



Modern Coach Factory, Raebareli

Office of the
General Manager (P)

No. E/MCF/RBL/Prom/LAB SUPDT./MED.

Dated 22.09.2021

NOTIFICATION

Sub: Selection for the post of Lab Superintendent, in Pay Matrix, Level-6 (G.P-4200/- in 6th CPC) against 100% (PQ) Promotional Quota in Medical Department.

- Ref: i) Railway Board's L. No. E(NG)II/2001/RR-1/20 dated 05.08.2013(RBE 79/2013)
ii) Railway Board's L. No. E(NG)I-2005/PM1/52 dated 22.08.2006 (RBE 117/2006}
iii) Railway Board's L. No. E(NG)I-2011/PM1/26 dated 06.02.2014 (RBE 17/2014)
iv) Railway Board's L. No. E(NG)I-2018/PM1/4 dated 14.12.2018 (RBE No.196/2018),
v) Railway Board's L. No. E(NG)I-2018/PM1/4 dated 14.06.2019 (RBE No.97/2019),
vi) Railway Board's L. No. E(NG)I-2018/PM1/4 dated 14.11.2019 (RBE No. 194/2019)
vii) Railway Board's L. No. 88-E(SCT)I/42/2 dated 08.04.1991(RBE 71/91),
viii) Railway Board's L. No. E(NG)I-75-PMI-44 dated 31.05.1982
ix) Master Circular 31 & Para 165 of IREM Vol-1

It has been decided by the competent authority to hold the selection for the post of Lab Superintendent in pay Matrix level-6 of 7th CPC (GP-4200) against 100% (PQ) Promotion Quota to form a panel of eligible candidates. Accordingly options are invited from eligible willing candidates of Medical department, MCF/RBL who fulfill the following terms and conditions:

Total No. of Posts : 01 (UR=01, SC=00, ST=00)

Eligibility Criteria & Prescribed Qualification

1. Serving staff in the Medical Department fulfilling the qualification prescribed for direct recruitment i.e. "B.Sc with Bio-Chemistry/Micro Biology/Life Science or Equivalent plus Diploma in Medical Lab Tech (DMLT) or equivalent from recognized Institution" or B. Sc. in Medical Technology (Laboratory) from recognized university, with two years regular service in relevant grade are eligible for being considered for promotion as Lab Supdt. Level-06 by a duly constituted Selection Board in accordance with the prescribed procedure.
{Authority : Rly. Board L. No. E(NG)II/2001/RR-1/20 dated 05.08.2013(RBE 79/2013) & Para 165 (4) (ii) (a) of IREM Vol-I}
2. The staff working as Lab. Technician/Assistant Chemist in Level-05 and possessing the qualification of Matriculation with Science plus Diploma in Medical lab. Technology (DMLT) with five years regular service in grade will also be eligible for promotion by selection; the professional Competence being assessed by a trade test at the time of selection.
{Authority : Para 165 (4) (ii) (b) of IREM Vol-I}
3. Person in service as on 01.08.98, with the then existing qualification of Matriculation with Science plus Diploma in Laboratory Technician's course and five years service as Lab Technician/Asstt. Chemist in Level-05, will also continue to be eligible for promotion by selection as Lab Supdt. Level-06.
{Authority : Para 165 (4) (ii) of IREM Vol-I}
4. 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 00.09.2021
{Authority : Rly. Board L. No. E(NG)I-2005/PM1/52 dated 22.08.2006 (RBE 117/2006)}

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APO/Staff

Mode of Selection and Qualifying Marks

5. Above Selection will comprise written examination followed by scrutiny of service record and APARs of the candidates who will qualify in the written test. The employees must secure 60% of marks in professional ability as well as in the aggregate. There is no reserve post for SC/ST, so no relaxation in qualifying marks, for candidates belonging to SC/ST community. They have to obtain minimum of 60% in written test and 60% in aggregate on par with UR employees. **The panel will be formed strictly in order of merit.**

(Authority : Rly. Board L. No. E(NG)I-2011/PM1/26 dated 06.02.2014 (RBE 17/2014) & Para 8 of Master Circular 31)

Procedure for written examination:

6. 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:

7. 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.

Syllabus:

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

Last Date for Submission of Application:

9. Last date for submission of application is **16.10.2021**
10. Eligible employees can send their application in the attached format as Annexure-II by 16.10.2021 to participate in the above selection. Incomplete applications will be rejected without any notice and no representation shall be entertained in this regard.
11. 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. **16.10.2021** 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:

12. 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.**

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A.P.O. Staff

Other :

13. The Incharges/Controlling Officer are requested to send the application through proper channel to undersigned **on or before 16.10.2021.**
14. This Notification is also available on MCF/RBL website **<https://mcf.indianrailways.gov.in/>**


(D. S. Meena) 22.09.21

DA: As Above.

**Assistant Personnel Officer/Staff
MCF, Raebareli**

Copy to:-

1. CMO/MCF/RBL.
2. Sr. DMO/MCF/RBL.
3. SPO/Gaz. : to upload in the website/Mobile APP of MCF/RBL
(**<https://mcf.indianrailways.gov.in/>**).
4. Cadre Dealer/Med. : He is advice to intimate those employees who are currently on deputation and maintaining lien at MCF for advancement.
5. All Notice Board of Main Admin, Mini Admin, Shop Floor & Hospital.
6. General Secy./SC/ST Association, General Secy./OBC Association/MCF/RBL.
7. CS&WLI, S&WLI/MCF/RBL.

आधुनिक रेल डिब्बा कारखाना रायबरेली

सं -एमसीएफ/अरबीएल /मेड/01
सहायक कार्मिक अधिकारी
आरेडिका, रायबरेली

कार्यालय
मुख्य चिकित्सा अधिकारी
दिनांक: 12.08.2021

विषय:- 100% चयन कोटा के तहत लैब अधीक्षक (वेतन लेवल-06) के पद पर पदोन्नति हेतु पाठ्यक्रम उपलब्ध कराने के संबंध में।

संदर्भ- आपका पत्रांक E/MCF//RBL/Prom/Lab Supdt./Med. दिनांक
22.07.2021

उपरोक्त संदर्भित पत्र द्वारा 100% चयन कोटा के तहत लैब अधीक्षक (वेतन लेवल-06) के पद पर पदोन्नति हेतु पाठ्यक्रम उपलब्ध कराने की मांग की गई थी। लैब अधीक्षक के पद पर पदोन्नति के लिए निर्धारित पाठ्यक्रम की प्रति मुख्य चिकित्सा अधिकारी द्वारा सत्यापित करा कर इस पत्र के साथ संलग्न कर आपके पास अग्रिम कार्यवाही हेतु भेजी जा रही है।

संलग्नक- यथोक्त

कृते मुख्य चिकित्सा अधिकारी 12/8/2021
आधुनिक रेल डिब्बा कारखाना, रायबरेली

सं. 797-ई/उमरे/स्था./मेडि./लैब अधी. लेवल-06/पदोन्नति

प्रमुख मुख्य चिकित्सा निदेशक/उमरे/प्रयागराज।

मंडल रेल प्रबंधक, प्रयागराज, झांसी एवं आगरा।

अपर मुख्य चिकित्सा निदेशक/उमरे/प्रयागराज।

मुख्य चिकित्सा अधीक्षक/उमरे, प्रयागराज, झांसी, आगरा एवं कानपुर।

सूचना

उत्तर मध्य रेलवे/मुख्यालय नियंत्रित चिकित्सा विभाग के लैब अधीक्षक, वेतनमान पीबी-2, 9300-34800/- ग्रेड वेतन रु. 4200/- (लेवल-06) के पदों को भरने हेतु इस कार्यालय के समसंख्यक पत्र दिनांक 22.10.2020 द्वारा अधिसूचना जारी की गयी थी।

उक्त अधिसूचना के अनुक्रम में लैब अधीक्षक, लेवल-06 के पदों के चयन हेतु पाठ्यक्रम (Syllabus) संलग्न कर भेजा जा रहा है। कृपया इस सूचना का कर्मचारियों के बीच व्यापक प्रचार करें।

उक्त अधिसूचना एवं पाठ्यक्रम (Syllabus) उत्तर मध्य रेलवे की वेबसाइट पर निम्न लिंक पर देखी जा सकती है-

<https://ncr.indianrailways.gov.in/> -- About Us - Departments - Personnel - Notification

संलग्नक: यथोक्त।

ब्रजेश चतुर्वेदी

(ब्रजेश कुमार चतुर्वेदी)

वरिष्ठ कार्मिक अधिकारी/आई.आर.
कृते प्रधान मुख्य कार्मिक अधिकारी

प्रतिलिपि: कृपया सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

1. निजी सचिव/प्रधान मुख्य कार्मिक अधिकारी/उमरे, प्रयागराज।
2. वरिष्ठ उप महाप्रबंधक/उमरे, प्रयागराज।
3. उप मुख्य कार्मिक अधिकारी/मुख्यालय/उमरे, प्रयागराज।
4. सचिव, एनसीआरएमयू/एनसीआरईएस/उमरे, प्रयागराज।
5. जोनल अध्यक्ष, एससी एवं एसटी एसोसिएशन/उमरे, प्रयागराज।
6. जोनल अध्यक्ष, ओबीसी एसोसिएशन/उमरे, प्रयागराज।
7. कार्यालय अधीक्षक/सामान्य को कार्मिक शाखा के नोटिस बोर्ड पर चस्पा करने हेतु।

GRS 110

Sy Syllabus

Ansari

मुख्य चिकित्सा अधिकारी
Chief Medical Officer
Modern Coach Factory Raebareilly
अधीक्षक रेल चिकित्सा कारखाना राबारेय

Guidelines for the selection examination of Laboratory Superintendent on N.C. Rly.

1. Quality control.
2. Bio medical Waste Management.
3. Sterilization.
4. Handling of Laboratory Instruments, machines & equipments; care & maintenance (Centrifuge, Incubator, Colorimeter, Waterbath, Microscope, Refrigerator, Autoclave, Hot air oven etc.)
5. Cleaning of glassware & other equipments.
6. Selection of needle & syringe, use of needle burner, Disposal of syringes.
7. Storage of Stock Reagents, Working Reagents.
8. Routine Sample Collection Procedure-
9. Use of Anticoagulant.
10. Serum Separation.
11. Storage of samples before performing tests.
12. Stains used in routine Laboratory procedure- Leishmen, Gram, Cresyle blue, Zeil-Nelson, Albert, Papinocolo stain, JSB stain, Haematoxylin & Eosin etc.
13. Routine Hematology-
Hemocytometer- RBC Count, WBC Count, Differential Leukocyte count, Reticulocyte count, Platelet count, Absolute Eosinophil count, Hemoglobin estimation- different procedure, ESR, Routine Blood Grouping procedure, Bleeding Time & Clotting Time. Normal ranges of all parameters. Preparation of Blood Film (peripheral blood smear, Thick & thin film for parasite & Staining Storing of blood film.
14. Special Hematology- Red cell & its indices (calcuiation & normal ranges), Bone Marrow preparation & staining.
15. Examination of Urine- Sample collection for routine & culture & sensitivity test. Storage of sample if examination is delayed. Routine procedure of testing- Specific gravity, Sugar, Protein, 24 hrs protein, Bence jones protein, Acetone, Ketone body, Blood in urine, Haemoglobinurea, Bile salt, Bile pigment, Urobilinogen, Microscopical examination of urine, cast, Crystals, etc.
16. Examination of Stool- Microscopical examination. Occult blood. Detection of Ova, Cyst & Parasite Concentration method; Floatation method Morphology of Ova, Cyst & Parasite. Culture & sensitivity. Transport media for Vibrio Cholerae.
17. Examination of Semen- Sample collection, Time taken for Liquefaction. Physical Examination, Morphology of Sperm. Abnormal morphology. Total count, Identification of motile, no motile & sluggishly motile sperm.(normal range). Interpretation of findings.
18. Examination of Sputum- Sample collection. Examination of unstained slide under Microscope. Examination of Stained slide under Microscope. Gram stain; Zeil Nelsion Stain. Concentration method for staining of Sputum for Tuberculosis. Culture & Sensitivity.
19. Cavity Fluid-
Physical examination, Chemical examination for sugar & protein
Cytology- Total cellular count, Differential count.
Staining for presence of abnormal cell. Gram Stain for Bacteriological examination
Culture & Sensitivity.
20. CSF-
Physical examination.- Colour , Turbidity, Coagula
Total count, Differential count
Chemical Examination. (Glucose, Sugar, Chloride, Protein)

Biochemistry & Enzyme

- Estimation of Sugar. (Blood, Body Fluid, CSF)
- Protein Estimation (Serum, Body Fluid, CSF)
- Kidney Function Test- Estimation of Urea, Creatinine, BUN, Electrolyte
- Liver Function Test- Serum Bilirubin & its fraction, SGOT, SGPT, Alkaline Phosphatase
- Gamma GT, Prothrombin time
- Lipid Profile- Serum Cholesterol, Triglycerides, HDL Cholesterol, LDL, VLDL.
- Cardiac Enzyme- CK-, CKMB, Troponin, LDH.
- Pancreatic Enzyme- Serum Amylase, Serum Lipase
- 22. **Electrolyte-** Sodium, Potassium, Chloride, Calcium, Magnesium, Phosphate
- 23. Estimation of uric Acid (Normal range of all parameters)
- 24. **Serology-** Widal Test, Anti-Streptolysin O, C Reactive Protein, Rheumatoid Factor, VDRL, Serological Test for Malaria, Hepatitis B-Surface Antigen, HIV Antibody I & II, HCV, Urine Test for Human Chorionic Gonadotrophin Hormone (HCG test for Pregnancy).

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ELISA READER

Principle of ELISA Testing.

25. Microbiology-

- Sterile Procedure of sample collection for Culture & Sensitivity Test.
- Preparation of Culture Media (Basic Media) for Routine use.
- Inoculation of sample- plating.
- Optimum temperature for growth.
- Atmosphere- Aerobic or anaerobic growth.
- Different Types of Media- Selective media, Indicator Media, Enrichment Media
- Identification of Microorganism- Colony Character, Morphology, Biochemical test
- Staining- Gram stain, Ziehl Neelson Stain, Albert's stain for Coryn bact. Diphtheria.
- Disposal of Culture plate & other materials as per bio Medical waste Disposal Guideline.

For Fungus Detection-

- Sample- Scraping of skin & nails
- Plucked hair from infected area.
- Examination under Microscope in NaOH or KOH solution
- Morphology of Hyphae & Spore.
- Culture for fungal growth (in Sabouraud's media)

26. Blood Banking-

- Screening of Donor
- Estimation of Hemoglobin-
- RBC serology- ABO & Rh Grouping-Forward (cell) grouping, Reverse (Serum) Grouping,
- Detection of Atypical Antibody.
- Cross Matching (Compatibility) of Donor's & Recipient's Blood- Major & Minor cross
- Matching by Saline, Enzyme & Coomb's Cross Matching.

27. Quality Control-

- Quality Assurance
- Variation of value of test result-
- Identification of error -
 1. Error of record-
 2. Error in performing test procedure.
 3. Error in equipments

Consistent error or Random error, Rectification of error, Regular calibration of equipment's & machines, Working Temperature.

Quality Control of Reagents-

Physical appearance, storage temperature, precaution to prevent contamination of reagents,

Regular use of standard/ reference value

Sample collection, serum separation, preservation of sample before performing test,

Documentation

28. Rajbhasa

English Language, General Knowledge

Pass Rules

D&A Rules

Leave Rules

Simple Mathematics

29. For Lab Supdt Grade I (Chief Lab. Suptd)

In Addition to above- Preparation of Indent

Stock & Record Maintenance

Supervision of Laboratory work management including documentation

Work distribution amongst the under staff.

P. U.
10.12.2022
ACMD/TA

PROFORMA

To,

APO/Staff,
MCF/RBL.

Sub: Application for Appearing in the written examination for selection to the post of Lab Supdt., in Pay Matrix Leve-6 (G.P.-4200/- in 6th CPC) against 100% Promotion Quota.

Ref :- Notification No. E/MCF/RBL/Prom/LAB SUPDT./MED. dated 22.09.2021

1. Name :
2. Emp. No. :
3. Present Designation :
4. Date of Appointment in Present Grade/Post :
5. Pay Matrix Level :
6. Mobile No. :
7. Date of Birth :
8. Date of appointment and Designation on 1st Appointment :
9. Total Length of Service in Present Post/Grade : _____ years _____ months _____ days
10. Educational Qualification (Attached proof thereof) :
11. Whether the employee belongs (UR/OBC/SC/ST) :

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.


22.09.21
A-PO/Staff