



EAST COAST RAILWAY

Office of the  
Principal Chief Personnel Officer  
2<sup>nd</sup> Floor, South Block, Rail Sadan  
Bhubaneswar, (ODISHA)-751017

ADDENDUM

No. ECoR/Pers/05/Filling Up/CTI/MDZTI

Date.18.04.2022

PCME/ECoR/BBS  
DRM(P)/ECoR-KUR, SBP, WAT  
CWM(P)/CRW/MCS

Sub: Addendum to notification for filling up of one post of Chief Technical Instructor (Coaching & Freight) in Level-7 in MDZTI/BBS on tenure basis.

Ref: This Office Lr.No. ECoR/Pers/05/Filling Up/CTI/MDZTI dated.01.02.2022  
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Options had been invited to fill up one post of Chief Technical Instructor (Coaching & Freight) in Level-7 in Multi Disciplinary Zonal Training Institute, Bhubaneswar from staff working as S&E (C&W) in Pay Matrix Level-7 of Mechanical Deptt. of ECoR vide this office letter under reference.

The selection process of Chief Technical Instructor (Coaching & Freight) mentioned in Para-4 of terms and conditions of this office letter under reference is modified in terms of RBE No.79/2019 and may be read as:

The selection process is consists of:

- (i) Written test of 75 marks and Classroom lecturer trial of 25 marks.
- (ii) The maximum marks - 100; Qualifying marks - 60%.

The syllabus of the above selection is enclosed herewith for wide circulation and information of all concerned.

DRM(P)-KUR, SBP & WAT, CWM(P)/CRW/MCS are hereby advised to give wide publicity to branch offices/stations and among the staff.

NB: This also available in ECo.Rly. Website([www.eastcoastrail.indianrailways.gov.in](http://www.eastcoastrail.indianrailways.gov.in)).

Encl: Syllabus in 01 page.

  
(Prakhar Gupta)

Dy. Chief Personnel Officer(HQ)  
For Principal Chief Personnel Officer

Copy for information to:  
1. Notice Board of PCPO's Office

  
For Principal Chief Personnel Officer

Syllabus of the written examination for the Ex-cadre post of Chief Technical Instructor (Coaching & Freight) of MDZTI/BBS in Pay Matrix Level-7.

**A. COACHING STOCK**

1. Type of coaches i.e. ICF and LHB.
2. Maintenance schedule of various types of coaches in open line and in workshops.
3. Issuing of BPC and Round Trip BPC for coaching trains.
4. Maintenance of upper gear of coaching stock, including screw coupling and CBC.
5. Maintenance of under-gear of coaching stock, including bogie and air brake system.
6. Water pipe system in coaches.
7. Corrosion and corrosion repairs in wagons.

**B. WAGON STOCK**

1. Types of wagon, i.e. covered, open, tank, hopper and special types.
2. Maintenance schedule of various types of wagons in open line and workshops.
3. Examination of and issuing of BPC for goods trains including long haul.
4. Maintenance of upper gear of freight stock including CBC coupling.
5. Maintenance of under-gear of freight stock including coupling, bogie and air brake system (single pipe and twin pipe).
6. Corrosion and corrosion repairs in wagons.

**C. GENERAL**

Labour laws & Personal Matters: Establishment rules, Leave rules, Pay an Allowance, Pension and PF rules, Pass rules, Hours of Employment Regulations, Conduct Rules-1966, Discipline and Appeal Rules-1968.

Basic Knowledge of Computer: Various terminologies used, Roles of Computers in daily life, advantages, various railway oriented web sites.

Rajbhasha: Basic Knowledge on Rajbhasha (Hindi Official Language).

**D. PROFESSIONAL**

**WELDING:-** Welding Safety, Firefighting, Weld gauge, Welding Rectifier, Transformer, Semi automatic sub-merged Arc welding; Bench vices; Power Hacksaw, Grinder, Electric arc welding including CO2 & MIG/TIG; Plasma cutting, Gas cutting, Welding defects, inspection & testing of welds; Protective clothing; Reclamation/repairs of components by welding; Selection of electrode; incentive scheme of Workshop/Job card; Specification of electrodes; Electrode drivers; Fume hazards; H2, O2 and C2H2 gases;

**FITTING:-** Limits, fits, tolerances, fitter hand tools, cutting tools, marking tools, drilling tapping & reaming, precision measuring instruments, properties of metals, screw threads, heat treatment, bearing, grinding operation, lathe operation.

**CARPENTRY:-** Tree, wood, timber, qualities of timber, veneer, ply woods, laminate & wood screws, different carpentry joints i.e. mortise & tenon joints, dowel joints, dove tail joint, Tongue & groove joint, wood working machine i.e. band saw, circular saw, planning machine.

**MACHINING:-** Lathe machine & various operations on lathe machine, Drilling machine, slotter machine, sharper machine, milling machine, planner machine, shearing machine.

**TRIMMING:-** Various materials used in trimming shop, cushioning procedure of seats & berths, PVC, PVC laying procedure, PVC welding.

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CRSE(Chg.)/ECoR