

No.SUR/P/S&T/Sele./JE (SIG)/40% Deptt.quota

NOTIFICATION

Sub:- Formation of panel for filling up the post of JE(Signal) level- 6 against 40% Departmental quota in S&T Department of Solapur Division

It is proposed to fill up vacancies of JE (Signal) in level-6/GP.4200/- against 40% Departmental quota in S&T Department of Solapur Division. The communal break-up of vacancies is as detailed below.

Category	UR	SC	ST	Total
JE(Signal)	00	02	01	03

Eligibility and service condition of staff:

The senior most staff working as Sr.Tech.ESM (MCM) in level-06/GP-4200/- as per seniority who has completed two years regular service and coming in the zone of consideration in the ratio of 1:3 will be considered. If sufficient staff are not available/unwilling, then the employees working in Technician. ESM-I in level 05/GP.2800/- in order of seniority in 1:3 ratio will also be considered as Railway Board's Letter No. E(NG)/1/99/PM7/3 Dated.22/02/2005. (RBE No.31/2005)

The list of Sr. Tech ESM Level-06 is enclosed herewith in **Annexure-A**. The willingness/unwillingness may be submitted in Annexure-III as per date mentioned in the tentative programme.

- d) They should be prepared to work anywhere on Solapur Division of Central Railway i.e. Open Line, RE & Construction.
- e) Their promotion is subject to being fit in AYE THREE (A-3) Medical Classification.
- f) The selected employees will have to undergo prescribed training .

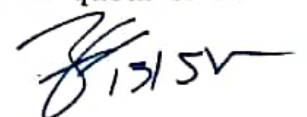
2. Mode of Selection:

In terms of Railway Boards Lr. No. E (NG)I/2000/PM 1/41 dated.27/08/2003, the positive act of selection to assess the professional ability of the candidate shall consist of written test in two parts i.e PART-I (Technical Subject) for 100 marks and PART-II (General subject) for 50 marks. The candidate has to obtain a minimum of 60% marks in professional ability i.e. in written examination for being considered for further selection process on perusal of service record & APARS.

The post of JE(Signal) being classified as "Safety Category post" there is no relaxation in qualifying marks to employees belonging to the category of SC/ST and hence they are also required to secure 60% marks in the written examination.

3. Syllabus:

APO (S&T/EL)/CSMT vide letter No. CR/HQ/PERS(PBPT)/17/2024/1 dated 30.04.2024, has issued common syllabus of Departmental and LDCE quota of JE (Signal) which is enclosed as **Annexure-B**.



4. Procedure for written examination:

In terms of Railway Board's Lr. No. E (NG) I-2018/PM1/4 dated.14/12/2018 the written examination consist of objective type 100% questions and 10 optional questions pertaining to Rajbhasha (Total 110 questions for 02 hours). There will be objective type questions for the written test. All the questions will be of multiple choice only. Examination will be conducted in CBT mode. As per RBE No.196/2018 dtd.14.12.2018 & HQ Letter No.P/HQ/Ruling/o/803 dtd.19.12.2018 Correction to the answers for the objective type questions will not be evaluated such as,

- e) Cutting.
- f) Overwriting.
- g) Erasing
- h) Scoring off a ticked answer in multiple-choice and ticking another answer, and Modifying the answer in any way.

To ensure the authenticity of Answers, cutting, overwriting, erasing and alteration of any type in the answer will not be accepted. Zero marks will be given for Answer having correction/ over writing. In terms of Railway board letter no. E(NG)I/2018/PM I/4 dt.14.11.2019, there will be no negative marking in selection against departmental quota.

The question paper for written test as a part of selection, it should test the ability of the candidates to tackle the practical problems and will be on practical basis. However, the candidates will also be tested on the practical knowledge wherever required. (Railway Boards Lr. No.E (NG)1-2004/PM1/25. Dated.21/09/2004).

5. The tentative Programme is as under:

S. N	Description	Tentative Date
01	Date of issue of notification	13.05.2024
02	Date by which willingness/unwillingness to be submitted to Depot In charges	25.05.2024
03	Date of submission of willingness/unwillingness received at Depot to be forwarded by the Depot In charge to DRM(P)SUR in one lot.	30.05.2024
04	Date of publication of eligibility list after scrutiny of applications received.	03.06.2024
05	Pre-Promotional training for SC candidates	05.06.2024 to 28.06.2024
06	Date of Written Test	30.06.2024
07	Declaration of Provisional Answer key	01.07.20024
08	Declaration of Final Answer key	12.07.2024
09	Declaration of Result of CBT	19.07.2024
	Date of publication of panel.	02.08.2024

It is to be advised to the staff that they should be in readiness to appear for the examination on the dates indicated above.

6. Pre-Selection Coaching:

In terms of instructions contained in Railway Boards Lr. No. 88-E(SCT)I/42/2, dated.8/11.01.1991. Pre-selection/pre-promotion training to SC/ST employees is to be conducted covering the syllabus of the examination for selection to safety Category post and will be imparted for a period of 3 or 4 weeks. After completion of the pre-selection coaching, a certificate has to be issued by the

[Handwritten signature]

controlling officer to effect that all the eligible SC/ST employees have been imparted pre-selection coaching for a period of 3 or 4 weeks covering the syllabus prescribed for the examination. In case if any employee expressed his unwillingness for pre-selection coaching a written declaration to that effect may be obtained and forwarded to this office for record.

7. Supplementary Written Examination:

A supplementary examination will be held for the employees, who remain absent from the written examination due to unavoidable situations in the following circumstances with the approval of the competent authority.

i.	Administration's failure to relieve the employees in time for examination/late intimation of the dates of tests etc.
ii.	Sickness of the candidate or other reason over which the employee has no control unavoidable absence will not, however include absent to attend wedding or similar function or absence over which he has control. Sickness should be covered by a certificate from the Railway Medical officer.

8. Additional information for guidance to the staff:- In terms of this office letter No. SUR/P/Con/Selection/Publishing Answer - Key/2023 dated 22.11.2023 it is hereby advised to incorporate the following instructions/clarification issued for all departmental/LDCE selections.

A). AS per Headquarter letter No.P/HQ/Ruling/O/803 dated:07.10.2022, the 'Answer key' or 'Revised Answer key' if any will be uploaded in Rail Net website <https://cr.indianrailways.gov.in/> Any representation(s) against the questions/options, to be uploaded by the examinees with proper clarification (**only candidates who appeared**) on email id (srdposur@amail.com) only (**not through DAK**) and the examinees will be given only 07 days (including intervening holidays) from the day next to date of publishing of Answer key.

B). As per Railway Board's Letter No. E(NG)I-2023/PM1/9 dated:08.06.2023, total marks secured by all the candidates who have been evaluated after qualifying the written examination and the marks secured in the written test in case of the remaining candidates will be uploaded in Rail Net website <https://cr.indianrailways.gov.in/> after finalization of the panel.

C). AS per Railway Board's letter No.2010/E(RRB)/25/27Pt dated:09.06.2011 stipulates that wherever any question(s) in the question paper(s) is found to be incorrect, the question(s) may be omitted from the scope of evaluation instead of giving grace mark(s) and raw score may be assessed on percentage basis.

Accordingly, in terms of Railway Board vide Letter No. E(NG)I/2018/PM1/4 dated:07.11.2023, In case some of the question(s)/answer(s) therein are incorrect, the procedure as prescribed in above Railway Board's letter dated: 09.06.2011 will be adopted only for those candidates who have attempted that/those incorrect question or questions with wrong answer(s). This will be applicable to question paper(s) involving optional question(s).

9. Procedure for panel :- Names of the selected candidates will be arranged in the order of seniority but those securing a total of 80% or more marks in the aggregate will be classified as "Outstanding" and placed in the panel appropriately in order of their seniority allowing them to supersede not more than 50% of total employees in the zone of consideration.

10. Notify to the staff:- In terms of Railway Boards Lr. No.E(NG)I-72/PM1/166 dated.26/06/1972, the Senior Subordinate/Supervisor concerned has to furnish a certificate that "the eligible employees were duly notified of the holding of the test

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and advised to submit their applications giving willingness or otherwise in writing" and forward the same to Sr.DPO/SUR.

It should be the personal responsibility of the senior Subordinate / Supervisor to complete the formality in this respect. It is further advised that any other communication received in respect of 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.

11. Last date for submission of Applications: - The willing and eligible volunteers has to submit their applications in prescribed Proforma to their immediate supervisors on or before **25.05.2024** who will forward the same in one bunch with a covering letter, to Sr.DPO Office/SUR on or before **30.05.2024**.

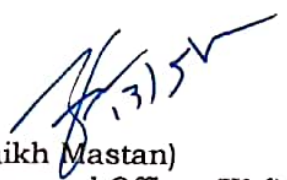
12. All SSE(Signal) should submit a certificate to this office before 15.05.2024 about giving wide publicity of the above notification.

13. The above notification is also available on web page at cr.indianrailways.gov.in under tab/ **About/Solapur/personnel/Notification**.

14. Incomplete applications received after the last date shall be summarily rejected.

Please acknowledge receipt

Encl: 1) List of Sr. Tech ESM in Level 06 (Annexure-'A')
2) Syllabus (Annexure-'B')
3) Application Proforma (Annexure-'C')


(Shaikh Mastan)
Asstt Personnel Officer (Wel)
For Sr.Divisional Personnel Officer
Solapur Division

C/- SDGM/VIG/CSTM for information please.

C/- Sr. DSTE/SUR, DSTE (Construction)/SUR, Dy.CSTE(RE)/SC for information, please.

C/- Sr.DSTE/Pune & Sr DPO/Pune for information, please.

C/- Ch.OS (P) Confidential section for information and necessary action, please.

C/- Divisional Secretaries of CRMS, NRMU, AISCSTREA & AIOBCREA.

Annexure-'A'**List of SC Candidate as per Seniority**

Sr.No.	PF	HRMS ID	Name of the Employee (Shri/Smt/Kum)	Category (UR/SC/ ST/OBC)	Design	Stn	working under
1	00505975207	XYMFHH	VIJAYKUMAR AMRU	SC	Sr.Tech ESM	WD	SSE(SIG)KLBG
2	00305972630	USBQII	RAJGURU ALANKAR VISHWANATH	SC	Sr.Tech ESM	PB	SSE(SIG)ANG
3	00505985158	ADERDZ	VELKUMAR M	SC	Sr.Tech ESM	SUR	Sr.DSTE/SUR
4	00505985160	PJFPGO	KENDALE SUNIL MARUTI	SC	Sr.Tech ESM	TKWD	SSE(SIG)SUR
5	00505944867	JUDLHJ	PARASRAM HUSENI	SC	Sr.Tech ESM	SUR	SSE(SIG)SUR
6	00505471230	CKLQAR	RAJU GOVIND	SC	Sr.Tech ESM	JH	SSE(SIG)KWV

List of ST Candidate as per Seniority

Sr.No.	PF	HRMS ID	Name of the Employee (Shri/Smt/Kum)	Category (UR/SC/ ST/OBC)	Design	Stn	working under
1	00505981689	OATRSO	SURESH KACHHAP	ST	Sr.Tech ESM	WD	SSE(SIG)KLBG
2	00505972632	AWLPHP	AMICHAND C MEENA	ST	Sr.Tech ESM	RRI	SSE(SIG)ANG
3	00505977411	THPNYY	PUNAJI MARUTI	ST	Sr.Tech ESM	YL	SSE(SIG)ANG

I/55310/2024



मध्यरेलवे/CENTRAL RAILWAY

प्रधानकार्यालय/Headquarters Office
कार्मिकविभाग/Personnel Department
सी.एस.एम.टी., मुंबई/CSMT, Mumbai-400001

क्रमांक. CR/HQ/PERS(PBPT)/17/2024/1

दिनांक: 30-04-2024.

सेवामें : Sr.DPO Pune, Nagpur

विषय: Syllabus for the post of JE/Signal, ML-06 of S&T Department of Central Railway.

सन्दर्भ: This office letter No. CR-HQ/PERS(PMPC)/14/2022 dated 03.04.2024.

1. With reference to the above, a common syllabus for selection to the post of JE/Signal Matrix Level-6 of S&T Department for LDCE(Ranker) and Departmental quota duly approved by Competent Authority is enclosed herewith for your information and record please.

Sd/-(Prem Kumar Sharma)
APO(S&T/EL)
/-PCPO

Copy to: DRM(P)BB, BSL, NGP, SUR, PA – For information please.

Copy to: DY.CPO(HRD) – for information please.

Digitally Signed by Prem
Kumar Sharma
Date: 30-04-2024 17:24:17
Reason: Approved
/-PRINCIPAL CHIEF PERSONNEL OFFICER

I/55310/2024

SYLLABUS FOR SELECTION TO THE POST OF JE /(SIGNAL) AGAINST 20% LDCE QUOTA & 40% PROMOTIONAL QUOTA.

Signalling & Interlocking
<ol style="list-style-type: none"> 1. Principles of Interlocking, Isolation, Route Holding, Standard of Interlocking. 2. Various Signalling documents of a signalling installations. 3. Panel Interlocking, Route relay Interlocking, Electronic Interlocking. (Centralised / Distributed Architecture) 4. Interlocking of LC gate. 5. Route Control Chart / STLT
Electrical Signalling
<ol style="list-style-type: none"> 1. Various types of Relays used in signalling. 2. DC Track circuits, AC Trak Circuits, AFTC, Various types of connection of track circuits (Series, Parallel) & track bonding diagrams. Fail Safe adjustment of track circuits. 3. Electric Point machines (IRS/Non-IRS), Conventional Point /TWS Point, point operation and their detection circuits, superimposed detection, Points to be checked before Interlocking of Point. 4. Colour light Signals, Signal Implantation, Cutting in Arrangement, Cascading, Red Lamp Protection, LED Signals. 5. Inter Cabin Control (Slot) Circuits 6. Electric Operated Level Crossing Gates and Sliding booms 7. Various cables used in signalling and its standard parameters 8. Cable Laying Practice.
Power Signalling
<ol style="list-style-type: none"> 1. Integrated Power Supply Arrangements 2. Transformers, Rectifiers, Chargers, Inverters, stabilisers, DC-DC Converters 3. LMLA/VRLA batteries, Battery Charging Procedure, Float & Boost Charging 4. CLS Auto Change over Panel 5. Power Supply Arrangements for various Layout & Capacity 6. Various cables used in signalling for Power Supply 7. Various type of Surge protection used for Signalling Equipment's 8. Earthing: Conventional /Maintenance free Earth. Concept of Ring Earth and Perimeter Earth.
Block Signalling
<ol style="list-style-type: none"> 1. SGE double line block instrument, lock and block circuit and LSS control circuit. 2. Handle type token less block instruments (Daido), 3. Working Principles of various type of blocks 4. IBS Working. 5. BPAC 6. Block Panel & UFSBI, SSBPAC 7. Automatic Block Signalling circuits.

Modern Signalling
<ol style="list-style-type: none"> 1. Data logger/RTU and Networking 2. Digital Axle Counter (Various type of DAC's like SSDAC, HASSDAC, MSDAC) 3. Auxiliary Warning System 4. Kavach (TCAS)
Signalling in RE Area
<ol style="list-style-type: none"> 1. Induce supply effect on cables due to parallelism in RE Area and traction Effect on Signalling Gears 2. Circuits concepts and design to Save malfunction of Signalling Gears due to Induction 3. Personal Safety During Handling/Maintenance of Signalling Gears
Disaster Management
<ol style="list-style-type: none"> 1. Signalling Safety 2. Disaster Management 3. Procedure of Investigation During Accident & Derailment Cases.
Establishment Matters
<ol style="list-style-type: none"> 1. HOER 2. DAR Major and Minor Penalties 3. Various types of Leave rules, Pass rules
Official Languages (Raj Bhasha)
<ol style="list-style-type: none"> 1. A, B, & C Regions on Language Basis Various Incentives issued for implementation of Raj Bhasha 2. Usage of Raj Bhasha in Official Correspondence
Stores
<ol style="list-style-type: none"> 1. Imprest stores 2. Consumable store 3. Dead Stock, T&P maintenance & DMTR 4. Stock Verification & theft of stores
Codes & Manuals
<ol style="list-style-type: none"> 1. G&SR (General & Subsidiary Rules) 2. SEM (Signal Engineering Manual) 3. SOD (Schedule of Dimension) 4. Accident Manual 5. Block Working Manual

To,
DRM(P)SUR

Sub:- Willing/Unwilling for selection the post of JE(Sig) in level-6 against
40% Departmental quota.

Ref:- Your notification No. SUR/P/S&T/Sele./JE (SIG)/40% Deptt.quota
Date-13.052024.

I.....Designation/Stn.....
..... hereby submit my Willingness/Unwillingness for selection to the
post of JE(Sig) GP.4200/- level-6 against 40% Departmental quota of Soalpur
Division.

Signature

Name of Employee:-

PF No.

Date:-

.....
Lr.No.

Date:-

Forwarded to DRM(P)SUR for necessary action please.

Signature of supervisor
office stamp& seal