME/AWM-70%(CBT)/23-24

The PCME, CAO (Con), PCSO, SDGM/BBS, GM/RVNL/BBS.

The Dy.CVO, SPO/Con/BBS, SPO/Con/VSKP.

The Sr. DPO- KUR, WAT & SBP.

The Sr. DME-KUR, WAT & SBP.

The CRW/MCS, WPO-CRW/MCS

All Concerned.

Sub: Formation of Gr.B/Mechanical Panel of AME/AWM against 70% selection quota through CBT for the assessment period 2023-24 in Mechanical Department/ECoR.

1. It has been decided to hold Centralized Computer based objective type examination (CBT) for formation of Group-B Mechanical Panel of AME/AWM Panel of 03 (UR) posts of AME/AWM against 70% selection quota vacancy in Mechanical Department of East Coast Railway for the assessment period 2023-24.
2. As per Railway Board's letter No. E(GP)2022/2/4 dated 18.10.2022, the Centralized Computer based objective type examination shall be held on 22.01.2023 (Sunday) by DG/NAIR. The time and venue of the CBT will be intimated in due course.
3. **Conditions of Eligibility:**
 - I. As per Recruitment Rules for the Group-'B' post of Assistant Mechanical Engineer published by Railway Board vide Notification No. 2016/E(G)RR/15/2 (Mech.) dated 14.03.2022, non-Ministerial Group-C staff of Mechanical Engineering Department and holding the posts in Level-6 and above in the pay matrix with three years of regular service in level-6 and above (including regular service rendered in the corresponding pre-revised grade), are eligible to appear for the selection.
 - II. Where juniors who have completed their qualifying or eligibility service and are being considered for promotion, their seniors would also be considered provided they are not short of the requisite qualifying or eligibility service by more than half of such qualifying or eligibility service or two years, whichever is less, and have successfully completed their probation period for promotion to the next higher grade along with their juniors who have already completed such qualifying or eligibility service.
 - III. The service will be reckoned as on **01.01.2023.**
4. A provisional list of 10 Nos. of eligible candidates as per Integrated Seniority list published vide letter No. ECOR/Pers/05/Mech/Prov. Seniority/131 dated 31.10.2022 of Mechanical Department who have completed minimum three years of non-fortuitous service in Pay Level-7 as on 01.01.2023 (Cut off date) and are coming in the zone of consideration for the assessment period of 2023-24 is enclosed at Annexure-A. Also an additional list of 10 Nos. of candidates, next in order of seniority of Mechanical Department of ECoR who have fulfilled the eligibility criteria are placed in the Stand-by List at Annexure-B. Against any unwilling candidate of Annexure-A, the willing candidate of Annexure-B may be considered for the CBT to the extent of making good the zone of consideration.
5. The candidature of the candidates is accepted provisionally. In case, any candidate is subsequently found ineligible for the above selection at any stage, his/her candidature will be rejected without any further notice.

6. The eligible candidates enlisted at Annexure-A & B should submit their options (willingness/unwillingness) **on or before 24.11.2022** in the attached format (Annexure-C) to the concerned Controlling Officers/Personnel Officers and the same should be forwarded to the Dy.CPO (Gaz) **on or before 29.11.2022** positively in a consolidated statement along with the individual options.
7. It is the employee's responsibility to advise his/her willingness/unwillingness to take the selection, and failure to respond or to provide the intimation within the period allowed will be treated as unwillingness on his/her part to take the selection. If willingness/unwillingness is not received within the above mentioned stipulated date, it will be deemed that the candidate has availed of the opportunity of appearing in the selection & it will be treated as his/her unwillingness to take the selection.
8. In case any candidate is on leave or on deputation to other Railways/Units/office or on sick list, the Controlling officer concerned and the offices where he/she last worked should send necessary advice to the authority under whom he/she is working or the Medical Authority as the case may be and an acknowledgement obtained. Options of the staff concerned need not be sent to this office directly. Controlling officers/Personnel officers should ensure that options received by their offices after **24.11.2022** should not be forwarded to this office under any circumstances. All the particulars filled by the applicants at Annexure- C (Option form) should be verified by Personnel Officers before forwarding to HQrs office. Their IPAS numbers, HRMS ID, Mobile numbers and e-mail ID should be verified since the examination will be conducted through CBT and all future correspondences with the applicants will be done with their IPAS, Mobile number and e-mail ID. Names of those staff who have not fulfilled the eligibility criteria as mentioned above need not be forwarded.
9. As there is no reserved vacancy available, Pre-selection Training is not mandatory as per RBE No. 142/2019.
10. **Objective and Scheme of Examination:** The examination aims at a comprehensive assessment of knowledge of the candidates related to their professional ability, Official language policy, Establishment and Financial Rules. ***The formation of the panel will be on the basis of 'Seniority-cum-Suitability'.*** Selection of candidates for empanelment is based on a (i) CBT Examination on a single day, (ii) Viva-voce (with prior Medical Fitness test) and Assessment of Record of Service by the Selection Committee vide Para- 10.1 to Para 10.2 of Master Circular No. 68.
11. **CBT Examination:** In order to bring objectivity to the Selection process, it has been decided by Railway Board vide RBE No. 53/2019 that the CBT examination shall comprise of one Paper which shall have 100% Objective type Multiple Choice Questions only. The paper will be of 100 marks with distribution as given below:-
 - 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
 - d) All objective type questions carry equal marks.
 - e) There shall be negative marking for incorrect answers. One-third of the marks allotted for each question will be deducted for every wrong answer as per RBE No. 53/2019.
 - f) The duration of the examination for 70% selection through CBT shall be of **02 hours.**
 - g) **Syllabus:** The syllabus as prescribed by Railway Board vide letter No. E(GP)2022/2/4 dtd. 07.11.2022 for 70% selection for Group 'B' post of AME/AWM including syllabus for Establishment & Financial Rules in Mechanical Department is enclosed.

12. Viva-voce & Record of Service:

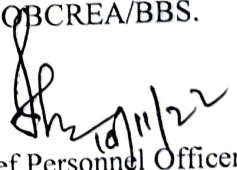
	Maximum Marks	Qualifying marks
1. Viva-voce	25	30 (Including at least 15 marks in the record of Service)
2. Record of Service	25	

13. The Controlling Officers/Sr.DPO/DPO/WPO/SPO of concerned Unit/Division should ensure that the ACRs/APARs of the candidates for the last five years i.e. 2017-18 to 2021-22 completed in all respects, SRs& Personal files are kept ready with them and they should send the same to Dy. CPO(Gaz) when called for.
14. In terms of Railway Board's letter No. E(GP)80/2/8 dtd. 31.10.91 only those candidates who qualify in the medical examination of prescribed standard are eligible to appear in the viva-voce test.
15. The above Notification is uploaded in ECoR website: www.eastcoastrailways.gov.in → Recruitment Info → Recruitment Information → Click Here for HQ Notifications.

Encl: (i) List of candidates (Annexure-A & B).
(ii) Application Format (Annexure-C)
(iii) Syllabus


(H.K. Mahanand)
Dy.Chief Personnel Officer (Gaz)
For Principal Chief Personnel Officer

Copy to: (1) Sr. System Manager (IT)/BBS for uploading in ECoR's website.
(2) The Genl. Secretary- ECoRSC/BBS, ECoRSU/BBS, AISCSTREA/BBS, AIOBCREA/BBS.
(3) Notice Board.


For Principal Chief Personnel Officer

Provisional list of candidates of Mechanical Engineering Department for AME/AWM-70% Selection for 2023-24

Sl. No.	Name (Shri)	Design/Station	Comm.	Date of Birth	Effective date of seniority
1	P.K. Lakra	SSE(C&W)/SBP	ST	10.02.1971	24.11.1997
2	Prasana Kumar Kar	SSE/KUR	UR	10.02.1965	14.05.1998
3	S.V.K. Kiran Kumar	SSE(C&W)/WAT	UR	28.08.1973	23.07.1998
4	I.A. Khan	SSE(D/M)/HQ	UR	10.05.1970	02.09.1998
5	Abhimanyu Pradhan	CLI/HQ	UR	03.07.1995	26.04.1999
6	K. Pavan Kumar	SSE(D/M)/WAT	UR	03.06.1971	13.08.1999
7	D. Sahoo	CLI/HQ	UR	10.11.1966	27.06.2000
8	D.S. Raju	SSE(D/E)WAT	SC	07.04.1964	07.09.2000
9	S. Sashidhar	SSE(D/E)WAT	UR	14.07.1972	02.10.2000
10	V.Adam	SSE/C&W/WAT	SC	10.04.1970	14.11.2000

XXXXXX

Annexure-B

Provisional List of Standby Candidates of Mechanical Department for AME/AWM-70% Selection 2023-24

Sl. No.	Name (Shri)	Design/Station	Comm.	Date of Birth	Effective date of seniority
1	B.V. Raja Sekhar	SSE/C&W/WAT	UR	15.08.1972	14.11.2000
2	M. Satyanaryan Reddy	SSE/C&W/WAT	UR	12.01.1971	14.11.2000
3	S. Mishra	SSE/C&W/SBP	UR	16.09.1965	18.01.2001
4	S.K. Khan	SSE/C&W/SBP	UR	02.02.1967	18.01.2001
5	Tejraj Dehuri	SSE(D/M)HQ	SC	21.01.1971	01.02.2001
6	D.P. Sahoo	SSE/C&W/HQ	UR	13.05.1973	01.02.2001
7	R.K. Gochhayat	SSE/C&W/HQ	UR	16.05.1973	01.02.2001
8	Sumit Kumar Bose	SSE(D/M)WAT	UR	01.06.1967	20.04.2001
9	M. Srinivasa Rao	SSE(D/E)WAT	UR	03.04.1974	08.05.2001
10	M. Selvin	SSE(W/S)/MCS	SC	18.07.1969	01.08.2001

XXXXXX



East Coast Railway

**Application for Selection to Group-B post of AME/AWM against 70% selection
for 2023-24 (CBT)**

OPTION: Whether Willing/Unwilling

1. Name of the Applicant :
2. Designation :
3. Place of posting :
4. Community (UR/SC/ST) :
5. Date of Birth (DD/MM/YYYY) :
6. IPAS/PF No. (in 11 digits) :
7. HRMS ID :
8. Controlling Officer :
9. Unit/Division :
10. Mobile No. :
11. Email ID (in capital letters) :
12. Date :
13. Whether belongs to PwBD category : YES / NO (please tick)
 - (i) If yes, please specify the category with %age
 - (ii) Whether Scribe is required : YES / NO (please tick)

Signature of the candidate

Counter signature of the controlling officer:

(With Designation and seal)

(Note: Willingness/Unwillingness to be submitted on or before 24.11.2022)

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 PROMOTION TO GROUP 'B' POST OF ADME/AWM THROUGH
70 % SELECTION IN MECHANICAL DEPARTMENT**

Paper will be of two parts one part comprising of questions from establishment, Financial Rules and Stores which will be mandatory for all. Other part will be of Technical questions from four streams of Mechanical Department. Questions on PU are included in workshop segment. Question on Rajbhasha will be of optional nature of fifteen marks

Part-A consists of questions from Establishment, Financial rules & Stores.

Part-B Contains Professional portion in Four sections representing various streams of Mechanical Branch – Divisional working and Disaster management, Diesel Locomotives, Carriage & Wagon, Workshops and PU,

PART-A (Stores Rules)

STORES

- Classification of Stores
- Procedure of drawal of Stores
- Indenting Procedures
- Procurement methods-Local purchase, Spot purchase, Bulletin tender, Advertised tender, Limited tender, Tender Committee, Direct Purchasing
- Schedule of Powers
- Incoming inspection requirements
- Scrap disposal

PART-B-Professional Portion

DIVISIONAL WORKING & OPERATIONS MANAGEMENT

Working Time Table

- Working in Control Office including Passanger grievance redressal portals e.g. Rail Madad
- Accident Classification, definitions, ART Ordering, Role of Supervisors & officers at accident site Management. ,Accident investigation including proforma for measurement
- 140 ton Crane Construction & safety in operations

DIESEL LOCOMOTIVES

- Basic Features and troubleshooting of HHP locomotives
- Preventive maintenance schedules
- Latest design improvements in diesel locomotives to reduce failures on line.
- Features of GE Locomotives
- Design improvements in bogies to make them fit for high speed operation
- Air Brake system of diesel locos including working of compressors and vigilance control devices and their maintenance
- Cooling water system of diesel engines

- Fuel oil system of diesel engines
- Control of lubricating oil consumption
- Safety devices used on diesel engines and locomotives
- Trouble shooting on locomotives running on the railways
- Fuel Economy on diesel locomotives
- Thermal loading of engine components
- Under gear maintenance
- Suspension bearings, wheels
- Electric Systems of Diesel Locomotive
- Load Box Testing
- MEMU ,DEMUs-types, systems & trouble shooting
- Basics of DPRS (Distributed Power Rolling Stock)
- Introduction to GM Locomotives and its systems

CARRIAGE & WAGON

Coaching stock- preventive maintenance schedules in Coaching Depots including IOH,POH, SS2, SS3 Schedules in shops

- Wagon Stock-preventive maintenance including ROH in depots and POH Schedule in shops ,Ride Index, Anti Telescopic features
- IRCA Rules for reject able defects
- ICF & LHB Coach Bodies and their maintenance in sick line/shops
- Generic details of train set
- Casnub Bogie & its modifications for high speed
- Corrosion repairs to caching and goods stock
- Couplers & Draw gear, Train Parting , Brake Binding & measures to avoid the same
- Water availability in coaches
- Fire prevention on Trains
- Air Brake System-Twin Pipe & single pine. Under frame & bogie mounted brake system, Test rig, Checking timings, trouble shooting, DV defects, slack adjustment methods. Brake Binding, WSP system, FIBA, Air spring suspension in LHB coaches
- Passenger amenity items
- OBHS , CTS and other coach cleaning systems
- Maintenance Pattern of freight trains including CC Rakes & Coaching stock maintenance including Revised Policy Circular-4
- Neutral Train Examination
- Maintenance of various components like DV, SAB, PEASD
- Latest design improvements of Carriage & Wagons to improve their performance and speed potential
- LHB Coaches & BLC Wagons
- Construction, Design & Maintenance of special purpose Wagons

WORKSHOPS and Production Units

- System of labour accountal GA Cards for time keeping documents, tally sheets, Job/Route Cards, inspection & rate fixing
- Rules & Calculations under incentive scheme
- Paints & painting systems
- Different types of machine tools such as lathes, milling machines, shapers, planers, cutting tools & cutting speeds
- CNC machines
- CLW Pattern of Incentive Scheme, Group Incentive Scheme
- Different types of welding processes, welding defects
- Wheels, tyres & axles and their ultrasonic testing
- Heat treatment of ferrous items such as surface hardening, annealing, normalizing etc
- Roller Bearing & Cartridge Bearings
- Injury free features in coaches
- Material handling
- Design of coaches and wagons
- Basic concepts of casting and Heat treatment methods
- Manufacturing and Heat treatment process of wheels and axles
- Factory Layout
- Process flow chart of Production Units
- Machinery and Plant maintenance

Rajbhasha

Optional questions of 15 marks