

दक्षिण रेलवे / SOUTHERN RAILWAY

Divisional Office,
Personnel Branch,
Madurai – 625016,
Date:05.02.2026.

U/P. 608/IX/S&T/JE/Sig/40 % PRQ(173276)

**All SSEs/Signal wing/S&T Department
Madurai Division**

Sub: Selection for the post of Junior Engineer/Signal in PML-06 (GP. 4200/-
in VII CPC) against 40% PRQ Quota in S&T Department – reg.

It is proposed to conduct a selection for promotion to the post of Junior Engineer/Signal in PML-06 for filling up of 40% against Promotional Quota in S&T Department for vacancy assessed as indicated below:

UR: 01 SC: Nil ST: Nil Total: 01

Eligibility and Service Conditions:

- 1)a. The senior most Senior Technicians/Signal working in PML-06 with minimum two years of regular service in the relevant grade will be eligible for the post of JE/Signal in terms of para 7 of Railway Board letter No. E(NG)1/2019/PM 1/20 dated 19.12.2019.
- b. In the event of Sr. Technicians/Signal unwilling to seek promotion to the post of JE or adequate number of eligible Sr. Technicians/Signal are not available, Technician-I/Signal (GP-Rs.2800),who have completed two years of regular service will be eligible for promotion to the post of JE/Signal in PML-06 (GP-Rs. 4200) against promotion quota .
- 2) The list of senior most eligible staff working as Sr. Technician/Signal of S&T department who are coming within the normal zone of consideration in 1:3 ratio based on their seniority to attend the selection for the post of Junior Engineer/Signal is enclosed as “**Annexure A**”. In case of the employees in the main list express his/her unwillingness to appear for the selection on or before the cut of date (i.e., 10.02.2026), the next senior most will be included in the main list.

Syllabus

- 3) The syllabus for the written examination is enclosed as “**Annexure-B**”.

Date & Nature of Examination:

- 4) The venue and time of the written examination will be advised later.
- 5) The selection consists of written test and scrutiny of the record of service i.e. Service register and APAR in terms of Railway Boards letter No. E(NG)I/2000/PM1/41 date 07.08.2003.



6) In terms of Railway Board's letter No.E(NG)1-2006/PM1/18 dt.14.12.2018 & 14.11.2019 (RBE No.196/2018 & 194/2019), the written examination will be 100% objective type multiple choice questions. There shall be no negative marking for incorrect answers. In terms of PBC No.205/2016, 10% of the total marks will be set on Official Language Policy and Rules and the question(s) on the same will not be compulsory in nature. The examination will be conducted as **Centralized Computer Based Test (CCBT)** as per the PBC No. 02/2025 dated 03.01.2025.

Medical Fitness

7) The volunteers who have qualified in the written examination are required to undergo the medical examination in the classification of **Aye-Three (A3)**. If unfit the medical examination, he/she will not be considered for the post of JE/Signal category

Pre-Promotional Training

8) No Pre-promotional training since the vacancy is earmarked for UR category.

Procedure for drawal of Panel

9) The employees must secure 60% marks in the written examination and 60% aggregate for being placed in the panel and panel will be formed as per the seniority. Since the post of Junior Engineer being classified as Safety category post, there is no relaxation in qualifying marks for SC/ST employees. Hence, they are also required to secure 60% marks in the written examination and aggregate.

Supplementary Written Examination

10) Staff required to attend the above selection should not ordinarily be allowed to go on leave except in urgent cases. The employees should be warned before being permitted to go on leave that they will forego the chance of appearing the selection, if they do not attend the selection on the dates fixed, and there will be no supplementary written examination, if the above absence is for the reasons over which they have control.

Promotional Course

11) The selected and empanelled employees should have to undergo promotion course of Junior Engineer/Signal for a period of 34 weeks which is mandatory as per the Railway Board's letters No. E (MPP)99/19/1/5-3 dated 25.02.2002(PBC NO. 37/2002) & E(MPP)2019/3/50 dated 05.06.2020(RBE No. 42/2020) and on successful completion of the training, they will be absorbed as Junior Engineer/Signal in PML-06 of VII PC.

12) Tentative Schedule for the selection is tabulated as under (PBC No. 209/2025)

Sl.No	Details	Schedule
(i)	Written Examination & Supplementary Examination	Latest by 16.03.2026
(ii)	Publication of Panel	Latest by 15.04.2026



Notifying to the Staff:

13) The employees whose names appear in Annexure "A" are advised that the final list of employees to be admitted to the written examination will be advised on receipt of willing/unwillingness letters called for, who are willing/unwilling to attend the selection should **submit their applications in the proforma(Annexure "C" & "D") to this office through their controlling officer on or before 10.02.2026 in one bunch.**

14) All the eligible volunteers may keep themselves in readiness to appear for the written test. Also, they are equally responsible to attend the written examination on the scheduled date & Time.

15) Immediate supervisors are advised to notify this notification to all the employees whose names appear in Annexure "A" including those who are on deputation, training, leave/sick individually under clear acknowledgement without fail. They should pay personnel attention to this and take prompt and diligent action to avoid non-receipt or delayed receipt of the notification to all concerned.

16) The Supervisory Official concerned should ensure that the employees are notified of this notification in connection with the above selection under clear acknowledgement, including those employees who are on sick list/leave and against whom departmental proceedings have been contemplated/ initiated. The application from the willing/unwilling employees should be collected and forwarded to this office through their controlling officer for processing further.

- Encl.:**
1. List of Employees to be alerted (Annexure "A")
 2. Syllabus (Annexure "B")
 3. Application for willingness (Annexure "C")
 4. Application for Unwillingness (Annexure "D")



(S. Jeeurajan)

Assistant Personnel Officer/SEM
for Sr. Divisional Personnel Officer/MDU

Copy to: PCPO, PCSTE - for kind information
PS to DRM/MDU-for kind information of DRM/MDU
PS to ADRM/MDU-for kind information of ADRM/MDU
CVO/MS – for kind information
Dy.CPO/CN/MS, Dy.CSTE/CN/TBM-for kind information
Sr.DSTE/MDU,DSTE/GS/MDU - for kind information
ADSTE/MDU, TEN & KKDI, AXSTE/CN/MDU
Ch.OS/S&T Dept, Ch.OS/PB/Confdl Sec.
Ch. OS/Systems, JE/IT to upload the same in Railnet
DS /SRMU/MDU, DS/DREU/MDU, AISC/TREA, AIOBCREA &AIRPF

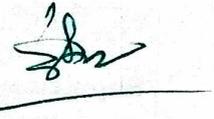
विषय/Sub: Selection for the post of Junior Engineer/Signal in PML-06 (GP 4200/-
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The under mentioned employees who are coming within the normal zone consideration to attend the selection for the post of Junior Engineer/Signal (40% PRQ) in PML-06 for 01-UR vacancy of S&T Department .

Main List (01:03 Basis)						
Sl No.	Name (Shri./Smt.) & P.F.No.	Com muni ty	Designation/ Station	DOB	DOA	DOE
1	T.Lakshmanan/ 15402680051	ST	Sr.Tech/Sig/ KKDI	21.05.1966	05.10.1990	24.01.2011
2	C.Sheeja/ 15404583693	UR	Sr.Tech/Sig/ QLN	25.05.1978	05.10.2001	01.11.2013
3	P.Click Anand/ 15404583930	UR	Sr.Tech/Sig/ S/MDU	25.04.1975	23.10.2002	01.11.2013
Supplementary List (will be considered only based on the unwillingness of the above 03 employees as per the seniority)						
4	A.Thomas Leo/15404583980	UR	Sr.Tech/Sig/ S/MDU	04.06.1979	23.10.2002	01.11.2013
5	J.Alexander/ 15404583656	UR	Sr.Tech/Sig/ TEN	13.01.1978	22.04.1999/21. 03.2001	01.11.2013
6	M.Satheesh Kumar/ 15404583620	UR	Sr.Tech/Sig/ TR/MDU	02.06.1978	01.03.2000/01. 03.2001	01.11.2013
7	Surendra Pahan/ 15404584272	ST	Sr.Tech/Sig/ DG	01.03.1982	15.12.2003	01.11.2013
8	Mahendra Hansdah/ 15404584399	ST	Sr.Tech/Sig/ TEN	05.02.1973	05.11.2003/24. 05.2004	01.11.2013
9	B.Sivakumar/ 15404584120	UR	Sr.Tech/Sig/ RMD	27.05.1981	04.02.2002/14. 07.2003	26.10.2014
10	S.Johny/ 15405586835	UR	Sr.Tech/Sig/ KKZ	29.05.1971	29.02.1996/13. 03.1997	26.10.2014
11	K.Kathiresan/ 15404583577	SC	Sr.Tech/Sig/ DG	09.05.1980	28.02.2001	27.10.2014
12	K.Thirumugaselvam/ 15404583590	SC	Sr.Tech/Sig/ TEN	16.03.1975	01.03.2001	17.11.2014
13	G.Sajeeth/ 15404584168	UR	Sr.Tech/Sig/ PLNI	08.06.1985	10.10.2003/16. 03.2005	14.12.2015
14	B.Venkatkrishnan/15 404550924	UR	Sr.Tech/Sig/ N/MDU	13.02.1985	19.09.2004/30. 11.2005	23.12.2015
15	S.Dinesh Kumar/ 15404583516	UR	Sr.Tech/Sig/ DG	03.04.1976	31.03.2000	22.05.2017
16	Jitendra kumar singh/ 15409040068	UR	Sr.Tech/Sig/ TVN	01.07.1978	30.01.2008/19. 09.2009	25.05.2017
17	Narayan Chandra/ 15409040079	UR	Sr.Tech/Sig/ KQN	02.10.1974	07.02.2008/21. 09.200900	17.05.2017
18	S.Froshkhan/ 15404583528	UR	Sr.Tech/Sig/ RMM	27.05.1977	30.03.2000	08.05.2017
19	P.Ganesh/ 15404584156	SC	Sr.Tech/Sig/ UDT	13.04.1981	07.07.2003	22.05.2017
20	M.Venkataraman/154 00323226	UR	Sr.Tech/Sig/ CN/MDU	10.04.1970	29.03.2000	01.09.2017
21	S.Venkatesan/	UR	Sr.Tech/Sig/ ASD	23.06.1972	01.03.2001	23.08.2017



	15404583589					
22	A.Kasi Viswanathan/ 15404583644	UR	Sr.Tech/Sig/ SCT	22.06.1979	23.03.2001	11.10.2017
23	S.Shannuga Sundaram/ 15406040056	ST	Sr.Tech/Sig/ KLS	19.04.1974	30.03.2006	01.09.2017
24	Kuttrala amaithy/15404583607	UR	Sr.Tech/Sig/S/ MDU	15.05.1974	28.02.2001	16.02.2019
25	M. Arivarasan/ 15404583670	UR	Sr.Tech/Sig/KON	08.12.1982	05.09.2001	19.02.2019
26	G.Velmurugan/ 15404583747	UR	Sr.Tech/Sig/TN	18.07.1982	01.12.2001	15.02.2019
27	A.Balamurugan/ 15404583875	UR	Sr.Tech/Sig/S/ MDU	05.04.1978	01.03.2002	05.03.2019
28	A.Mariselvam/ 15404583905	UR	Sr.Tech/Sig/CVP	26.10.1973	05.04.2002	16.02.2019
29	S.Shunmugasundaram /15404583929	UR	Sr.Tech/Sig/SVV	04.05.1984	27.09.2002	15.02.2019
30	K.L.Sini/15411040013	UR	Sr.Tech/Sig/PUU	24.01.1985	11.05.2009/ 24.01.2011	16.02.2019



JE/SIGNAL (PQ / LDCE)

SYLLABUS FOR THE EXAMINATION FOR SELECTION TO THE POST OF JE(SIG)

The question papers for the examination will consist of following Items:

1. General & Safety
2. Signalling & Interlocking
3. Electrical signalling (including Route Relay Interlocking)
4. Power Supply & lightning protection
5. Block signalling (including automatic block)
6. Signalling in General
7. Modern Railway Signaling
8. Stores & Accounts
9. Establishment Matters
10. Official language Policy and Rules

1. General & Safety:

1.1. General :

- a. Organization Structure of Railways and S&T Department.
- b. Organization Structure of S&T.
- c. G&SR:
 - (i) Absolute block working, Automatic block working, Signals in general, Location of various signals
 - (ii) Working of trains during total failure of communication
 - (iii) Knowledge of Hand signals
- d. Standard schedule of dimensions - 2004 with latest amendments
- e. Infringements - Maintenance of Infringements records.
- f. Must have adequate knowledge of all working rules, manuals and procedures including Block Working Manuals, Accident rules, Signal Engineering Manual, with particular reference to the field work of section signal engineers.
- g. Station working Rules.

1.2. Safety :

- a. Passenger Safety by duly following Safe working Rules
- b. Personal safety while working on the Railway Track, RE area, LC gates

- c. Fire Safety-Automatic Fire Detection & Suppression System
- d. First aid and cleanliness.
- e. Protection of evidence at accident sites.
- f. Failure memo, disconnection / reconnection memos
- g. NI working
- h. Codal life of assets
- i. Safety Integrity Test.

2. Signalling & Interlocking :

- a. Principles of Interlocking as per SEM.
- b. Preparation of Signalling plans and Numbering MACLS, PI Layouts
- c. Preparation of Inter cabin slotting and related circuits.
- d. Signal control circuits for MACLS PI British type both route setting and non-route setting.
- e. Preparation and reading of TOCs.
- f. Basic knowledge of Selection circuits, Power signalling circuits, Route Holding, Back locking, Indication locking, approach locking, Lamp proving, Route Indicators, colour light signals, Impedance Bonds, Point Control, Detection Circuits, Automatic signalling etc., and its maintenance and testing, troubleshooting of failure of those equipment.

3. Electrical Signalling :

- a. Relays of various types used in Indian Railway
- b. DC track circuits & their components, initial adjustments, insulating of points & crossovers, etc. Preparation of track bonding diagrams for different layouts, (Series, parallel, series parallel). Periodical maintenance & breakdown attendance of field portion of Track Circuit, AFTC.
- c. Electric point machines, universal type and their working control and detection circuits, various checks to be carried out and measurements to be taken during maintenance. Periodical maintenance & breakdown attendance of field portion of Point.
- d. Colour light signalling, cutting in arrangement, Red lamp protection, LED signals. Periodical maintenance & breakdown attendance of field portion of Signals.
- e. Automatic-signalling & basic principles and circuits
- f. Signalling in RE.
- g. Electric Key transmitter and its wiring

- h. Cables-various cables used in signalling, colour coding, parameters of cable, Insulation resistance value.
- i. Level crossing gates - Periodical maintenance & breakdown attendance of Interlocking arrangement of mechanical lifting barrier. Periodical maintenance & breakdown attendance of Sliding boom, Electrically Operated Lifting barrier, Road warning Signals, Hooter
- j. Measuring equipment-Multimeter, Voltmeter, Cable Meggering equipment, Hydrometer, Earth tester.

4. Power Supply & Lightning Protection :

- a. Various transformers, rectifiers, DC-DC converters used in signalling
- b. IPS-Components of various modules for wayside stations - Periodical maintenance of integrated power supply, chargers, Inverters, battery bank.
- c. Secondary cells (LMLA) initial charging, deciding of capacity of charger based on cells, Telecom application chargers used in signalling
- d. Solar Photo type cells and solar panels
- e. Generators.
- f. Lightning protection
- g. Earthing: Various types of earths used in signalling, measurements of earth value, maintenance free earth & ring earth
- h. Surge protection devices.
- i. Earth Leakage detector

5. Block Signalling :

- a. Push button type token less block instruments, PTJ type, Nomenclature of relays, working principles of various codes transmitted and received.
- b. Single line Daido type instruments, frequencies used in transmitting and receiving codes, general working
- c. SGE double line block instrument, lock and block circuit and LSS control circuit, "Dos & Don'ts"
- d. Automatic block signalling, circuits
- e. IBS working principles
- f. BPAC, Block panel, UFSBI, SSBPAC, In built block of EI.
- g. Working block telephones and their associated circuits.
- h. Installation, maintenance and testing and troubleshooting of failure of those equipment

6. Signalling in General :

- a. Location of signals, various types of signals and their use
- b. Working of siding taking off from loop line, working of siding taking from mid block section
- c. Classification of LC Gates, rules for working of trolleys, duties of maintenance of signal supervisors
- d. Foot Plate inspection & Joint foot plate inspections
- e. Joint inspection of points & crossings, Track circuits
- f. Signal failure investigations, reports and up-keep of data
- g. Procedure in connection with opening of new works, CRS sanction.
- h. Parameters of signalling gears including TCs, points, signals, Axle counter, cable loop resistance etc.
- i. Simple Current, Voltage & Power Calculations

7. Modern Railway Signaling :

Functioning of modern signalling and their installation, maintenance and testing and troubleshooting of failure of those equipment.

- a. Electronic Interlocking - Various types used in S Rly & their salient features. Related Circuits.
- b. RDPMS, Data loggers, RTU
- c. BPAC & SSDAC, MSDAC, HASSDAC
- d. Kavach & LTE
- e. Automatic Fire Detection Alarm system
- f. Latest policy and circulars on modern railway signalling
- g. Standardised RDSO logics.
- h. SMMS

8. Stores & Accounts :

- a. Imprest stores
- b. Consumable Stores
- c. Dead Stock , T&P maintenance & DMTR
- d. Written off stores and custody
- e. Stock verification & theft of stores
- f. Preparation of various tender, work orders, non- stock indents etc.
- g. Accounts matters including material at site accounts, completion reports etc.

9. Establishment Matters :

- a. Workman compensation Act
- b. HOER
- c. DAR major penalties & Minor Penalties.
- d. Various types of leave rules, Pass Rules and other welfare measures.

10. Official Language Policy and Rules :

- a. A, B & C regions, various incentives issued for implementation of RajBhasha.
- b. Equivalent words in Raj Basha for certain words in English.
- c. Usage of RajBhasha in official correspondence.

Annexure 'C'

Application for the post of JE/Signal in PML-06 against 40% PRO quota in S&T Department

(Ref: Sr.DPO/MDU letter No. U/P.608/IX/S&T/JE/Sig/40% PRQ(173276) dated 05.02.2026)

01. Name in Full (in Block letters) :
02. PF No. / Employee No. :
03. Designation & Station :
04. Date of Birth :
05. Educational Qualification :
06. Present Designation & Level :
07. Date of initial Appointment to Service
08. Total Length of Service
In Sr.Tech/Signal & Tech-I/Signal as on 05.02.2026:----- Years ----- Months-----Days
09. Whether belongs to SC/ST/UR :
(if SC/ST attested copy should be enclosed)
10. Relevant educational Qualification :
(Attested copies must be enclosed)
11. Mobile No. (for communication) :
12. Awards conferred during the last five Years :
(If any, attested copy should be enclosed)
13. Penalties imposed during last five years :
(a) Minor :
(b) Major :

Affix recent
photograph
attested by
controlling
supervisor

I hereby declare that all the conditions stipulated in the notification and Annexure "A" to "D" are accepted and further declare that the particulars furnished above by me are correct and if it is proved to be false, my candidature may be summarily rejected at any stage besides initiating major penalty DAR action for such misconduct.

(Sl. No. 01 to 13 are to be filled up by the employee legibly in the right side)

Date:

Signature of the Employee

CERTIFICATION OF SUPERVISORY OFFICIAL

Forwarded to Sr.DSTE/MDU for further necessary action please.

Office Seal:

Signature of the Supervisory Officials

Name :

Designation :

Date:

To

Sr. DPO/MDU

Sir,

Sub: Selection for promotion to the post of Junior Engineer/Signal in PML-06 of S&T department against 40% Promotional quota.

In reference to Sr.DPO/MDU letter No.U/P.608/IX/S&T/JE/Sig/40% PRQ (173276) dated 05.02.2026, I.....(Name of the employee) hereby state that, I am not willing to attend the Selection for promotion for the post of Junior Engineer/Signal against 40% Promotional quota in S&T department.

My Service Particulars are furnished below:

1. Name in Full (in Block letters) :
2. Designation & Station :
3. PF No: / Employee No :
4. Date of birth :
5. Date of appointment :

Yours faithfully

Date:

Signature of the employee

Forwarded to Sr.DPO/MDU through Controlling Officer for necessary action

Signature of the immediate Supervisor with office seal

Date:

