

CENTRAL RAILWAY

CWM's OFFICE,
Personnel Deptt.,
PR., Mumbai-12.

NOTIFICATION

No. PL/PR/0412/Instr.

Date: 21.10.2024.

DRM(P) BB PA SUR BSL NGP
CWM PR MTN WM KWD BD
Sr.DME (CO) (FR) BB PA SUR BSL NGP

Sub : Selection to the Ex-cadre post of Instructors in Level-6, GP Rs.4200/- of
Basic Training Centre PR Workshop.

It has been decided to form a panel for the Ex-cadre post of Instructor in Level-6 with
corresponding GP 4200/- in order to fill up 11 vacancies in BTC of Parel Workshop.

Sr No.	Trade	No. of Vacancy
1	Diesel Mechanic	4
2	T/ Fitter	1
3	Millwright	1
4	Machinist	2
5	Motor Driver	1
6	Fitter	2
	Total	11

Above
as per
312/2020
29/10/24

1. Eligibility Conditions :

Applications are invited from the willing and eligible staff of respective trade who fulfil the following eligibility conditions :-

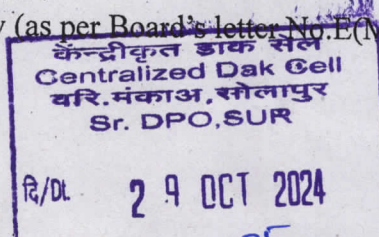
Upper age limit as on date of notification i.e as on 04.10.2024 is 58 years vide Railway boards letter No. E(MPP)2023/3/6 dated 04.09.2023 circulated by PCPO's letter No. CR-HQ0PERS(PUMR)/13/2023 dated 07.09.2023. Technical Category employees working in Level-6, GP 4200 on regular basis in Mechanical Department preferably of above trades as per trade wise vacancy mentioned above and employees working in Level-6 on regular basis as JE Diesel, T & C, DRG & C&W.

2. Tenure & Lien of post :

The post of instructors being an ex-cadre post maximum tenure should be 5 years vide Railway boards letter No. E(MPP)2023/3/6 dated 04.09.2023 circulated by PCPO's letter No. CR-HQ0PERS(PUMR)/13/2023 dated 07.09.2023 in the BTC from the date of regular selection by the selection committee. The Lien of the selected candidates will be maintained in their parent cadre for further promotion.

3. Teaching allowance :

12% of Basic Pay (as per Board's letter No.E(MPP)2012/3/28 dated 06.10.2017).



Contd...2/-

4. Reservation & Promotion :

Being an ex-cadre and tenure post there is no further avenue of promotion and no reservation rules are applicable.

5. Other Terms & Conditions :

Employee who had previously worked as Instructor at BTC/Zonal Training School etc. are eligible to apply after a gap of one year from the date of repatriation from their department.

Preference will be given to the employees having graduation in any faculty, Computer knowledge and aptitude for cultural activities, sports experience etc.

The employee will not normally be allowed to decline the post, if selected. The selected candidate may be repatriated at any time before completion of tenure without assigning any reason.

In terms of Railway Board's letter No.E(NG)I/2018/PM I/4 dated 14.12.2018 & 14.11.2019 circulated by PCPO HQ's letter No.P/HQ/Ruling/O/803 dated 19.12.2018 & 28.11.2019 respectively, question paper will be 100% Objective type, all the questions will be of multiple choice only and there shall be negative marking for incorrect answers. 1/3" of the marks allotted for each questions will be deducted for wrong answers. Duration of examination will be 02.00 hrs, there will be a total of 110 questions, 10 questions will be optional on Rajbhasha. If, any candidates answers more than 100 the first attempted questions will count vide Railway Board's letter No.(NG/2018/PM1/4 dated 14.06.2019.

6. Selection Process :

Written Test (75 marks) – 100% objective type questions and Classroom lecture Trial (25 marks). Thus the above selection process will evaluate the knowledge as well as communication skill of the candidates as both are required for the post of Instructors.

Maximum marks – 100, Qualifying marks – 60% vide Railway Board's letter No.(NG)1/2017/PM 1/11 dated 13.05.2019 circulated by HQ's letter No. P/HQ/Ruling/O/803 dated 21.05.2019.

7. How to apply :

The candidates fulfilling the criteria may submit their application in the prescribed proforma enclosed through their respective controlling authority of Division/Depot/Unit/Workshop in duplicate alongwith attested copies of their educational qualification by 19.11.2024.

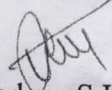
The immediate controlling Supervisor after checking all the data of the proforma application and ensuring to be in order, will forward one copy of the same to the personnel branch of their respective Division/Workshop by 23.11.2024.

After verifying the service particulars of each applicant, Personnel Officer shall forward the same to CWM PR on or before 30.11.2024.

After scrutiny of applications of eligible candidates they will be called for Written Test. It may please be noted that No Supplementary test will be conducted.

The applicant shall be advised to be in readiness for the written test treating this notification is an advance notice. Syllabus is attached herewith.

This notification may please given wide publicity amongst the staff concerned, by pasting copies of the same on the office/shop notice board.


(Pradeep S Kalal)
APO
For CWM/PR

DA/- One Proforma and Syllabus

Copy to : Dy.CME - II PR for information please.

AWM/C PR for information please.

Ch S&WI PR :for information and n/action. He will display this notification on the Notice Board.

Ch O S E1/A PR : for information. This connects your letter No.PL/PR/0227dated 09.09.2024.

Secretary CRMS, NRMU, SC/ST Association, OBC Association PR Branch : for information please.

PROFORMA

To,
The Chief Workshop Manager,
Central Railway Locomotive Workshop,
Parel, Mumbai-12.

(Through Proper Channel)

Sub : Proforma for application for the Ex-cadre post of Instructor in Level-6
GP Rs.4200/- in BTC PR of PR Workshop.

Ref : Notofication No.PL/PR/0412/BTC/ Instr. dated 21.10.2024.

Affix recent
photograph
attested by
Concerned
Gazetted
Officer

1. Name of the Employee
(in block letters as per the record) :
 2. Designation , Salary No., Level :
 3. Date of Birth & Age :
 4. Date of Appointment :
 5. Place of Working (Office/Shop) :
 6. Date of Promotion in GP Rs. 4200 :
 7. Designation at the time of Appointment :
 8. Trade :
 9. Educational Qualifications
(enclose attested copy of certificate) :
 10. Technical Qualifications
(enclose attested copy of certificate) :
 11. Community (Genl/SC/ST)
(enclose attested copy of certificate) :
 12. Knowledge & experience :
 13. Whether worked as Instructor in BTC/
ZRTI etc. If yes, tenure of working. :
- Date :
Place :

Signature of the applicant :
Name & Designation :

Note : All columns should be filled properly.
Memo No. _____

Forwarded and certified that the above particulars are checked and found correct as per record available in this office. This is in reference to CWM PR's Notification No. PL/PR/0412/ Instr dated 21.10.2024

Signature of forwarding Officer
Designation :
Office Stamp :

SYLLABUS FOR THE POST OF INSTRUCTOR IN BTC, PAREL

PART -A (common for all Trades)

Sr.No	Description
1	General knowledge on current affairs and Railway working.
2	DAR Rules.
3	(Rajbhasha) Official language act and Rules
4	Establishment rules and Welfare Schemes.
5	Mathematics (10 + 2 Level)
6	General Science (10 + 2 Level)
7	English Language ((10 + 2 Level)
8	Basic engineering drawing.
9	Basic Computer knowledge & IT.
10	Labour Laws. (Factory Act, Workmen Compensation Act, Payment of wages Act)
11	Quality Management Systems
12	Material classification & Specifications.
13	Heat treatment-hardening, normalising, annealing etc.
14	Stores Working.
15	Production control organisation (PCO)
16	Incentive scheme.
17	RTI Act
18	Abbreviations
19	Knowledge of safety norms, First Aid and Fire Fighting.
20	Measurement, Measuring Instruments & Gauges.
21	Limit, fit, tolerance.

SYLLABUS FOR THE POST OF INSTRUCTOR IN BTC,PAREL

PART-B: Trade Related Topics

Trade: Diesel Mechanic

Sr No.	TOPICS
1.	Knowledge of various sections in WDM-2 shop.
2.	Types of locos on IR and its Specifications.
3.	Major components of diesel locomotives and its functioning
4.	POH Procedures of Diesel Locos.
5.	Fuel Oil System
6.	Water Cooling System
7.	Lube Oil System
8.	Inlet Air System
9.	Manufacturing Procedures of WDS6 & WDG3 Loco
10.	Types of Bogies: conventional & High Adhesion Bogie
11.	Braking System : IRAB and 28 LAV1
12.	Load Box testing Mech and Elect.
13.	Latest modifications in DSL Loco.
14.	Safety devices & Safety fittings in Locomotives.

Trade: Transmission Fitter

Sr No.	TOPICS
1.	Knowledge of various sections in WDM-2 shop
2.	Types of locos on IR and its Specifications.
3.	POH Procedures of Diesel Locos
4.	Basic Electricity
5.	Types of Conductor, Insulators & wires.
6.	Relays and contactors used in Locos
7.	AC & DC Circuits , its uses and advantages.
8.	Electrical Safety Equipments in Locos
9.	Starting Circuit
10.	Battery Charging Circuit
11.	Propulsion Circuit
12.	Loco Wiring.
13.	Load Box testing.
14.	Working & Maintenance of D. C. Generator and Alternator
15.	Working & Maintenance of Traction Motor
16.	Latest modifications in DSL Loco.

SYLLABUS FOR THE POST OF INSTRUCTOR IN BTC,PAREL

PART-B: Trade Related Topics

Trade : Machinist

Sr No.	TOPICS
1.	Knowledge of various sections in Machine shop and Wheel shop
2.	Knowledge of various machining works in shop floor.
3.	Precision instruments-OS/IS micrometer, vernier caliper etc
4.	Coolants & Lubricants.
5.	Surface finish, Lapping & Honing.
6.	Working of Lathe Machine
7.	Working of Milling Machine
8.	Taper Turning & Threading
9.	Types of cutting tools & tool angles
10.	Working of special machines like CNC,AJTB,TCM Wheel lathe & VTL
11.	Jig & Fixtures advantages & differences.
12.	Types of Drills, working of Drill Machine and Boring machine.
13.	Working of Shaper, Slotter, planer and grinder machines.

Trade : Millwright

Sr No.	TOPICS
1.	Knowledge of various sections in Millwright Shop.
2.	Precision instruments- OS/IS micrometer, vernier caliper etc
3.	Coolants & Lubricants.
4.	Pipes & Pipe fittings.
5.	Screw threads and fasteners-Nut, Bolts, key,rivets,stud, washer etc
6.	Types of Drills, Drill Machine and Boring machine.
7.	Shaper, Slotter, planer, grinder machines.
8.	Working of special machines like CNC,AJTB,TCM & Wheel lathe
9.	Working of Lathe & Milling Machines and its maintenance
10.	Basic Hydraulics and Pneumatic circuits.
11.	Transmission of power: Belt, pulley, gear, chain, bearing etc.
12.	Maintenance of Air Compressor
13.	Maintenance of EOT Crane
14.	Maintenance of 140 T Hyd. Crane
15.	Chain Types & testing
16.	Procedure of installation of machines
17.	Preventive & break down Maintenance of machines.
18.	COFMOW/COS procurement process, PH 41 & PH42 basics.
19.	
20.	

SYLLABUS FOR THE POST OF INSTRUCTOR IN BTC,PAREL

PART-B: Trade Related Topics

TRADE: SMW

Sr No.	TOPICS
1.	Knowledge of various sections in FAB shop and STR shop
2.	Knowledge of various fabrication works in shop floor.
3.	Sheets and plates: Types & Specifications.
4.	Rivets and joints in Sheet metal works.
5.	Welding Techniques: Classification of Arc Welding electrodes.
6.	Flux coating, advantage of coated & uncoated electrode.
7.	Co2, TIG- MIG & MAG welding
8.	Welding of Ferrous & Non Ferrous Metal
9.	Welding defects & remedies
10.	Material classification, Specifications
11.	Mfg. of WDS-6, ZDM3 Under Frame and ZDM3 bogie
12.	Mfg. of superstructure of ZDM3 loco.
13.	POH, MLR and Corrosion repair of BG Coaches.
14.	Modification of Lube oil Sump
15.	POH of Non Loco Boiler
16.	Basic Knowledge of Carpentry and Painting techniques.

Trade: Fitter

Sr No.	TOPICS
1.	Knowledge of various sections of Fitting shop.
2.	Knowledge of various fitting works in shop floor.
3.	Marking & Marking tools
4.	Hand tools & Cutting tools.
5.	Bench Work & Fitting.
6.	Jig & Fixtures advantages & differences.
7.	Surface finish: Lapping & Honing
8.	Fasteners: Rivets & Riveting etc.
9.	Types of Screw Threads
10.	Lubricant & Coolants.
11.	Drilling, Lathe and Grinding Machines.
12.	Precision instruments-OS/IS micrometer, vernier caliper etc
13.	
14.	
15.	

SYLLABUS FOR THE POST OF INSTRUCTOR IN BTC,PAREL

PART-B: Trade Related Topics

Trade: ACW

Sr No.	TOPICS
1.	Knowledge of various sections in CMS & TMS Shops.
2.	Knowledge of ETL section in STR Shop.
3.	Knowledge of Transmission sec of WDM-2 Shop.
4.	Basic Electricity.
5.	Types of Conductor, Insulators & wires.
6.	Relays and contactors used in Locos
7.	AC & DC Circuits , its uses and advantages.
8.	Types of Rotating Equipments in WDM2 Loco.
9.	Overhauling of Traction Machines.
10.	Overhauling and testing of TM & TG Armature.
11.	Overhauling and testing of Commutator.
12.	Stage wise Inspection of TM & TG Armature
13.	Rehabilitation of TM & TG Magnet Frame (yoke)
15.	Procedure of coil manufacturing
16.	Overhauling of Traction Alternators.

Trade: MOTOR MECHANIC

Sr No.	TOPICS
1.	Knowledge of various sections in Motor shop.
2.	General description of Automobile.
3.	Types of vehicles.
4.	Description of I.C. & E.C. engine.
5.	Description of two stroke & four stroke engine.
6.	Main components of engine.
7.	Fuel supply system.
8.	Cooling system.
9.	Lubrication system.
10.	Transmission & control system in Automobile vehicle.
11.	Electrical systems & its maintenance in Automobile vehicle.
12.	Preventive maintenance of diesel & petrol engines
13.	Trouble shooting of vehicles .
14.	Hydraulic power system
15.	Hydraulic brake system
16.	Pneumatic brake system
17.	CNG fuel system