

SOUTH CENTRAL RAILWAY

Office of the General Manager
Vigilance Branch
Rail Nilayam
Secunderabad

No.G.180/CON/VIs/Mech./S&T/Vol. V

Dt: 31.03.2021


PCME/SC, PCPO/SC,
DRMs/P/SC, HYB, BZA, GTL, NED & GNT,
CWMS/GTPL, TPTY & LGDS
Sr. DMEs/HYB, BZA, GTL, NED & GNT, Sr. DME(Co-ord)/SC

Sub: - Filling up of the post of Chief Vigilance Inspector/Mechanical in
Level- 7 of 7th CPC

It is proposed to conduct a selection by calling volunteers from Mechanical Department, fulfilling the following conditions to fill up **ONE** ex-cadre post of Chief Vigilance Inspector/Mechanical Discipline in Level - 7 of 7th CPC. Therefore, it is requested to give wide publicity amongst the eligible candidates and forward the applications received in the proforma enclosed, duly certified the relevant information.

Terms and Conditions: -

1. Volunteers should be working in Pay Matrix Level-7 of 7th CPC on regular measure (not under MACP) of Mechanical department other than the ministerial staff.
2. Staff Working in Pay Matrix Level-6 of 7th CPC on regular measure with minimum of 02 years service in the grade may be considered in case no volunteers from Pay Matrix Level-7 are found.
3. The volunteers should have put in minimum five years cumulative service in Railways as on the date of notification.
4. They should have minimum **05 years** leftover service at the time of applying to the post.
5. They should be free from DAR/SPE/Vigilance cases and should not have been taken up under DAR as a result of SPE/Vigilance cases during their entire period of service. They should have good record of service with proven integrity.
6. They should not have served as Vigilance Inspector in the past.
7. They should have flair for vigilance work i.e. in vigilance investigations and other associated works.
8. Nature of work requires extensive travelling. Therefore, volunteers should be willing to work under such condition.
9. They should be working in a cadre post not in ex-cadre post.
10. The posting of VI is on tenure basis for a period of 04 (four) years. However, if the performance of the employee posted as VI is found unsatisfactory, he/she will be repatriated to the parent department at any time before completion of tenure without assigning any reasons thereof.


31/3/21

MODE OF SELECTION:

A written test will be conducted for the eligible employees of 100 marks (same will be scaled down to 50 marks for final evaluation) with duration of three hours. No supplementary written test will be conducted since the selection is by calling volunteers. The question paper consist of descriptive questions only the maximum of 100 marks out of which questions on departmental subject is set for 70 marks and for remaining 30 marks shall be on DAR, RS (Conduct) Rules, Establishment Rules and Official language.

The candidates/employees who secure minimum 60% of marks in the written examination will be called for next level of examination i.e for Vigilance Aptitude and Computer Knowledge Test of 30 marks.

Thereafter, considering APARs of last 3 years (Max – 15 marks) and for academic qualifications (Max – 5 marks) put together with the above written examination marks the final empanelment will be done purely based on merit, since it's a selection among the candidates who secure minimum 60% marks in aggregate subject to having qualified in the written examination with minimum 60% of marks.

Copy of the Syllabus for written exam is enclosed.

Applications in the proforma enclosed should be completed in all respects duly signed by respective branch officers. After due verification personnel branch officers should certify the contains clearly with respect to APARs, Grading, Integrity and details of punishment undergoing/Contemplated.

All applications should be sent to this office in a sealed cover addressed to Sr.VO/Personnel, 3rd floor, Railnilayam, Secunderabad so as to reach this office not later than **30.04.2021**.

The notification and proforma of application can be downloaded from the S.C.Rly website [www.scr.indianrailways.gov.in] under the head About Us – Department-Vigilance-Selections – Selection notification - ~~CVO~~ Mech.

Encl: As above.


(B.SRINIVASA RAO) 3/3/21
Sr. Vigilance Officer/P
For SDGM & CVO/SC

(Enclosure to letter No G.180/CON/VIs/L Mechanical I /Vol. V, dated 31.03.2021)

Application for the Post Of Chief Vigilance Inspector/Mechanical in Pay Matrix Level-7 of 7th PC

(To be filled by the applicant)

Name	
P.F.No.	
Designation/Station	
D.O.B / D.O.A	
Substantive Grade/Level	
Date of entry into present Pay Level	
Educational Qualifications	
Whether punished as a result of Vig/SPE Cases	Yes/No
Whether worked earlier as V.I. or I.I. in Railway Board	Yes/No
Working knowledge in Computers	Yes/No
Official contact phone No & CUG if any.	

Date:

Signature of applicant

FOR OFFICIAL USE

It is certified that the above service particulars are verified and found correct. There are no DAR/SPE/VIG cases pending against him. The grading as per APARs and Educational Qualifications as per Service Register is as under.

Year	2017-18	2018-19	2019-20	Qualifications as SR
APAR Grading				
Integrity as mentioned in the APAR				
Details of undergoing Punishments /Contemplated				

Signature of Cadre Officer

Date:

Signature of Controlling Officer

Date

Syllabus for selection to the post of CVI/Mechanical (Written Test)

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

DIVISIONAL WORKING & OPERATIONS MANAGEMENT

- 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 Classification, 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 expressers 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 Zygló & magnaflux • Trouble shooting on locomotives running on the railways
- Fuel Economy on diesel locomotives • Maintenance requirements of different assemblies like – Traction motor/ Traction Generator, expressor, Turbo supercharger, power assembly, cylinder head • Thermal loading of engine components • Under gear maintenance • Suspension bearing, wheels • Excitation system, transition, dynamic braking, carbon brushes, relays & contactors • Load Box Testing • Improvements made in ALCO locomotives • DEMUS- types, systems & trouble shooting • Biodiesel, CNG • Introduction to GM Locomotives and its systems. • Warranty Failures.

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 rejectable defects • Electronic In motion Weigh bridges
- 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, trouble shooting, DV defects, Slack adjustments methods. Brake Binding • Passenger amenity items.
- Coach Housekeeping, MCC, OBHS, CTS and Linen Management.
- 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 • Bio-Toilets • Warranty Failures •
• 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, 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 & Catridge Bearings • Injury free features in coaches • Material handling • Warranty Failures • House Keeping and other works contracts in workshops.

OFFICIAL LANGUAGE: As per Railway Board's Lr.No. E(GP)2005/2/8 dated 20.06.2008.

STORES AND TENDERS

• Classification of Stores • Procedure for drawal of Stores • Indenting Procedures • Procurement methods – Local purchase, Spot purchase • Tenders, IREPS, E-Tendering process for works/service contracts, Tender Committee, Execution of works/service contracts
• Direct Purchasing • Schedule of Powers • Incoming inspection requirements • Scrap

ENVIRONMENT

Quality Management Systems ISO 9000 & ISO 14000

ESTABLISHMENT MATTERS

• 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, • PNM, JCM & PREM

FINANCIAL RULES

• Parliamentary Control over Railway Finance – Public accountability, Cannons of Financial Propriety • Railway Budget, 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.