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**NORTHERN RAILWAY
(Delhi DIVISION)**

No. 293-E/467/TECH-III/LDCE/P6

Dt. 11.08.2025

NOTIFICATION NO.25/2025/(Delhi division)

**SELECTION FOR PROMOTION TO THE POST OF TECH-III/SIG IN PAY LEVEL-II
AGAINST 25% LDCE QUOTA IN S&T DEPARTMENT OF DELHI DIVISION**

1. It has been decided to hold a selection for filling up 43 vacancies for the post of Tech-III/SIG, Pay Level - II against 25% LDCE Quota in S&T Department of Delhi Division.

Bifurcation of vacancies is as under:

UR	SC	ST	Total	PwBD (in terms of Railway Board's letter no. E(NG)II/2017/RC-2/1 Policy dt. 27.02.2019)
34	06	03	43	—

2. Eligibility and Service conditions:-

2.1 Education Qualification, if any:-

- a. 10th (Matriculation) from the recognized board of education or,
- b. ITI/Course completed Act Apprentice/Apprenticeship (NCVT/SCVT passed) in specified trades (Electronic/Electrical Fitter/Wireman) or
- c. Class 12th (10+2) passed with Physics and Mathematics subject in Higher Secondary and having at least 3 years regular service subjected to an upper age limit of 45 years (relatable by 5 yrs. in case of SC/ST). A prescribed initial training of 52 weeks is required to be passed.

2.2 Bee-one Medical classification is mandatory for the post of Tech-III/SIG. Those who qualify in the written examination will be subjected to Medical Examination for fitness in the requisite medical qualification.

2.3 Serving Assistant/Signal (erstwhile Helpers) in S&T Department. Further, they should have completed minimum 03 years continuous regular service in Rly.

The cut-off date for determining the eligibility of the employees will be the date of issue of notification (RBE - 117/2006).

There shall be pre-selection coaching to the eligible candidates, in terms of Railway Board and HQ policies.

There shall be promotional training for selected employees at common Training center for the post as approved by the concerned B.O. Their selection shall be subject to passing of the training course.

3. **Syllabus:** A syllabus for the above selection is attached as **Annexure-A**. This is a common syllabus for the post as approved by the concerned PHOD which was circulated by Headquarter office vide PS No- 16044/25 and is applicable for all Divisions/Units over Northern Railway.

4. Procedure for written examination:


11.8.25

- (i) The written examination will be conducted by Railway Recruitment Cell (RRC), Northern Railway through an Examination Conducting Agency to be provided by Railway Recruitment Board (RRB).
- (ii) The written examination will be a Computer Based Test (CBT)/ Tablet Based Test (TBT) where there will be no physical question paper. All the questions will appear on the computer/tablet and the employee will have to mark their responses/answers to the questions on computer/tablet.
- (iii) RRC/NR will be issuing a formal admit card **online (through the website <https://rrcnr.org>)** to each and every eligible and willing employee for appearing in the CBT/TBT. Examination Venue and time of reporting for the written examination will be there in the admit card. **As no physical communication will be made after issue of this vacancy notice, it will be the responsibility of the concerned employees to regularly visit RRC/NR's website as well as this Division's website for an update and to download the admit card as and when made available by RRC. Further, no supplementary/absentee examination shall be conducted on this ground.**
- (iv) A link will also be available on the above website (<https://rrcnr.org>) to the employees, explaining as to how the question will be appearing and how to mark the responses/answers in the actual examination. Employees can practice through that link any number of times.
- (v) Both physical and biometric attendance will be marked at the examination venue.
- (vi) 100% questions will be objective type multiple choice questions.
- (vii) In terms of Railway board letter No.E(NG) 1/2018/PM 1/4 dated 14.11.2019 (RBE 194/2019) there will be negative marking @ 1/3 mark for a wrong answer for LDCE Selection where panel is arranged in the order of merit from those qualified.
- (viii) There shall be questions in Official Language Policy and Rules up to 10% of marks. However, it is not mandatory to attend the same.
- (ix) There will be 110 questions of objective multiple choice type with four answer options and the candidate has to answer a maximum of 100 questions. In case the candidate answers more than 100 questions, first 100 attempted questions are to be taken for evaluation.
- (x) **The written examination will be of 02 (two) hours duration.**
- (xi) There will be computerized evaluation.
- (xii) There will be no Supplementary written examination, being an LDCE selection.

5. Notifying to the employees:

5.1. The willing employees should submit their application (Hard copy or soft copy as required) in the prescribed proforma enclosed (Annexure-1) duly filled in all respects on or before 26.08.2025.

5.2. Applications (Hard copy or soft copy as required) received in this office after the target date will be summarily rejected. The notification should be given wide publicity and employees who are on leave/sick leave should be notified of the selection.

5.3 The Senior Subordinate/Supervisor concerned has to furnish a certificate that "the eligible employees have been duly notified of the holding of the written examination and asked to submit their applications duly giving their willingness. They have also been informed about availability of any further information on RRC/NR's website (<https://rrcnr.org>) regarding availability of admit card and link for demo test." Such certificates should be forwarded to Personnel Branch addressed to Sr. DPO/Delhi Division on or before 26.08.2025. It will be the personal responsibility of the Senior Subordinate/Supervisor to complete the formality in this respect. It is further advised that any other


11.8.25

communication received in respect to the selection should invariably be intimated to all the eligible employees. In case of non-receipt of any communication the same may be obtained from the Personnel Department or from the Controlling Officer. **Any laxity in this regard will be viewed seriously as it will adversely impact the above selection which is being conducted simultaneously for all Divisions/Units over Northern Railway.**

6. Tentative schedule for holding the selection:

Activity number	Details of activity	Tentative date (mention specific date wherever confirmed)
PART-A		
1	Issue of notification	11.08.2025
2	Last date of receiving of application on or before	26.08.2025
3	Issue of eligibility list	08.09.2025
4	Representation, if any on or before	11.09.2025
5	Finalization of list of eligible candidates on or before.	16.09.2025
6	Conclude of Pre-Selection coaching	To be concluded by 09.10.2025
7	Submission of certificate by concerned department	On the next date as soon as pre-coaching selection completed
8	Ready for computer based test held on or before	21.10.2025
PART-B		
9	Online issue of admit card & providing link for practice	E (the day when the admit card will be issued)
10	Conduct of written examination	E+3
11	Uploading of model answer key and activating objection tracker	E+4
12	Objection tracker will be available upto	E+11
13	Uploading of final answer key	E+14
14	Availability of result of written examination from RRC/NR to the indenting units	E+16
15	Finalizing proceedings of Selection Board/ Committee at Divisional/Unit level	E+19
16	Issue of panel	E+20



8. Websites to be visited regularly for any update:

RRC/NR's website:

<https://rrcnr.org>

Delhi Division/Unit's website: nr.indianrailways.gov.in → Division--> Delhi→ Personnel.

DA: as above


11.8.2025
Asstt. Personnel Officer/DLI
For Divisional Railway Manager (P)
Delhi Division


Circulation:

As per standard list

Sr. DSTE/C/Delhi Division

All DSTE and ASTE.

All CS&WLs/Delhi Division: To handover a copy of this Notification to the concerned senior supervisors i.e. all SSE/Sig under written acknowledgement

Ch. OS/OS, Confidential Cell, DELHI Division

Divisional Secretary/ NRMU, URMU, SCSTREA & OBCREA

Control Office, Delhi Division

RRC/NR's website (<https://rrcnr.org>)

Sr.PRO/Delhi Division's to upload the website- nr.indianrailways.gov.in → Division-->

Delhi→ Personnel

APPLICATION FOR THE POST OF TECH-III/SIG (POST) IN PAY MATRIX LEVEL- (II)
OF 7TH CPC PAY MATRIX (GP-RS.1900/- OF 6TH CPC) AGAINST 25% (IO QUOTA) IN
DELHI DIVISION

1. Name :
2. Father's Name:
3. PF No.:
4. HRMS ID :
5. Mobile No:
6. Email Id:
7. Designation :
8. Office :
9. Community (tick appropriate)

UR SC ST PWD

(If SC/ST copy of attested community certificate should be attached)

10. Date of Birth :
11. Date of Appointment :
12. Date of Regular Appointment :
13. Date of entry in present Grade/Post :
14. Capacity of Appointment :
15. Present Pay in Pay matrix :
16. Date of Total regular service in the Grade as per Eligibility Criteria :
17. Transfer Particulars if any from other Department or from other Division, if any :
18. Education Qualification :

(Copy of attested certificates should be attached)

Declaration

12/11/28

I hereby declare that all the particulars given in this application are true and correct to the best of my knowledge and belief. I am eligible for the selection as per eligibility criteria stipulated in the notification. I understand that in the event of particulars or information given herein being found false or incorrect at a later stage, I am liable to be taken up under D&AR for major penalty apart from my application being rejected.

Date

Signature

Name

Place

Designation

Certified and forwarded to

Date

Signature of supervisory official

Name

Place

Designation

NORTHERN RAILWAY

Headquarters Office,
Baroda House,
New Delhi.

P.S.No.16044/2025

No. 752-E/Policy/S&T/2024/EIIBII

Dated:- 08.08.2025

DRM/NR-DLI, FZR, LKO, MB, UMB & JAT
CAO/C, K.Gate/DLI, CAO/C USBRL/Satyam Complex, TrikutaNgr/JAT.
CWM/CB-LKO, JUDW, AMV-LKO & ASR, CWM/Signal Shop/GZB.
Dy. CMM/SSB, AMV-LKO & JUDW
DY.CE/TMC/Line, State Entry Road, New Delhi.
Chief Manager (Ptg. & Sty) Punjabi Bagh, Delhi.
Dy.CE/Bridge, CB-LKO, JUC & TKJ.

Sub: Syllabus for Selection for the post of Tech-III/ESM.

Ref: (i) PCPO's letter No. PCPO/Sel./2025 dated 14.05.2025.

(ii) CSE/East/NR letter's no.570-E/5/Misc/Pt-XI(NG Staff) (E-10124) dated: 07.08.2025

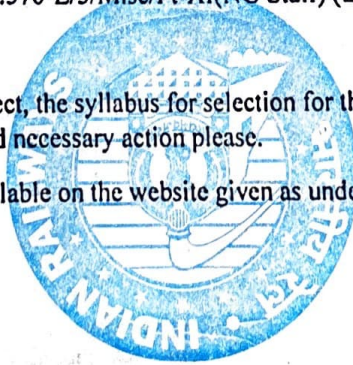
In reference to above subject, the syllabus for selection for the post of Tech-III/ESM, is enclosed herewith for your information and necessary action please.


The above PS.No. is available on the website given as under:-<https://nr.indianrailways.gov.in>

Hindi Version will follow.

Please acknowledge the receipt.

DA/as above




(Udot Jha)
For General Manager (P)

Copy to:-

1. All PHODs and All Officers of Personnel Deptt., HQ Office, Baroda House, New Delhi.
2. Genl. Secy./NRMU, 12 Chelmsford Road, New Delhi.
3. Genl. Secy./URMU, 166/2, P.K.Road, New Delhi.
4. Genl. Secy./AIOBC Rly Emp. Asso. 171/A3, Basant Lane, New Delhi.
5. Zonal. Secy. All India SC/ST Rly Emp. Asso. North Zone Office, Baroda House, New Delhi.
6. Genl. Secy. NRPOA Room No.301, HQ Office, Baroda House, New Delhi.
7. Dy.CPO/IT, HQs Office, Baroda House, NDLS for uploading on the website.

Syllabus for Selection for Group-C Post for Tech-III/Sig

ग्रुप-सी की तकनिशियन-III/सिग पोस्ट के चयन के लिए पाठ्यक्रम

SN	Contents/Topics	Marks Allotted
I	Signalling (सिग्नलिंग)	75
II	Codes & Manuals (कोड एण्ड मैनुअलस)	10
III	General (जनरल)	15

I. Signalling/सिग्नलिंग:

(Weightage of Marks- 75)

Section-A

(Weightage of Marks- 10)

1. Basic concept of Signalling
सिग्नलिंग की बेसिक अवधारणा।
2. Use Of Hand Measuring Instruments & Portable Tool
हाथ से मापने वाले उपकरणों और पोर्टेबल टूल का उपयोग
3. Basic Electricity & Magnetism
बेसिक इलेक्ट्रिसिटी और मेग्नेटिज्म
4. Principles of Interlocking.
इंटरलॉकिंग के सिद्धांत
5. Colour Light signal concepts
कलर लाइट सिग्नल की अवधारणा

Section-B

(Weightage of Marks- 20)

6. All type of Relays, Cables- 6 Quad OFC & Signalling Cables.
सभी प्रकार की रिले, केबल-6 क्वाड ऑफसी तथा सिग्नलिंग केबल।
7. Point Machines
पॉइंट मशीन।
8. Train Detection: DC Track Circuits, Axle Counters (SSDAC & MSDAC)
ट्रेन डिटेक्शन: डीसी ट्रैक सर्किट, एक्सल काउंटर (एसएसडीएसी तथा एमएसडीएसी)
9. Interlocked Level Crossing Gates- MLB, ELB & SLB.
इंटरलॉक्ड लेवल क्रॉसिंग गेट्स- एमएलबी, ईएलबी और एसएलबी।

Section-C

(Weightage of Marks- 20)

10. Block Working- Absolute block working- Double line Block Instrument (SGE), UFSBI, SSBPAC. Single line- IRS handle type token-less block instrument, UFSBI, SSBPAC, Automatic Block Working.
ब्लॉक वर्किंग- पूर्ण ब्लॉक वर्किंग- डबल लाइन ब्लॉक इंस्ट्रुमेंट (एसजीई), यूएफएसबीआई, एसएसबीपीएसी। सिंगल लाइन- आईआरएस हैंडल टाइप टोकन-लेस ब्लॉक इंस्ट्रुमेंट यूएफएसबीआई, एसएसबीपीएसी, ऑटोमैटिक ब्लॉक वर्किंग।
11. Power Supply Arrangements- Integrated Power Supply, Charger, ELD & Cell (Low Maintenance Lead Acid & VRLA).
पावर सप्लाई व्यवस्था- इंटीग्रेटेड पावर सप्लाई, चार्जर, ईएलडी और सेल (लो मेन्टेनेन्स लेड एसिड और वीआरएलए)।

12. Basics of Automatic Signalling & Intermediate Block Signalling
ऑटोमैटिक सिग्नलिंग और इंटरमीडिएट ब्लॉक सिग्नलिंग का बेसिक ज्ञान।

क. प्रमुख
Dy. Commr
08.08.2025

8/8/25
08.08.2025
Dy. Commr/HQ

8/8/25
8/8/25
8/8/25

13. Signalling in 25 KV in RE Area
25 केवी आरई एरिया में सिग्नलिंग।

Section-D

(Weightage of Marks- 15)

14. Relay Interlocking concepts - Metal to Carbon, Panel Interlocking and Route Relay Interlocking
रिले इंटरलॉकिंग अवधारणा - मेटल टू कार्बन, पैनल इंटरलॉकिंग और रूट रिले इंटरलॉकिंग।
15. Electronic Interlocking.
इलेक्ट्रॉनिक इंटरलॉकिंग
16. Data Logger.
डाटा लॉगर।
17. Earthing, Lightning and Surge protection arrangements
अर्थिंग, लाइटनिंग और सर्ज प्रोटेक्शन व्यवस्था।

Section-E

(Weightage of Marks- 10)

18. Train Protection System- Kavach
ट्रेन प्रोटेक्शन सिस्टम- कवच।
19. Basics of AFDAS, SMMS, FACS.
एफडीएस, एसएमएमएस, एफएसीएस का बेसिक।
20. Safety in Train Operations, Protection at site, Disaster Management.
ट्रेन ऑपरेशन में सेफ्टी, साइट पर प्रोटेक्शन, आपदा प्रबंधन।

II. Codes & Manuals/कोड और मैनुअल

(Weightage of Marks- 10)

1. Indian Railway Signal Engineering Manual.
भारतीय रेलवे सिग्नल इंजीनियरिंग मैनुअल।
2. Accident Manual
दुर्घटना मैनुअल।
3. G & SR.
जी एंड एसआर।
4. Block working Manual.
ब्लॉक वर्किंग मैनुअल।
5. Indian Railways Schedule of Dimensions.
इंडियन रेलवे शेड्यूल ऑफ डाइमेंशंस।

III. Railway General/रेलवे जनरल

(Weightage of Marks-15)

1. Basic Physics and Maths, General Knowledge, The Railway Services (Conduct) Rules- 1966, The Railway Servants (Discipline And Appeal) Rules- 1968, Establishment.
बेसिक फिजिक्स एंड बेसिक मैथ्स, जनरल नॉलेज, रेलवे सर्विस कोड, रेलवे सर्विस (कंडक्ट) रूल- 1966, रेलवे सर्वेंट (डी एंड एआर) रूल - 1968, स्थापना।
2. Knowledge of HRMS, HMIS, UMID, Basic Computer knowledge.
एचआरएमएस, एचएमआईएस, यूएमआईडी, कंप्यूटर का बेसिक ज्ञान।

सहायक प्रमुख
06.08.25

06.08.25 -
(Dy. C&T/HQ)

06/8/25
Principal/STC