

Eastern Railway

No.E 367/2/MD/Lab-Cadre/Seniority & Selection/Pt.I

Kolkata, the 24th April, 2026

DRM/E.Rly/SDAH/HWH/ASN/MLDT
CWM/LLH/KPA/JMP

Sub: Formation of a panel for 12 posts of Lab Supdt. in Level-6 in Medical Department of Eastern Railway.

To form a departmental panel for the post of Lab Supdt. in Level -6 of the Medical Department /E.Rly(against 100% promotional quota) from employees of Medical Department of Eastern Railway , it is proposed to hold a Departmental Selection comprising of written test of objective type and scrutiny of S/R & APAR. The examination may be held shortly and no supplementary test will be held and the final date of examination will be circulated in due course.

Total Vacancies to be filled up – UR-09, SC-02 & ST-01
[1(one)PwBD vacancy earmarked for HI (D,HH)]

Eligibility condition:-

Gr.C staff (including Level-1) of Medical Department of Eastern Railway fulfilling any of the following eligibility criteria /educational qualifications.

- (a) Serving staff in the Medical Department fulfilling the qualification of B.Sc with Bio-Chemistry/Micro Biology/Life Science or equivalent plus Diploma in Medical Lab Technology(DMLT) or equivalent or B.Sc in Medical Technology(Laboratory) from recognized Institutions, with two years regular service are eligible for being considered for promotion as Lab Supdt. Level-06 by a duly constituted Selection Board in accordance with the prescribed procedure.
- (b) The staff working as Lab. Technician /Assistant Chemist in L-5 and possessing the qualification of Matriculation with Science plus Diploma in Medical Lab. Technology (DMLT) with 05 years service in grade.
- (c) Persons in service as on 01/08/98 with the then existing qualification of Matriculation with Science plus Diploma in Laboratory Technician's course and 05 years service as Lab. Technician /Assistant Chemist in Level-5.
- (d) Employees working as Lab. Technician /Assistant Chemist in Level-5 alongwith Lab Asstt. Gr.II/ Lab Asstt. Gr.I as on 01.08.98, recruited with the qualification of Metric with Science with or without one year's experience in pathological or bio-chemical laboratory and have been imparted 24 weeks training as per procedure laid down in RBE No. 34/2011 circulated under this office Sl. No.31/2011.

The selection will be done by the duly constituted Selection Board in accordance with the prescribed procedure laid down for the above selection. For employees refer to (b) above, their Professional Competence will be assessed by a trade test at the time of selection.

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The cut off date for determining the eligibility of staff viz service condition and educational qualification is the date of issue of this office notification.

Mode of Selection – Selection will be made on the basis of competitive examination consisting of objective type and of multiple choice through Computer Based Test (CBT) mode with 100 questions +10 questions on Rajbhasha. Overall 100 questions to be attempted. Questions on Rajbhasha are optional. There shall be no negative marking for incorrect answers. The competitive examination will continue for 2 hours duration . **Modal question Paper is uploaded in the Eastern Railway website.** The panel will be prepared on the basis of seniority of the selected candidates. Qualifying marks for written test 60% for UR and 50% for SC/ST. 'Best Amongst the failure scheme' will be applicable for SC/ST candidates who will secure marks less than 50% but more than 20%.

Syllabus for the above exam. is attached for ready reference(Annexure -I).

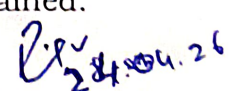
All staff section of Departments/Units should carefully check up the eligibility of the optees for the post of Lab Supdt. in Level-6 keeping in view of the instructions . A certificate may please be endorsed in the remarks column stating clearly that the staff concerned strictly fulfill all conditions and eligibility.

Applications with the following deficiencies will be summarily rejected:-

- a) Incomplete applications
- b) Unsigned applications
- c) Application signed in Capital letters
- d) Applications not forwarded through controlling Supervisory Officials & without signature
- e) In case a candidate who does not fulfill the terms & conditions stipulated above.

Mobile phone in the examination hall is strictly prohibited, if any candidate is found in possession of Mobile phone in the examination hall, his/her candidature will be cancelled straight way.

You are, therefore, requested to invite option from among the eligible staff attached to your departments/unit within **08.05.2026** and their applications in the prescribed proforma in duplicate (Annexure 'B') should be sent to this office by **15.05.2026** positively through special messenger. No application after the target date will be entertained.


(MD. Tarique)

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

Copy to : 1. PCMD/ER/Kol 2.MD/BRSH/SDAH
3.CMS/E.Rly/HWH/ASN/MLDT/KPA/LLH/JMP

(MD.Tarique)
Dy.Chief Personnel Officer(HQ)
for Principal Chief Personnel Officer

Syllabus for the Selection of Lab Supdt. in L-6

1. Quality Control
2. Bio medical waste Management
3. Sterilization
4. Handling of Laboratory Instruments , machines & equipments , care & maintenance (Centrifuge, Incubator, Colorimeter, water bath, 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 , Papinoculo stain, JSB stain , Haematoxylin & Eosin etc.
13. Routine Hematology –
Memocytometer – 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 (calculation & 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, Microscopic examination of urine, cast, Crystals, etc.
16. Examination of Stool – Microscopical examination, Occult blood, Detection 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 finding.
18. Examination of Sputum – Sample collection, Examination of unstained slide under Microscope, Examination of Stained slide under Microscope. Gram Stain, Zeil Nelson 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, Caogula
Total count, Differential count
Chemical Examination (Glucose, Sugar, Chloride, Protein)
21. Biochemistry & Enzyme
Estimation of Sugar (Blood, Body , Fluid (SF)
Protein Estimation (Serum, Body, Fluid (SF)
Kidney Function Test – Estimation of Urea, Creatinine, BUN , Flectrolyte
Liver Function Test – Serum Bilirubin & its function, SGOT, SGPT,
Alkaline Phosphatase , Gamma GI, Prothombin time.
Lipid Profile – Serum Cholesterol, Triglycerides, HDL, Cholesterol, LDI,
VLDI Cardiac Enzyme – CK, CKMB, Troponin, LDH
Pancreatic Enzyme – Serum Amylase, Serum Lipase
22. Electrolyte – Sodium, Potassium, Chloride, Calcium, Magnesium,
Phospate
23. Estimation of uric Acid (Normal range of all parameters)
24. Serology – Widal Test, Anti-Streptolysin O, C Reactive Protine, Rheumatoid Factor, VDRI,
Serological Test for Malaria, Hepatitis B – Surface Antigen, HIV Antibody I & II, HCV, Urin Test
for Human Chorionic Gonadotrophin Hormone (HCG test for Pregnancy)
Kala-A zar
ELISA READER
Principle of ELIZA 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 Mircro organism – Colony Character, Morphology, Biochemical test
Staining – Gram stain, Ziel Neelson Stain, Albert's stain for Coryn bact, Diptheria.
Disposal of Culture plate & other materials as per bio Medical waste Disposal Guide
- For Fungus Detection –
Sample – Scraping of skin & nails
Plucked hair from infected area.
Examination under microscope in HaOH 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.

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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. Supdt)

In addition to above - Preparation of Indent

Stock & Record Maintenance

Supervision of Laboratory work management including documentation

Work distribution amongst the under staff

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ANNEXURE-II

APPLICATION FOR THE POST OF LAB SUPDT. IN LEVEL-6 AGAINST 100% PROMOTIONAL QUOTA IN MEDICAL DEPARTMENT/ER

P R O F O R M A

1	Full Name	
2	Designation	
3	Present Level	
4	HRMS ID	
5	Place Where Working	
6	Date of birth	
7	Date of appointment	
8	Date of promotion	
9	Total regular period of service alongwith grade	
10	Educational qualification	
11	Experience, if any	
12	Community(UR/SC/ST)	
13	Email ID & Mob. No.	

14. Declaration

I, Sri.....Designation..... station.....solemnly declare that to the best of knowledge and belief, the information given in this proforma (Annexure-II) are correct and true . I also declare that my candidature will be treated as cancelled if any discrepancy is found.

Date. _____

Signature of the Candidate

Photo duly
attested by
Gazetted
Officer

Signature of the Controlling Officer with seal

Forwarded

PROFORMA

List of Staff who have applied for consideration in the Departmental Selection for filling up post of Lab Supdt. in L-6 against promotional quota in Medical Department /ER

Sl. No	Name , Designation & Station	Community	Level (Subs.)	D.O.B	D.O.A	Date of promotion	Educational qualification	Remarks
1	2	3	4	5	6	7	8	9