



Modern Coach Factory, Raebareli

Office of the
General Manager (P)

No. E/NG-III/MCF/RBL/JE/WS/MECH/25%LDCE

Dated 07.08.2021

NOTIFICATION

Sub: General Selection for the post of JE/Workshop, in Pay Matrix, Level-6 (G.P-4200/-) against 25% (IQ) Intermediate Apprentice Quota in Mechanical Department.

- Ref: i) Railway Board's L. No. E(NG)I/99/PM7/17 dated 23.06.2003 (RBE108/2003)
ii) Railway Board's L. No. E(NG)I-1999/PM7/17 dated 09.06.2010 (RBE 85/2010)
iii) Railway Board's L. No. L. No. E(NG)I-1999/PM7/17 dated 14.06.2011
iv) Railway Board's L. No. E(NG)I-2005/PM1/52 dated 22.08.2006 (RBE 117/2006)
v) Railway Board's L. No. E(NG)I-1999/PM7/17 dated 28.07.2003)
vi) Rly. Board's letter No. E(NG)I-2018/PM1/4 dated 14.12.2018 (RBE No.196/2018),
vii) Railway Board's L. No. E(NG)I-2018/PM1/4 dated 14.06.2019 (RBE No.97/2019),
viii) Railway Board's L. No. E(NG)I-2018/PM1/4 dated 14.11.2019 (RBE No. 194/2019)
ix) Railway Board's L. No. L. N. 88-E(SCT)I/42/2 dated 08.04.1991 (RBE 71/91),
x) Railway Board's L. No. L. N. E(NG)I-75-PMI-44 dated 31.05.1982
xi) Railway Board's L. No. E(MPP)-2019/3/48 dated 18.03.2020 (RBE No. 32/2020)
xii) Railway Board's L. No. E(NG)I-2008/PM1/15 dated 03.09.09 (RBE No.161/2009)
xiii) Master Circular 31 & Para 141 of IREM Vol-1

It has been decided by the competent authority to hold the selection for the post of JE/Workshop in pay Matrix level-6 of 7th CPC(GP-4200) against 25% (IQ) Intermediate Apprentice Quota to form a panel of eligible candidates. Accordingly options are invited from eligible willing candidates of Mechanical department, MCF/RBL who fulfill the following terms and conditions:

Total No. of Posts : 20 (UR=15, SC=03, ST=02)

Eligibility Criteria

1. Employee must have completed at least 03 years of non-fortuitous service as Tech-III or higher grade post of Mechanical Deptt. as on the date of notification.
{Authority : Rly. Board L. No. E(NG)I/99/PM7/17 dated 23.06.2003 (RBE108/2003) & Para 141 of IREM Vol-I}
2. Employee must be below 47 years of age as on the date of notification (05 Years relaxation for SC/ST category candidates).
{Authority : Rly. Board L. No. E(NG)I-1999/PM7/17 dated 09.06.2010 (RBE 85/2010) & L. No. E(NG)I-1999/PM7/17 dated 14.06.2011}
3. The cut off date for determining the eligibility of staff viz service condition, age and educational qualification is the date of issue of this office notification i.e. as on 07.08.2021.
{Authority : Rly. Board L. No. E(NG)I-2005/PM1/52 dated 22.08.2006 (RBE 117/2006)}

Prescribed Qualification

4. All serving employees having the qualification of ITI/Act Apprenticeship pass in the relevant trade or 10+2 in science stream from recognized Board/University as prescribed by Railway Board time to time.
{Authority : Rly. Board L. No. E(NG)I-1999/PM7/17 dated 23.06.2003 (RBE 108/2003)}

.1.

Continued.....

Mees
07.08.21
Apo/Staff

5. The employees otherwise eligible and possessing the qualification of Degree or Diploma in the relevant branch of engineering are also eligible to volunteer to appear in the selection for induction as intermediate apprentices along with those who have qualification of ITI/Act-apprentice or 10+2 (Science stream).
(Authority : Rly. Board L. No. E(NG)I-1999/PM7/17 dated 28.07.2003)
6. The existing eligible staff in service as on 12.08.2002 as per pre-revised qualification of Matriculation will be allowed to appear in two consecutive selections held after issue of Board's letter dated 23.06.2003.
{Authority : Rly. Board L. No. E(NG)I-1999/PM7/17 dated 23.06.2003 (RBE 108/2003)}

Mode of Selection and Qualifying Marks

7. Above Selection will comprise of written examination followed by scrutiny of service record and APARs of the candidate who will qualify in the written test. The employees must secure 60% of marks in professional ability as well as in the aggregate. In the case of SC/ST employees must secure 50% marks in Professional ability as well as in the aggregate. **The panel will be formed strictly in order of merit.**
(Authority : Para 8 of Master Circular 31)

Procedure for written examination:

8. Examination will be held in the form of written test. The time of written examination will be 120 minutes and all the questions will be of objective type, out of which 10% questions will be from the Rajbhasha. There shall be negative marking for incorrect answers. One third of the marks allotted for each question will be deducted for every wrong answer.
{Authority: Rly. Board's letter No. E(NG)I-2018/PM1/4 dated 14.12.2018 (RBE No.196/2018), L. No. E(NG)I-2018/PM1/4 dated 14.06.2019 (RBE No.97/2019), L. No. E(NG)I-2018/PM1/4 dated 14.11.2019 (RBE No. 194/2019) & Master Circular 31 Para 7.3}

Pre Selection Coaching:

9. In terms of instruction contained in Railway Board's L.No. 88-E(SCT)I/42/2 dated 08.04.1991(RBE 71/91), Pre-selection/Pre-promotional training to SC/ST employees is to be conducted covering the syllabus of the examination for selection to safety category post. In terms of Railway Board L. N. E(NG)I-75-PMI-44 dated 31.05.1982 all post of production unit are non safety. However, as per past practice in MCF/RBL, 03 weeks pre-selection coaching will be imparted to the candidates belonging to SC/ST category as per syllabus of the selection.

Training :

10. Empanelled candidates in the above written selection will be required to undergo medical examination, if required and also will have undergo training for a period of 52 weeks as prescribed for IQ quota at TTC, which is mandatory, failing which names will be deleted from the panel. During the training period they will get the salary/stipend as admissible as per extant rules.
{Authority: Rly. Board's letter No. E(MPP)-2019/3/48 dated 18.03.2020 (RBE No. 32/2020)}
11. Candidates who will pass in final examination after the above training will be promoted as JE/workshop/Mech. in Pay Level-6 GP-₹ 4200/- and posted against working posts as per vacancy.

Syllabus:

12. The syllabus of the written examination for this selection is enclosed herewith in Annexure-I.

Last Date for Submission of Application:

13. Last date for submission of application is **31.08.2021**.
14. Eligible employees can send their application in the attached format as Annexure-II by 31.08.2021 to participate in the above selection. Incomplete applications will be rejected without any notice and no representation shall be entertained in this regard.
15. In-charges/Controlling Officers are requested to circulate the notification for wide publicity amongst the staff working under their administrative control and on receipt of the application, the same may be sent to the undersigned on or before the cut off date, i.e. **31.08.2021**. Applications received after target date will not be entertained. Staff concerned who intend to apply for the subject selection may be advised to keep themselves in readiness to appear in the written examination at a short notice.

Date of Written Examination:

16. The date, venue and time of written examination will be intimated separately. Staff concerned are advised to keep themselves in readiness to appear in the written test at a short notice. **However, it is advised to the volunteering staff that there will be no supplementary examination for the absentees in the main examination.**

Other :

17. The Incharges/Controlling Officer are requested to send the application through proper channel to undersigned **on or before 31.08.2021**.
18. This Notification is also available on MCF/RBL website **<https://mcf.indianrailways.gov.in/>**

DA: As Above.


(D. S. Meena) 07.08.21
Assistant Personnel Officer/Staff
MCF, Raebareli

Copy to:-

1. Secy. To GM/MCF/RBL : for Kind information to GM/MCF/RBL.
2. PCME/MCF/RBL.
3. CAO/MCF/RBL, CPLE/MCF/RBL.
4. CME/P, CME/P-II, CPE, CDE, CPM, CME/IT/MCF/RBL.
5. All Dy. HOD/Mech. Deptt./MCF/RBL.
6. SPO/Bills & IT: to upload in the website/Mobile APP of MCF/RBL (**<https://mcf.indianrailways.gov.in/>**).
7. Principal/TTC/MCF/RBL with the request to make preparation for imparting pre-selection coaching to reserved community candidates as per syllabus.
8. RITES Bhawan, 1, Leisure Valley Rd, Sector 29, Gurugram, Haryana: For intimating Shri Charanjit Singh, Sr. Tech/Fitter/MCF/RBL.
9. PMCE Office Lucknow/UP for intimating Shri Syed Gulam Abbas, Sr. Technician Painter/MCF/RBL.
10. All Cadre Dealer/Mech.: He is advice to intimate those employees who are currently on deputation and maintaining lien at MCF for advancement.
11. All Notice Board of Main Admin, Mini Admin & Shop Floor.
12. General Secy./SC/ST Association, General Secy./OBC Association/MCF/RBL.
13. CS&WLI, S&WLI/MCF/RBL
14. SSE (General)/Mech./MCF/RBL.: For display on Notice Boards and wide publicity.

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MODERN COACH FACTORY, RAE BARELI

प्रमुख कार्यालय 44
पत्र सं. 218
दि. 18/05/2020
राज्य, रायबरेली

ANNEXURE - I
Office of TTC/MCF/RBL
Date. 16.05.2020

No. M-300/MCF/RBL/Q.058/2019-20


Secy. to PCME
MCF/RBL

Sub: Syllabus of 25% LDCE Quota JE (Mech.) to be promoted from Technician.

Ref: Your office letter no. MCF/RBL/PCME/12111, Vol-5, date: 21.03.2020.

In reference to the above, syllabus of 25% LDCE Quota JE (Mech.) to be promoted from Technician is attached here with in 3 pages for your further necessary action.

DA- As above


Dy. CME/IT&TTC
16.5.2020

Dy CPO
forwarded
Nishkanti
18/05/20

- APO/Staff : for information and necessary action.

APO/Staff ^{Q/M} 23.5.20

Syllabus for JE (Mech) to be promoted from Technicians

SECTION A: (TECHNICAL)

I. COACH

Various stages of coach manufacture. Elementary knowledge of design of LHB coaches. General design features of ICF type and LHB Type coaches. Elementary knowledge of all variant coaches being manufactured at MCF. Elementary knowledge of sub systems of coaches, being manufactured at MCF. Basic features of smart coaches. General features of latest MCF brand coaches such as Humsafar coach, Antyodaya coach etc. Basic maintenance schedule of LHB coaches. Fire retardant materials and design features provided for making the coach fire safe. Passenger amenities and safety items.

II. METTALURGY

Classification and properties of materials used for coach manufacture. Basic knowledge about Heat treatment of materials. Types of testing methods (Non destructive and destructive type).

III. MANUFACTURING of Coaches

Different stages of coach manufacture in MCF, starting from Sheet-metal shop to Finishing of coaches and Quality testing.

IV. MACHINERY AND PLANT

Name and type (NC or CNC) of machinery and plant installed at MCF for the manufacture of Shell, Bogie, Wheel shop in view of automation of manufacture. Types of maintenance practices being followed at MCF.

V. STORES

Classification of stores, stock and non stock items, methods of drawl of different type of stores. Raising non stock indents. Types of tenders and Tendering system. Type of inventories and inventory control. General introduction about IREPS, GeMs and IMMS systems of procurements. Inspection, rejection and stock verification.

VI. ELECTRICITY

Fundamentals of electricity, resistance, voltages, current, Direct current, alternative current.

VII. ELEMENTARY MATHEMATICS

Percentage, profit loss, Rate of interest, area, volume, Basic statistics mean, Basic Geometry. Work and Time , Speed and Distance.

VIII. COMPUTER

Basics of computer, role of computer in coach manufacture.

IX. GENERAL

Important abbreviations used for technical and commercial terms, used in Indian Railway.

Ahmed
16.5.2020.
Dy CME/IT&TTC

SECTION-B (TECHNICAL TOPICS PERTAINING TO SPECIFIC TRADES)

WELDER : Types of welding processes. Applications, advantages and disadvantages of different type of welding processes. Welding defects, quality testing of welded joints. Different types of welding equipments/machines used in MCF. Robotic welding, advantages, different types of metal cutting processes e.g. oxy acetylene, Plasma, Laser. Jigs and fixtures.

FITTER: Limits, Fits and tolerances.

Allowances, surface finish and measuring-instruments, calibration, jigs and fixtures.

PAINTER: Sequence of painting of LHB Coach starting from garnet blasting.

Different type of painting materials used in LHB coach painting.

M&P used in paint shop.

Use of APP in place of Garnet Blasting for surface preparation.

Measuring instruments used for Paint Gloss.

MILL-WRIGHT: Knowledge of different type of M&P available and machine processes followed in MCF. Reconditioning and overhauling, periodical maintenance of machinery and plant. Condition monitoring of M&P in Industry 4.0. Predictive Maintenance. Basic knowledge of hydraulic and pneumatic system.

TOOL AND DIE MAKER: Fundamental knowledge of different type of tools. Design of gauges and templates, limits, Limits, fits and tolerance, Allowances, Design, and maintenance of jigs and fixtures, heat treatments.

DRIVER CUM MECHANIC: Knowledge of transportation machinery and equipment available in MCF, principle of operation and maintenance of different vehicles, condition monitoring, basic knowledge of hydraulic and pneumatic system

MACHINIST: Elementary knowledge of all the operations like Turning, Drilling, Tapping, Boring, Crimping, etc which is applicable in MCF. Basic Knowledge of heat treatment, Jig and fixture, Machine maintenance, Measurement, Limits, fits and tolerance,

Shw
16.5.2020.
DYCME/IT & TTC

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SECTION-C

01. Service Conduct rules.
02. D&AR Rules
03. Rules pertaining to leave, pass
04. Employees Compensation Act
05. Factories Act.
06. Payment of wages and minimum wages Act.
07. Industrial Relations and governing Acts.
08. Role of Staff councils and Unions
09. Welfare Measures taken in Indian Railways.
10. Loans and advances.
11. Retirement Benefits.
12. Official Language Policy.
13. Budget and Costing.
14. Role of Vigilance Organization.
15. HOER (Hours of Employment Regulations)



16.5.2020.

Dy CME/IT & TTC

To,

PROFORMA

Annexure-II

APO/Staff,
MCF/RBL.

Sub: Application for Appearing in the written examination for selection to the post of JE/Workshop/Mechanical, in Pay Matrix Leve-6 (G.P.-4200/-) against 25% Intermediate Apprentice Quota.

Ref :- Notification No. E/NG-III/MCF/RBL/JE/WS/MECH/25%LDCE dated 07.08.2021

1. Name :
2. Emp. No. :
3. Present Designation & Trade :
4. Date of Appointment in Present Grade/Post :
5. Pay Matrix Level :
6. Mobile No. :
7. Date of Birth :
8. Age on D. O. Notification : _____ years _____ months _____ days
9. Date of appointment and Designation on 1st Appointment :
10. Date of appointment/Promotion in Tech-III, Level-2 (GP-1900/-) in Mechanical Cadre :
11. Total Length of Service in Tech-III & above in Mechanical Cadre : _____ years _____ months _____ days
12. Educational/Technical Qualification (Attached proof thereof) :
13. Whether the employee belongs (UR/OBC/SC/ST) :
14. Working Under (Section/Shop & Officer) :

I hereby declare that the particulars furnished by me are true and correct to the best of my knowledge. If the above information given by me is found to be wrong/incorrect, then my candidature is liable to be cancelled and D&AR action can be taken against me.

Date:

Place:

SIGNATURE OF THE EMPLOYEE

FORWARDED BY THE CONTROLLING OFFICER

Date:

Place:


Signature of the forwarding officer
with designation and date

FOR OFFICIAL (P. BRANCH) USE ONLY

The details of the service particulars including the educational qualification/service particular have been verified with the Service Records and found correct.

Signature of the Concerned Dealer of
P. Branch With designation and date

Ch.OS/Establishment.


07.08.21
APO/STW