

**SOUTHERN RAILWAY**

HeadquartersOffice
Personnel Branch
Chennai - 600003.
Date: as signed.

No. P(S)/608/IX/Inst.Sig.&Tele/Re-engagement

NOTIFICATION

Sub: Re-engagement of Retired non-gazetted Railway staff in exigencies of service – Signal & Telecom Dept – reg.

Ref: Railway Board's letter No.E(NG)II/2024/RC-4/9 dated 15.10.2024
(RBE No. 96/2024)

It is proposed to re-engage retired Railway staff for filling up of **02 post of Instructor/Signal/TC/PTJ & 01 Instructor / Tele/TC/PTJ** in Level-6 of Signal & Telecom Department. Applications are therefore invited from eligible retired Railway employees along with the relevant documents for re-engagement in the following post of Signal & Telecom Department.

Sl. No.	Name of the Post	No. to be engaged	Medical classification
1	Instructor/Signal/TC/PTJ in Level-6	02	Aye three
2	Instructor/Tele/TC/PTJ in Level-6	01	Aye three
	Total	03	

Eligibili

ty Criteria :

Sl.No	Name of the Post	Remarks
1	Instructor/Signal/TC/PTJ	Retired JE/Signal in Level-6 with two years of minimum service. Knowledge of computer, and knowledge in Hindi is desirable. Candidates must have thorough knowledge in the syllabus enclosed for selection to the post of Inst./Signal in level-6.
2	Instructor/Tele/TC/PTJ	Retired JE/Tele in Level-6 with two years of minimum service. Knowledge of computer, and knowledge in Hindi is desirable. Candidates must have thorough knowledge in the syllabus enclosed for selection to the post of Inst./Tele in level-6.

1. Eligibility Conditions :

- Retired non-gazetted staff should be medically fit in Aye three medical classification .
- The retired employee being considered for re-engagement should not have been covered under the Safety Related Retirement Scheme/Liberalised Active Retirement Scheme for Guaranteed Employment for Safety Staff (LARSGESS):
- Retired employees should not have been compulsorily retired / removed or dismissed from service.
- The applicant seeking re-engagement should have at least "Good" grading in the last 5 years APARs.

2. Age limit:

Maximum age limit for re-engagement is **65** years.

3. Remuneration :

- Remunerations, allowances and leave of re-engaged retired staff will be as per instructions issued from time to time in this regard.
- A fixed monthly amount shall be admissible as remuneration during the re-engagement period, arrived at by deducting the basic pension from the pay drawn at the time of retirement. The amount of remuneration so fixed shall remain unchanged for the term of the re-engagement.

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- c. No increment, Dearness Allowance and HRA will be allowed during the term of the re-engagement.
- d. An appropriate and fixed amount as Transport Allowance for the purpose of commuting between the residence and the place of work will be allowed not exceeding the rate applicable to the appointee at the time of retirement. The amount so fixed shall remain unchanged during the term of appointment. However, they may be allowed TA/DA on official tour, if any, as per their entitlement at the time of retirement.
- e. Paid leave of absence will be allowed at the rate of 1.5 days for each completed month of service. Accumulation of leave beyond a calendar year will not be allowed.

4 .General Instructions for submitting online application:

- i. The detailed notification can also be obtained from the official website www.sr.indianrailways.gov.in
- ii. The retired non-gazetted Railway staff willing to apply for the above re-engagement have to submit application **through online mode only**. Applications received from any other mode will be summarily rejected.
- iii. Willing retired non-gazetted Railway staff are advised to carefully read the entire instructions and information available on the official website of sr.railnet.gov.in and srhqpb.in, before filling up the online application.
- iv. **Applications should be submitted through online mode from 04.06.2025 to 04.07.2025 at <http://srhqpb.in>**
- v. The link (Re-engagement of Retired non-gazetted staff) for the web portal will be made available from 04.06.2025 in the Personnel Department website <https://srhqpb.in>
- vi. The applications received will be treated as "Invalid/Ineligible" on the following grounds;
(i) Unsigned application. (ii) Application without affixing latest photograph.
- vii. The list of supporting documents as detailed below should be kept in PDF format (to be attached along with the application) as applicable.
 - a. Copy of Service Certificate
 - b. Copy of Pension Payment Order
 - c. Copy of Last Pay Slip
 - d. Copy of Savings Account Pass Book and
 - e. Copies of last 5 years APAR.

5) Tenure:

- a. The Scheme of Re-engagement will remain in vogue for an initial period of 2 years or until further orders, whichever is earlier. Re-engagement period of an individual retired staff will be for a period of **one year** or till further orders, whichever is earlier. However, based on satisfactory performance of a re-engaged retired staff, his/her period of re-engagement may be further extended for a period of one year or till attainment of 65 years of age, whichever is earlier.
- b. Re-engaged staff will be discharged immediately on joining of selected regular employees.

Encl: Syllabus for Instructor Signal
& Instructor/Tele in L-6

Digitally Signed by

Anjanikumar C

Date: 23-05-2025 11:23:04

Reason: Approved

(C.Anjani Kumar)

Asst. Personnel Officer/ IR & Trg.
for Principal Chief Personnel Officer

Copy to: PCPO/MAS, CSE, CCE PFA/MAS,
Principal/TC/PTJ
Sr.DPO/ MAS, SA, TPJ, MDU, PGT & TVC
Sr. DRM/MAS, SA, TPJ, MDU, PGT & TVC
GS/SRMU, DREU, AISCTREA, AIOBCREA, NFIR

SYLLABUS FOR SELECTION TO THE POST OF INSTRUCTOR/SIGNAL/GRADE.II/S&T/TC/PTJ
(Pay Matrix Level 6 (Grade Pay ₹ 4,200) Pay Band ₹ 35400 – 112400)

1. Must be capable of expressing In English (both oral and written) satisfactorily knowledge of Hours of Employment Regulations and Simple establishment matters covering the field work of a Signal Inspector of a section and knowledge of organization and procedures relating to Stores and Accounts work. Accounts matters including material-at-site Accounts, completion report etc.
2. Must have adequate knowledge of all working rules, Manuals and procedures, including General and Subsidiary Rules, Block working Manuals, Accident Rules, Signal Engineering Manual Schedule of Dimensions, Rules for opening the Railways with particular reference to the field work of a Signal Inspector.
3. Must be capable of giving description and explanations of Electrical Key transmitters, Warning Bells, Telephones, Track Circuits, Axle counters of different type, Block Instruments including double line and Tokenless Instruments and their associated circuits should also be fully familiar with the installation maintenance and testing of these equipments.
4. Basic knowledge of Power Signalling circuits, Route holding, Back locking, Indication locking, Approach locking, Lamp proving, Route Indicators, Colour Light Signals, Impedance Bonds, Point Control, Detection circuits etc. and Maintenance and testing.
5. Should be well conversant with the functioning of various Signalling Equipments, their installation, maintenance and testing in RRI, Panel Interlocking & Electronic Interlocking.
6. Preparation and reading of simple yard layouts, Electrical Interlocking Circuits and Selection Circuits inter slotting circuits and maintenance and testing and basic knowledge of Mechanical Signalling (Single Wire/Double Wire) and Mechanical Interlocking.
7. Official Language

SUBSIDIARY INSTRUCTIONS:

The Question papers for the written test will consist of four parts as follows:

- i) Basic Mechanical Signalling / Interlocking (including Electro-Mechanical)
- ii) Electrical Signalling (including Route Relay Interlocking & Electronic Interlocking)
- iii) Block Signalling (including Automatic Block)
- iv) Rules and Regulations.

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for the selection to the post of
 [1] Chief Instructor/Tele. in pay band ₹ 9,300 – 34,800 with Grade Pay of
 ₹ 4600 & [2] Instructor/Tele. In pay band ₹ 9,300 – 34,800 with
 Grade Pay of ₹ 4200

1. TRAIN CONTROL COMMUNICATION

- Installation of Maintenance of S&T Test Room at Divisional Control Office.
- Function of test room at Control Office
- Types of Control Circuits and routine periodical test including EMC testing
- Power supply and procedure arrangements
- Routine tests, periodical testing and protection arrangement test bond in control office
- EMC
- Radio patching/Protection standby circuits
- Digital Voice Recorders
- Hot line telephones; Networking of Data Loggers.
- NMS and Fault Management
- Control efficiency and failure, Interruption & co-ordination with other department like BSNL
- Extension of communication at accident site and co-ordination

OPTICAL FIBRE COMMUNICATION

- RDSO Specification of Cables, Types, Cable construction
- Planning and Design system
- Cable laying procedure/Protection/Precautions Termination of Fiber
- Location of OFC room and survey
- Splicing; Type of tools and equipment
- Testing and Measuring instruments OTDR etc.
- Fault localization
- NMS
- STM1, 4, 16, PD MUX equipments (Installation & Maintenance)
- Power supply requirement
- Provision of Voice & Data Channels
- Ring/ABC earth for OFC equipment
- Maintenance practice
- Guidelines for maintenance of OFC cable and equipment

EXCHANGE:

- Digital Exchanges & Tax Exchanges etc.
- NGN connectivity, IP based Exchange
- Operator's console
- Maintenance console
- Alarms
- Service features in exchanges
- Cable Terminations/MDF/IDF
- Protective arrangements
- Power supply for Exchanges
- Telephones (Types) Features Installation, maintenance and wirings
- Exchange equipment Cards - functions, Programming of numbering schemes
- Inter connectivity of Exchanges
- Periodical preventive maintenance
- PRI/BRI/EI Card
- DID/DOD
- Traffic assessment
- Documentation
- Periodical Inspection, testing and maintenance
- AMC

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245
60

5. DATA COMMUNICATION

- Basic principles of Data Communication and applications
- Classification Network Topology, Layers
- PRS – HQrs. Satellite locations – Equipments – Connectivity
- UTS Unreserved Ticket System – Topology Installation and maintenance, UTS – Divisional, NMS System, HQ UTS System, NMS maintenance, station UTS system.
- NTES
- FOIS, COIS, CMS – Purpose, Equipments, connectivity
- Remote V-SAT Terminals
- DATA Modem, Routers, Hub, Firewalls and switches
- DATA Circuit Cables (Indoor)
- Train Information System
- RAILNET Connectivity – Testing – Maintenance – Programming – TCP/IP, MPLS working
- E-Mail/FAX, Internet
- Fault Diagnosis, Earthing, DO's and Don'ts
- IP based networks/Non – IP based networks

6. MOBILE TRAIN COMMUNICATION

- Mobile Train Radio Communication (MRTC) for Train Operators and (GSM/R) and technics
- Train Management and Information System

7. QUAD CABLE COMMUNICATION -

(4/6 QUAD AND RE MAIN TELECOM. CABLE AND DERIVATION CABLES

- Type of Quad Cable – 4/6 Quad Cable, Construction, Quad allocation
- ~~Laying practices~~
- Precautions before laying.
- Special requirements in 25 KV A/C
- Joints/Terminations
- Balancing & loading derivations in Quad Cables,
- Testing – Measuring instruments
- Fault localization/Restoration
- Periodical testing of parameters
- Quad Cable based communication in Non-RE area

8. EXCHANGE CABLES: Planning – Installation – Maintenance

- Type of cables and sizes
- U/G cable laying, terminations, Testing, Fault tracing
- Jointing practices – Terminations – with protective devices
- Indoor suitable Switch Board wiring – Subscribers premises cabling and terminations
- Maintenance and testing
- Structured cable system

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9. DISASTER MANAGERMENTS

- Vital communication facilities at accident site
- Cellular Telephones and deployment
- ART/MRV communications – List of equipments, Functional testing of ART equipments
- VHF System at accident site/Walkie-Talkie arrangement
- WLL Exchange
- Inmarsat/SAT Phone/WLL phones
- EMC/Portable communication
- Video conferring
- V-SAT communication
- Public Address System
- Inspection, Testing

10. PASSENGER AMENITIES

- Integrated Passenger amenities system – RDSO Specification
- LED Display Boards, Coach Guidance System, GPS based Clocks, LED Train Indication Board
- True colour Video – cum – Train information display system.
- PA Systems : Conventional/Microprocessor based
- IVRS
- Video Surveillance System
- Sound Distribution System – indoor and outdoor

11. (a) POWER SUPPLY SYSTEMS AND PROTECTIONS

- Stabilizer – different types
- Batteries – Secondary Cells
- Low Maintenance cells, Valve Regulated lead acid (VRLA)
- Battery Charger – Automatic, SMPS and other types for Tele. Applications
- DC-DC Converter & Inverter
- Diesel Generators, Installation and Maintenance
- Solar Cells – Design, Installation and Maintenance
- Primary Cells and Rechargeable Cells : Lithium, Ni-Cad, NIMH Cells, LI – ion batteries and chargers
- UPS types

(b) EARTHING & LIGHTNING PROTECTION

- Earthing – Installation, measurement, maintenance of different types of earth for telecom instruments.
- Surge protection device (SPDS) and applications, Class A, B, C protection

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12. GENERAL(I) RULES AND CODES

Must have adequate knowledge of all working rules, manuals, circulars, check list and procedure including General and Subsidiary Rules, Block Working Manual, Railway Accident Manual, Telecom. Manual, RE practices, WPC, PTCC, RTCC, Schedule of Dimensions.

(II) Personnel matters & Stores

- Establishment Rules – HOER, Pass Rules, DAR, WCA, Allowances and Advances, Staff Welfare, Leave Rules, Conduct Rules.
- Contract Management, Measurement Book, Tender schedule & conditions. G.C.C.
- Stores maintenance – Type of Stores, Ledgers
- Indenting & Procurement
- Disposal of unserviceable/obsolete materials
- Tools and plant items
- Use of Rajbhasha in Railway Offices and Railway installations – Hindi – Incentives. Use of Technical Terms and correspondence in Hindi.

III. Teaching Ability and skill in provision of teaching aids of the following.

1. Sufficient communication and teaching skills, knowledge of public speaking and general knowledge and accessories of Teaching aids.
2. Should have sufficient working computer knowledge like MS Office Package etc. including presentation in power point and system.
3. Should have ability to prepare handouts, Notes, Diagrams, Modules, Specimens etc.
4. Should have knowledge in e – learning system and video conference for remote class room with system installation.
5. Should have ability to install the all teaching systems like Projector, Lap top, Public address system, cordless mike, recording, display of slides.

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