

South Eastern Railway

Office of the
General Manager (P)
Garden Reach; Kolkata – 43
dated 22.09.2021

No.SER/P-HQ/GAZ-CON/260/6/AME(70%)/21

The PCME/PCPO/ SDGM - SER
The CWE/CMPE/CRSE(Fr)/CRSE(Chg.)/CEnHM-SER/GRC
The CWM & All Dy.CMEs / WPO-KGPW
The DRM(P)/Sr.DME- SER/ADA, CKP, KGP, RNC
The Sr.DME/DME(Dsl)- BNDM, KGP & BKSC
The SPO(M&EL)/ APO(Co)-GRC

Sub: Selection for formation of a panel of ADME/ AWM(Group-B) against 70 %
Vacancies of Mechanical Department for the assessment year 01.01.2021
to 30.06.2021.

It has been decided by the Competent Authority that the written test for formation of a panel of 06 (UR- 05, ST-01) vacancies of ADME/ AWM (Group-B) against 70% vacancies, for the assessment year 01.01.2021 to 30.06.2021, of Mechanical Department will be held shortly. Accordingly, a provisional list of 18 senior most willing and eligible candidates from integrated seniority list, who are coming within the zone of consideration, as received from SPO(M&EL)/GRC's letter no. SER/P-HQ/EM/260/AME/AWM/Gr.'B' dated 17.09.2021, is furnished below for the above selection.

Srl.	Name (S/ Sri)	Designation	Position in the integrated seniority
1.	Nripanka Sekhar Mishra	SSE(D)/ KGPW	1
2.	Samir Kumar Mondal	SSE(D/M)/ KGP	2
3.	Kamalesh Kumar Haith	SSE/ KGPW	3
4.	Mahendra Singh, ST	CLI/TATA/ CKP	12
5.	Ramesh Pattanayak	SSE(D)/ KGP	13
6.	Sankar Deb Mandal, SC	SSE(D/E)/ KGPW	18
7.	S.S. Nandi	SSE(D/E)BNDM/ CKP	19
8.	Swapn Kumar Das	SSE(D/M)/ KGP	20
9.	Neeraj Kumar	SSE(C&W)BNDM/ CKP	23
10.	Jai Prakash Tigga, ST	SSE(D/E)/BNDM/CKP	24
11.	Sanjay Kumar Anand	SSE(DM)/BNDM/ CKP	27
12.	Gobardhan Ichagutu, ST	SSE(C&W)/DPS/ CKP	34
13.	Ramesh Sahu, SC	SSE(C&W)/ADTP/ CKP	37
14.	Paltu Baraik, ST	SSE(C&W)BNDM/ CKP	38
15.	Munuren Champi, ST	SSE(D/E)BKSC/ADA	39
16.	Samit Ranjan, SC	SSE(C&W)/RNC	40
17.	Sujeet Kumar	SSE/ KGPW	43
18.	Santosh Kumar Pradhan	LP(P)/DPS/CKP	44

NOTE:

1. If any discrepancy is noted in the integrated seniority list of candidates, the same should be informed to this office within 15 days from issue of this letter. If no intimation is received within the prescribed period, the list will be treated as Final and selection will be processed accordingly.
2. If any candidate is subsequently found ineligible for the above selection at any stage, his/her candidature will be rejected.

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3. Efforts may be made to ensure acknowledgement of this Zone of Consideration among the candidates concerned. In case any candidate is on leave or on deputation to other Railways / Units or on sick list, the Controlling Officer concerned 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.

SCHEME OF EXAMINATION:

A) In terms of Railway Board's letter No. E(GP)2018/2/31 dated 19.03.2019(RBE 53/2019) the written examination will comprise of one Paper which will have **100% Objective type Multiple choice Questions** with negative marking; @1/3 of the marks allotted for each question will be deducted for each wrong answer. The paper will be of **100 marks** and distribution will be as under:

- i. Technical Subject including Official language policy : 70 marks
(NOTE: There will be 10 marks on Official Language Policy, which shall be optional in nature).
- ii. Establishment and Financial Rules : 30 marks
- iii. **Qualifying marks: : 60** (out of 100).

The successful candidates in the written examination will be called for viva-voce test subject to being found medically fit in the prescribed medical standard.

B) Record of Service and Viva-voce:

	Max. Marks	Qualifying marks
1. Record of service (Assessment of APARs)	25	30 (Including minimum 15 marks in record of service)
2. Viva-voce	25	

Syllabus: A copy of syllabus is enclosed herewith for guidance of the candidates.

Pre-selection training will be imparted to the ST candidates only, for a period of 3 to 4 weeks to be organised by Mechanical Department.

Date of written test: will be notified shortly.

The Controlling Officers, Sr.DPOs /DPOs should ensure that the ACRs of the candidates who have volunteered for the above examination, for the last 5 years complete in all respects is available with him and be sent to Dy.CPO(Gaz) at a short notice. It is the responsibility of the Controlling/Staff Officer that if any adverse remarks or the point below the bench mark in the ACR of any candidate is detected, the same should be informed to the candidate and dispose the representation, if received, immediately.

Please acknowledge receipt.

Encl: Syllabus.

NOTE: This is also being uploaded on www.ser.indianrailways.gov.in. Candidates have to check the website for any further update.


(Ravi Kumar)

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

SOUTH EASTERN RAILWAY
Syllabus for Group – 'B' selection (70% departmental)

Syllabus for technical subjects

A. WORKSHOP

- Workshop layout for POH of coaches / wagons / diesel locomotive
- POH of coaching stock i.e. ICF/LHB coaches & diesel locomotive
- POH of different Goods stock i.e. BOXN, BOXNHL, BCN, BCNHL, Hopper wagons, Flat wagons and other variant of wagons.
- Corrosion repair of coaches and wagons
- Maintenance of roller bearing & CTRBs
- Maintenance of CBCs for coaching stock & freight stock
- Maintenance of Wheels & axles
- Maintenance of air brake components
- Upper gear attention of coaches during POH
- Different types of welding processes, welding defects
- Heat treatment of ferrous items such as surface hardening, annealing, normalizing etc
- Different metallurgical destructive and nondestructive testing carried out for failure analysis
- Different machineries & plants used in railway workshop for POH of coaches, wagons and diesel locomotives
- Preventive maintenance of machineries and plants
- Paints & painting systems
- System of labour accountal GA Cards for time keeping documents, Job/Route Cards, inspection & rate fixing
- CLW Pattern of Incentive Scheme, Group Incentive Scheme
- Material handling
- Inspection, progress, quality control of coaches and wagons during / after POH in workshop
- Examination of coaches & wagons by neutral control organization team
- Classification of Stores, Procedure for drawl of Stores for stock & non stock items
- Inventory control, ABC Analysis
- Basics of computer

B. CARRIAGE & WAGON

- Different types of coaching stock, its special features and preventive maintenance schedules including IOH & SS-I.
- Different types of freight stock, its special features and preventive maintenance including ROH in depots.
- Rolling in examination & GDR checking.
- Air Brake System-Twin Pipe & single pipe. Under frame & bogie mounted brake system, Test rig, DV defects, slack adjustment methods. Trouble shooting- brake binding, hot axle & measures to avoid the same.
- FIAT bogies, ICF Bogies and their maintenance in sick line /shops
- Different Casnub Bogies& its modifications for high speed train operations
- Couplers & Draw gear, Train parting& measures to avoid the same.
- IRCA Rules for rejectable defects
- Bio Toilets- working, maintenance & latest modifications.
- Coach Housekeeping- Mechanized coach cleaning, Clean Train Stations, On-Board Housekeeping Services, coach watering
- Pest & Rodent Control in coaches as well as Yards.
- Passenger amenities in coaches, passenger complaint & redressal systems in Railways
- Fire safety measures in trains
- WILD, Weigh Bridges, Tippler, OMRS
- Wheel Lathes, EOT crane, welding machines, Air compressor, Test Rigs, Different gauges, various tools for maintenance of coaches and wagons.
- Linen management – Linen sets, Mechanized Laundries, condemnation of linen
- Various coaching and freight performance indices
- Neutral train Examination
- Environment & Housekeeping- IMS & different certification
- Infrastructure facilities required for coaching & freight train maintenance depots

C. DIESEL LOCOMOTIVES (ALCO & GM LOCOMOTIVE AND DEMU)

- Preventive maintenance schedules
- Fuel oil system of diesel engines& fuel economy on diesel locomotives
- Lube oil system & control of lubricating oil consumption
- Cooling water system of diesel engines
- relays & contactors
- Load Box Testing
- Excitation system, transition, dynamic braking, carbon brushes
- Brake system and under gear maintenance of diesel locomotive
- Suspension bearings, wheels
- Safety devices used on diesel engines and locomotives

- Testing Equipment required in sheds for governors and fuel injection pumps.
- Nondestructive testing such as Zyglo & Magnaflux
- Maintenance of Traction motor/ Traction Generator, Turbo Supercharger, Power Assembly, Cylinder Head
- Thermal loading of engine components
- Trouble shooting on locomotives running on the railways
- Latest design improvements in diesel locomotives to reduce failures on line and high speed operation
- DEMUs-types ,systems, maintenances & trouble shooting
- Biodiesel, CNG

D. DIVISIONAL WORKING OPERATIONS MANAGEMENT

- Working Time Table
- Working in Control Office
- Power Plan & Engine Utilization
- HOER & Crew Planning
- Running rooms & crew booking point management
- Fueling Installations Management
- Training of running staff, Supervisor and staff
- Load Trials
- Foot plate inspection, on-board train inspection
- Drivers Grading System
- Accident Classification, definitions ART Ordering, Role of Supervisors & officers at accident site Management.
- SPART, SPARMV, 140 ton Crane Construction & safety in operations
- Responsibilities of officer at the site of accident
- Track / loco / Rolling Stock readings at the site of derailment / accident

Syllabus for establishment & financial rules and Official language

E. 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 ^Allowances 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
- PNMJCM&PREM

F. 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
- Draft para, Audit para

G. OFFICIAL LANGUAGE

As per extent instructions of Board the question paper contains question on Official Language Policy and Rules to an extent 10% of Professional Ability. Attempting the question is not however compulsory.

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