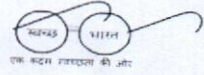




दक्षिण पूर्व मध्य रेलवे



South East Central Railway

मुख्यालय, कार्मिक विभाग, प्रथम तल, महाप्रबंधक कार्यालय, बिलासपुर (छ. ग.) 495004
HEADQUARTER, PERSONNEL DEPARTMENT, 1st FLOOR, GM's OFFICE, BILASPUR(C.G.) 495004

No. P-HQ/CON/452/MECH-30%/e-68025/ 520

Dated:07/07/2022

PCME, CRSE, CMPE & CSO/SECR, SDGM/SECR
SECRETARY TO GM/SECR, DRM/BSP, R & NGP
CWM/WRS/R, Dy.CME/WS/MIB & Dy.CMM/GSD/R
DG/NAIR/ VADODARA
CPO/SER/GRC & CPO/ ECoR/BBS

Sub:- Selection for formation of a panel of AME/AWM (Group-'B') against 30%
LDCE vacancies of Mechanical department (06th Cycle).
Ref:- Railways Board's letter No.E(GP)2022/2/4, Date:28/06/2022.

1. It is proposed to conduct a selection for formation of panel to fill up One (01) Group "B" vacancies of AME/ AWM against 30% LDCE (6th Cycle), PB-2 Rs.9300-34800, Grade Pay Rs.4800 (VI-PC)/ (Pay Matrix Level-08 of VII PC) from staff having lien in SEC Railway, who may apply to participate in the above selection. The final zone of consideration and exact date of written test will be intimated later.

Post	Vacancies			
	UR	SC	ST	Total
AME/ AWM (Group-B)	01	00	00	01

2. Eligibility Criteria: Group "C" Technical senior supervisors including running staff of Mechanical Department (for running staff equated stationary grade, vide Estt.Srl. No.90/2000 & 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 05 years of non-fortuitous service, as on **23/06/2022** are eligible to appear in the Selection, in terms of (RBE No.46/2010), circulated under SECR's Estt. Rule No. 55/2010 and R.B.E. No. 216/2019, circulated under SECR's Estt. Rule No. 359/2019.

3. Staff whose lien is maintained in S.E.C.Railway are only eligible to appear in the said selection. Besides, those employees whose lien is maintained in S.E.C.Railway, but working outside the jurisdiction of S.E.C.Railway are also eligible provided they submit their applications through the Personnel Branch of the concerned division/ unit where their lien is maintained with proper certification of lien by respective Division/Units.

4. Date of submission of application and consolidated statement: Application of willing and eligible staff, fulfilling the above conditions may apply in **Annexure-A**, which should reach to the concerned Personnel Offices on or before **24/07/2022**. The concerned Personnel Offices, after receipt of such applications should scrutinize the candidatures of the applicants and send the names of the eligible staff only in consolidated statement as per proforma attached in **Annexure "B"**, so as to reach this office latest by **01/08/2022**. The concerned personnel officer should ensure that all the columns of the enclosed **Annexure-B** are properly filled in before forwarding the applications/ consolidated statement to this office.

5. Applications received directly from the staff will not be entertained by this office. Concerned Personnel Officers should ensure that applications received by them after the

closing date mentioned above are not forwarded to Headquarters under any circumstances. All applications of construction organization should be forwarded by Dy.CPO(CON)/BSP. Applications of staffs who do not fulfill the eligibility criteria as mentioned above need not be forwarded to this office. It may also be noted that incomplete statements furnished by the Divisions/ Units will not be entertained.

6. **Scheme of Examination/ Selection Procedure:**

In terms of Railway Board's letter No.E(GP)2022/2/4, Date:28/06/2022, detailed instructions have been issued regarding conducting of selection for promotions to Group-B posts (introduction of Centralized Computer Based objective type examination (CBT) in all departments having organized services. Accordingly, forthcoming 30% LDCes selection will be conducted through centralized CBT in all organized departments and it shall be conducted by **DG/ NAIR** who shall coordinate with the concerned zones/ PUs for its smooth conduct detailed as under.

- i. LDCe will be one stage only and will comprise of only 1 Paper with the following set up:
 - (a) Single paper of 150 marks comprising 100 % Objective type Multiple Choice Questions with following distribution of marks.

(a i) Technical (Professional) subject	: 80 marks
(a ii) General Knowledge including optional Questions of 15 marks on Official language Policy & Rules	: 40 marks
(a iii) Establishment & Financial Rules	: 30 marks
(b) Qualifying Marks	: 90
(c) Duration	: 03 Hours
 - ii. Question Paper will have 175 questions out of which 150 questions are to be attempted.
 - iii. 1 mark will be allotted for every correct answer . There shall be negative marking for incorrect answers and 1 / 3rd of Marks allotted for each question will be deducted for every wrong answer.
 - iv. **Syllabus:-** Syllabus for LDCes for Organised services has already been prescribed by Board. However, as it is based on old pattern when there were two Papers - Paper - I and Paper - II in the LDCes, the Centralised CBT shall be held from the said syllabus after amalgamating the topics prescribed in Paper - I and Paper - II of respective syllabi.
 - v. Optional Questions on Official Language policy and Official Language Rules in the LDCes shall be included in terms of provision contained in Para 204.3 of IREM Vol-I.
 - vi. Examination for 30 % LDCes will be held on a single day only. On the same day exam for the post of APO will be held in the second shift so that candidates who have appeared in exam for AMM / ACM / AOM in the first shift and also want to appear for APO can do so in second shift. Similarly, exam for AME and AEE will also be held in different shifts with a gap of 3 hours between both the shifts.
 - vii. Railway - wise list of candidates along with marks scored by them in the written examination will be prepared by DG / NAIR assigned the task of conducting the exams and will be furnished to respective Zones / PUs.
 - viii. Medical and viva-voce of successful candidates will be conducted by the respective zones and thereafter final panel will be issued by them according to the vacancies on the basis of merit positively within one month from the date of receipt of result from NAIR.
 - ix. CBT for 30% LDCes for a particular department for Zones/ PUs will be held on the same day across Indian Railways. Thereafter no request for a supplementary exam shall be entertained in any condition.

7. It may be noted that this post (AME/AWM) is a safety category post, and accordingly candidates are required to qualify the prescribed medical fitness before appearing in viva-voce. Without medical fitness certificate, candidates will not be eligible for attending the viva-voce.

8. The Controlling Officers, Dy.CPOs/Sr.DPOs/DPOs/APOs should ensure that the APARs for the last 05 (five) years completed in all respects and updated Service Records of the candidates who volunteer for the above selection, are available with them in advance to ensure prompt supply to PCPO(Gaz) at a short notice.

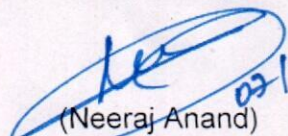
9. If any prospective candidate has any issue/ suggestion/ representation, the same can be submitted to the Gazetted Conf. Section by **20/07/2022**, which will be examined with reference to extant rules. Any representation after the closure of notification will not be acted upon.

10. The concerned staff of the Divisions/ Units who deal with the staff establishment matters, should circulate the contents of this Notification to all concerned and invite applications from all the willing and eligible staff including those who are on Medical/ Leave/ Training/ Deputation and forward the consolidated statement in the proforma, prescribed as **Annexure "B"** along with the individual applications by the concerned Personnel Officers to this office. They may also ensure that the notification and all subsequent notification of this selection are circulated to all sub-units located in their territorial jurisdiction.

11. **Syllabus for professional paper for LDCES:** The Syllabus prescribed for selection for the post of ADME/AWM (Group 'B') (LDCE-30%) in Mechanical Department of written examination after amalgamating the topics of Paper-I and Paper-II is enclosed as **Annexure-"C"**, which may be circulated widely among the all concerned. It may be noted that this syllabus is indicative and not necessarily exhaustive.

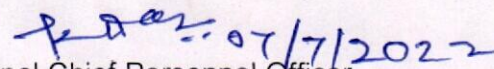
12. The notification is also available in this Railway's website- <http://www.secr.indianrailways.gov.in/Recruitment-HQ-Gazetted> Section. All unit-In charge and concerned Personnel Officers shall ensure that the notification is given wide publicity and also pasted in the Notice board.

Encl: As above


(Neeraj Anand)
Deputy Chief Personnel Officer(Gaz)
for Principal Chief Personnel Officer

Copy forwarded for information and necessary action to:

1. Sr.DPO/ DPO /BSP,R &NGP,
- 2.Sr DME/BSP,R,NGP & Sr DME(DLS)R ,NGP
3. All Personnel Department Officers/HQ/SECR
4. GS/DPMRMU/BSP, GS/AISC-ST/Association/BSP.
5. NOTICE BOARD


for Principal Chief Personnel Officer

South East Central Railway

ANNEXURE-‘A’

Paste a
photograph
duly attested

PROFORMA for 30% (AME/ADME)

1	Name	
2	Father's Name	
3	Present Designation/Station/ Unit	
4	Community (UR/SC/ST)	
5	Lien holding Railway	
6	Date of Birth	
7	Date of appointment	
8	Designation in which initially appointed and scale (Rs.)	
9	PF NO:	
10	Present scale (Vth PC) / Grade Pay (VIth PC) / Pay Level (7 th PC)	
11	Date of Regular Promotion or appointment 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)	
12	Date of Regular Promotion or appointment in scale Rs. 6500-10500 (5 th PC), PB-2 Rs. 9300-34800, with GP Rs. 4600/- (6 th PC)/ Pay Level 7 of (7 th PC)	
13	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 23/06/2022 or 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 23/06/2022	Year.....Month.....Days.....
14	Any DAR case is pending or otherwise	
15	Mobile No.:	

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/BSP. The particulars given by the employee against column No.1 to 15 have been scrutinized and found correct as per the service record and the above named employee is eligible/ not eligible to appear for the selection for the post of **(AME/ADME)** (Gr.B) against 30% quota in **Mechanical Department** and it is certified that no Adhoc or fortuitous service has been taken in to account for computing the eligibility as on **23/06/2022**. In case any variation in the service particulars this office shall be held responsible.

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

PROFORMA -30% (AME/ADME)

1	2	3	4	5	6	7	8	9
Sr.No	Name	Present Designation/Station	Lien	Community (UR /SC/ ST)	Date of birth	Date of appointment & designation, grade to which appointed	P F No	Qualification

10	11	12	13	14	15	16
Present Grade/Scale	Date of regular promotion in present Grade /scale	Regular promotion in scale GP Rs.2400/-, GP Rs.4200/-, Should be equated with as given below (NOTE)	Regular promotion/ appointment in scale Rs. 6500-10500/- (5 th PC) (pre-revised)/ GP-4600/- (6 th th PC) Level-7 (7 th PC)	Present grade Regular/ Ad-hoc	Remarks Eligible/ Not eligible	Willing/ Unwilling

Signature of controlling officer/
Concerned Personnel Officer

NOTE: Comparison of grades of running staff with those of stationary staff for the purpose of promotion/ selection to Group 'B' posts, in terms of Estt. Rule No.133/2015, circulated vide Board's letter No. E(GP) 2005/2/87, RBE No. 92/2015, Date:18.08.2015, may strictly be followed while forwarding the applications of employees.

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
Sr. Asstt. Loco Pilot (NF) (80%)	PB-1 + GP Rs. 2400	PB-1 + GP Rs. 2400
Asstt. Loco Pilot (20%)	PB-1 + GP Rs. 1900	PB-1 + GP Rs. 2400

ANNEXURE -C**PROPOSED SYLLABUS FOR 30 % LDCE FOR PROMOTION TO GROUP "B" FOR AME/AWM IN MECHANICAL DEPARTMENT****GENERAL KNOWLEDGE**

This section would contain questions of general interest and importance which is acquired by general observation and reading without Specific text book study. Subjects of national importance as well as achievements of railways will also be covered. The standard of General knowledge Shall not be more rigorous than Matriculation.

GENERAL MATHEMATICS

- --Arithmetic & Statistical operations Graphs, Fractions, Percentage, Sampling & Averages,
- Geometry-Area & volume up to Higher Secondary/ Class 12 standard
- Algebra, simultaneous equations etc up to Higher Secondary/ Class 12 Standard
- Mechanics Velocity & Acceleration, work done & horse power etc up to Higher Secondary / class 12 standard

STRENGTH OF MATERIAL

Various Engineering materials and their properties, Bearings, Stress & Strain, Fatigue, hardness, Corrosion & Surface finish

PHYSICS & BASIC ELECTRICITY

- Temperature & its measurement
- Mechanics: Newton's Laws of Motion, Velocity & Acceleration, work, energy, power, Archimedes Principles etc.
- Heat & Work, Expansion of Solids, Liquids & Gases
- IC Engines, Gas Turbines, Heat Recovery & Thermal Efficiency, Supercharging & Intercooling
- Ohm's Law, Coulombs Law, Faraday's Laws, Voltage, Current & Resistance, wet & dry batteries, power factor
- Simple Motors & Dynamos-Principle & working, transformer, relay, fuse, circuit breakers
- Power Supply, AC & DC, Rectification

GENERAL

- Out of commission (under repair) percentage for different types of rolling stock & motive power and how to minimize the same
- Different Types of Locomotive, Coaches & wagon Stock in use on the Railways.
- Prevention of hot boxes on motive power/rolling stock & maintenance of roller bearings.
- Disaster Management- Accident Classification, duties of first official to reach at accident site, causes of accidents and their prevention, existing disaster management system & its short comings, recommendations of high level committee, accident Enquiry
- Corporate Safety Plan, RSRC Recommendations, Benchmarking, Quality Improvement in Work area Failure analysis, Performance indices, Items to be inspected at workplace
- Health & Safety Standards in Shops, sheds & depots

STORES

- Classification of stores, Procedure for 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

INFORMATION TECHNOLOGY

- Familiarity with personal Computer Specs- Processor, RAM, Hard Disk, Floppy, CD, Multimedia etc.
- Operating System- Windows: Starting & closing programs, Creating /Saving/Copying/Moving files in PC and moving files from one PC to Another PC
- Utilities/Accessories: Disk Cleanup, Defrag, Antivirus, CD Burning
- Basic MS Word, Excel and Power Point; Basic Local Area Networks: Servers, Hubs, Switches, Structured Cabling, Nodes, Network applications

Using Internet: Email, Browsing, Searching
OTHER ISSUES
Environment, Quality Management Systems ISO 9000&ISO 14000
Sufficient number of questions shall be included in each of the disciplines to enable a candidate to answer the questions up to full 150 marks. Part -A consists Establishment & financial rules worth 50 marks. Part B contains professional portion of 100 marks in Four sections representing various streams of Mechanical Branch – Division & Workshop management, Diesel Locomotives, Carriage & Wagon and Workshops. Candidates can attempt questions from their own discipline or from more than one discipline if he so desires to complete up to 100 marks.
ESTABLISHMENT RULES General Conditions of service of Railway servants including rules regarding leave, Joining time, Passes Railway service D&A Rules 1968, Railway Service Conduct Rules- 1966, Retirement Benefits, Payment of Wages, Allowance and Overtime, Labour laws including Payment of wages Act, Workmen's Compensation Act, Hours of Employment Regulations, Factories Act, Industrial Disputes Act, Contract Labour Act, Manpower Planning & training, Welfare measures in Railways, PNM, JCM& PREM
FINANCIAL RULES
- Parliamentary Control over Railway Finance- Public accountability, Cannons of Financial Propriety - Railway Budget- Budgetary terms; types of Budgets, Budget Cycle, Demand for grants, Expenditure Classification. - Works Programme- Financial justification of Works- Preparation of Estimates; Capital budget, Control Over Capital Expenditure - Financial and Cost Control in railway workshops, Sheds & Depot - Delegation of powers - M&P Programme, RSP
DIVISIONAL WORKING & OPERATIONS MANAGEMENT
- Working Time Table - Working in Control Office - Power Plan & Engine Utilization - HOER & Crew Planning - Running rooms & crew booking point management - Fuelling Installations management - Running Staff Training - Load Trials - Drivers Grading System - Accident classifications, definitions, ART Ordering, Role of Supervisors & Officers at accident site Management. 140 ton Crane Construction & safety in Operations
DIESEL LOCOMOTIVES
- Preventive maintenance schedules - Latest design improvements in diesel locomotives to reduce failures on line - Design improvements in bogies to make them fit for high speed operation - Brake system of diesel locos including working of expressors 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
- Testing Equipment required in sheds for governors and fuel injection pumps .Non destructive testing such as Zyglo & magnaflux
- Trouble shooting on locomotives running on the railways
- Fuel Economy on diesel locomotives
- Maintenance requirements of different assemblies like- Traction motor/ Traction generator, express or, Turbo supercharger, power assembly, cylinder head
- Thermal loading of engine components'
- Under gear maintenance
- Suspension bearings, wheels
- Excitation system, transition, dynamic braking, carbon brushes, relays & Contractors
- Load Box testing
- Improvements made in ALCO locomotives
- DEMUs- types, systems & trouble shooting
- Biodiesel, CNG
- Introduction to GM Locomotives and its systems

CARRIAGE & WAGON

- Coaching stock- preventive maintenance schedules in Coaching Depots including IOH.POH Schedules in shops; Wagon Stock- preventive maintenance including ROH in depots and POH Schedule in shops.

- IRCA Rules for reject able defects
- ICF Bogies and their maintenance in sick line /shops
- Casnub Bogie & its modifications for high speed
- Corrosion repairs to coaching and goods stock.
- Couplers & Draw gear, Train parting & measures to avoid the Same
- Water availability in coaches
- Fire prevention on Trains
- Air Brake System-Twin Pipe & single pipe. Under frame & bogie mounted brake system, Test
- Rig, Checking timings, troubleshooting, DV defects, and slack adjustment methods. Brake Binding
- Passenger amenity items
- Coach Housekeeping
- Maintenance pattern of freight trains including CC Rakes & Coaching stock maintenance including Revised policy Circular: 4
- Neutral train Examination
- Ride Index
- Anti Telescopic features
- 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 Tank Wagons

WORKSHOPS

- 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, cufting tools & cutting speeds

- CNC machines
- CL W 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

