

**NOTIFICATION****Sub: - Formation of panel for filling up the post of JE/TL, Level-6, against 25% Departmental quota in Electrical/TL dept.of Solapur Division.**

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It is proposed to fill up vacancies of JE/TL in Level-6, against 25% Departmental quota in Electrical/TL Department of Solapur Division. The communal break-up of vacancies is as under:-

Category	UR	SC	ST	Total
JE/TL	01	00	00	01

**Eligibility and service condition of staff:**

The senior most staff working as Sr.Tech./TLF & AC in Level-06 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 staffs are not available/unwilling, then the employees working in Tech-I/ TLF & AC, Level-5 in order of seniority in 1:3 ratio will also be considered as Railway Board's Letter No. E(NG)/I/99/PM7/3 Dated.22/02/2005. (RBE No.31/2005)

The list of Sr.TechTLF & AC, Level-06 is enclosed herewith. The willingness/unwillingness may be submitted in as per date mentioned in the tentative programme.

- They should be prepared to work anywhere on Solapur Division of Central Railway i.e. Open Line, RE & Construction.
- Their promotion is subject to being fit in Bee One (B-1) Medical Classification.
- The selected employees will have to undergo prescribed training.

**1. Mode of Selection:**

In terms of Railway Board's Lr. No. E (EN) 1/2000/PM1/41 dtd. 20.08.2003 (RBE No. 137/2003), the positive act of selection to assess the professional ability of the candidate shall consist of written test. The employees have to obtain a minimum of 60% marks in professional ability i.e. in written examination, for being considered for further selection process i.e perusal of service record & APARS. The post of Junior Engineer 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.

**2. Syllabus:-Syllabus & question bank enclosed.****3. 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 choices only. The written Examination will be held on 15.07.2024 in Sr. DPO's Office Solapur at 09-30.hrs.



- Cutting, Overwriting.
- Erasing
- 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)/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).


**4. The tentative Programme is as under:**

S. N	Description	Tentative Date
01	Date of issue of notification	31.05.2024
02	<b>Date by which willingness/unwillingness to be submitted to Depot In charges</b>	<b>10.06.2024</b>
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.	18.06.2024
04	Date of publication of eligibility list after scrutiny of applications received.	24.06.2024
05	Pre-Promotional training for SC candidates	NA
06	Date of Written Test	15.07.2024
07	Declaration of Provisional Answer key	18.07.2024
08	Declaration of Final Answer key	23.07.2024
09	Declaration of Result of	30.07.2024
	Date of publication of panel.	05.08.2024

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

**5. Pre-Selection Coaching:**

In terms of instructions contained in Railway Boards Lr. No. 88-E(SCT)/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 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.



## **6. 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 attending wedding or similar function or absence over which he has control. Sickness should be covered by a certificate from the Railway Medical officer.

**7. 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).

**8. Procedure for panel :-** Names of the selected candidates will be arranged in the order of seniority but those securing a total of 80% of 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.



**9. Notify to the staff:-** In terms of Railway Boards Lr. No.E(NG)1-72/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 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.

**10. 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 **10.06.2024** who will forward the same in one bunch with a covering letter, to Sr.DPO Office/SUR on or before **18.06.2024**.

**11.** The above notification is also available on web page at [cr.indianrailways.gov.in](http://cr.indianrailways.gov.in) under tab/ **About/Solapur/personnel/Notification**.

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

Please acknowledge receipt

Encl:- 1) Syllabus  
2) Application Proforma.

(S. L. KHOT)

APO (Genl) SUR

For Sr.Divisional Personnel Officer  
Solapur Division

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

C/- Sr. DEE/G for information, please.

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

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

## DECLARATION

I am in receipt of Letter No. SUR/P/Elect/Sele./JE TL/25% Dept.quota dtd. 31.05.2024 Alerting me for written examination against 25% Departmental quota for the post of JE/TL in Electrical/TL Department.

I am WILLING / UNWILLING to appear for Written Examination:-

01	Name in Block Letters	
02	Designation & Station	
03	Date of Birth	
04	Date of appointment	
05	Caste	
06	PF No.	
07	Xerox copy of Caste Certificate	Attached/Not attached
08	Willing/Unwilling	
09	Mobile No	

(Signature of employee)

Name:-

Designation:-

Department/Station

Date: -

Place: -

The particulars mentioned above are true and found correct.

Signature of Depot in charge with Seal

**Syllabus for selection of JE/TL-AC, Level-6 (GP-4200) in General Services of Electrical Department, SOLAPUR division.**

1. Activities of Electrical Department in Railway, Duties of staff working in areas of train lighting & Escorting, Air conditioning and General Power supply.
2. General Electrical technology, Theory of single phase and three phase electrical circuits, DC electrical circuits, Range, Accuracy, Procedure, Frequency of calibration and use of Ammeter, Voltmeter, Multi meter, Tong tester, Megger, Earth resistance tester, Vernier caliper, Tachometer, Torque wrench, Anemometer, Conductivity meter, Procedure of detection of earth leakage, Water de-mineralization technology, etc.
3. Working of TL-AC alternator, Regulator and on board inverter, Low maintenance & VRLA batteries, Earth protective devices in power panels of TL/AC coach, Electrical system in LHB coaches, Power car arrangement, Feeder selection, DA sets troubleshooting, Maintenance of RMPU in LHB & ICF coaches, Maintenance schedules of ICF & LHB coaches and Power cars.
4. Basics of Air conditioning, Refrigeration cycle, and Construction details of RMPU unit and maintenance schedule of RMPU unit, Refrigerants used and its properties.
5. Different types of batteries of coaches, Charging of different types of batteries, Ingredients of electrolyte & initial charging, Maintenance of batteries.
6. Commissioning and testing of TL/AC coaches, Procedure of testing of generating equipment, Testing of AC plant and electrical testing of Non-AC & AC coaches, Knowledge of description and contents of SMIs modification & technical circular connected to TL-AC coaches, RDSO & Railway Board instructions, and recent development in coaches.
7. Classification of Fires, Safety Rules, First aid and fire fighting knowledge, Safety precautions to be taken while handling electrical equipment, Preventive measures to avoid electrical accidents, Measures to be taken in case of electrical accidents. Types of fire fighting equipment and their application, Electric shock treatment measures, Fire causes and prevention measures in the coaches, Awareness about 25 kV OHE & safety in the yard.
8. Knowledge of stores, Store purchase inventory control & ABC analysis, Works contract/Tenders, Execution of works, Online portals such as UDM, IRPES, GeM etc.
9. Sick line facilities & its functioning.
10. Trouble shooting of SG, EOG & LHB type TL-AC coaches and Power cars.
11. Basic knowledge of computer operation, Information Technology in Railway- e-Office, HRMS, Rail Madad etc.
12. General conditions of service in Railway, Seniority, Lien, Inter Railway & Inter Division Transfer, Deputation, Promotion policies, Selection, Suitability test, Trade test, Leave rules, Pass rules, HOER, Overtime, Payment of wages, Current CPC pay rules, Advances in Railways, Disciplinary & Appeal Rules 1968, Railway service conduct Rules 1966, Schedule of Disciplinary powers. Training modules of different posts, APARs etc.

**13. राजभाषा: -**

भारत की राजभाषा-संवैधानिक प्रावधान, राजभाषा अधिनियम 1963, राष्ट्रपति का आदेश-1960, राजभाषा संकल्प 1968, राजभाषा नियम, 1976, संघ की राजभाषा नीति, संसदीय राजभाषा समिति की सिफारिशों पर जारी राष्ट्रपति आदेश, भाषायी क्षेत्र, राजभाषा हिंदी के प्रयोग संबंधी आदेशों का संकलन, भारतीय संविधान की 8 वीं अनुसूची में शामिल भाषाएं.

अरिष्ठ मंडल विद्युत इंजीनियर (सा.)  
Sr. Divisional Electrical Engineer  
रेल, सोलापुर

1. In pure inductive circuit:

- a) The current is in the phase with the voltage
- b) The current lags behind the voltage by  $90^\circ$
- c) The current leads the voltage by  $90^\circ$
- d) The current can lead or lag by  $90^\circ$

प्युअर इंडक्टिव सर्किट में

- a) करंट वोल्टेज के साथ चरण में है
- b) करंट वोल्टेज से  $90^\circ$  लैग (पीछे) रहता है
- c) करंट वोल्टेज से  $90^\circ$  लीड (आगे) रहता है
- d) करंट वोल्टेज से  $90^\circ$  तक लीड या लैग रह सकता है

2. As per Ohm's law:

- a)  $V = IR$
- c)  $R = V \times I$

- b)  $V = I/R$
- d) None of above

ओहम्स के नियम के अनुसार:

- a)  $V = IR$
- c)  $R = V \times I$

- b)  $V = I/R$
- d) उपरोक्त में से कोई नहीं

3. A.C. is converted into D.C. by:

- a) Dynamo
- c) Transformer

- b) Motor
- d) Rectifier

किसके द्वारा A.C को D.C में परिवर्तित किया जाता है:

- a) डायनामो
- c) ट्रांसफार्मर

- b) मोटर
- d) रेक्टिफायर

4. Earth fault in coaches can be detected by using

- a) Ammeter
- c) Double lamp test method

- b) Voltmeter
- d) Potentiometer

कोचों में अर्थ लिकेज का पता लगाने के लिए \_\_\_\_\_ का उपयोग किया जा सकता है।

- a) एम्मीटर
- c) डबल लैप परीक्षण विधि

- b) वोल्टमीटर
- d) पोटेन्शीओमीटर

5. Expand RDSO

- a) Research Design & Standard Organization
- b) Revenue for Direct Supply Order
- c) Railway, Design & Standard Organization
- d) Research, Design & Specification Organization

RDSO का विस्तार करें

- a) रिसर्च, डिजाइन एंड स्टैंडर्ड आर्गेनाइजेशन
- b) रेवेन्यू फॉर डायरेक्ट सप्लाय ऑर्डर
- c) रेल्वे डिजाइन एंड स्टैंडर्ड आर्गेनाइजेशन
- a) रिसर्च, डिजाइन एंड स्पेसिफिकेशन आर्गेनाइजेशन

6. During charging of lead acid cell:

a) Its voltage increases

c) Specific gravity decreases

b) Its voltage decreases

d) Both a) and c)

लेड एसिड सेल के चार्जिंग के दौरान:

a) इसका वोल्टेज बढ़ता है

c) विशिष्ट गुरुत्व कम हो जाता है

b) इसका वोल्टेज कम हो जाता है

d) दोनों a) और c)

7. The gap between two halves of axle pulley is

a)  $2 \pm 0.5$  mm

c)  $4 \pm 0.0$  mm

b)  $3 \pm 0.5$  mm

d) None of these

एक्सल पुली के दो हिस्सों के बीच का अंतर होता है:

a)  $2 \pm 0.5$  mm

c)  $4 \pm 0.0$  mm

b)  $3 \pm 0.5$  mm

d) उपरोक्त में से कोई नहीं

8. Capacity in ton of refrigeration of one RMPU has

a) 14 tons

c) 5.2 tons

b) 7 tons

d) 3.5 tons

एक RMPU की रेफ्रिजरेशन के टन में क्षमता है :

a) 14 टन्स

c) 5.2 टन्स

b) 7 टन्स

d) 3.5 टन्स

9. RBC stands for

a) Remote Battery Charger

b) Regular Battery Charger

c) Regulated Battery Charger

d) Railway Battery Charger

RBC का अर्थ है

a) रिमोट बैटरी चार्जर

b) रेगुलर बैटरी चार्जर

c) रेगुलेटेड बैटरी चार्जर

d) रेल्वे बैटरी चार्जर

10. Which of the following should you NOT do if a person is in contact with a source of electricity and suffering from electrical shock?

a) If safe, turn off the power or source of electricity

b) Touch him or her directly with your body

c) Use a safe object to move the source of electricity

d) None of these

यदि कोई व्यक्ति बिजली के स्रोत के संपर्क में है या बिजली के झटके से पीड़ित है, तो आपको निम्नलिखित में से क्या नहीं करना चाहिए?

a) यदि सुरक्षित है, तो बिजली या बिजली के स्रोत को बंद कर दें

b) उसे सीधे अपने शरीर से स्पर्श करें

c) बिजली के स्रोत को स्थानांतरित करने के लिए एक सुरक्षित वस्तु का उपयोग करें

d) इनमें से कोई नहीं

11. AAC (Anticipated Annual Consumption) is for \_\_\_\_\_ Item

- a) Stock
- b) Non stock
- c) Imported Stock
- d) Emergency Stock

ए.ए.सी (प्रत्याशित वार्षिक खपत) \_\_\_\_\_ आइटम के लिए है

- a) स्टॉक
- b) गैर स्टॉक
- c) आयातित स्टॉक
- d) आपातकालीन स्टॉक

12. Which No. of standard form is used for issuance of Major penalty charge sheet on disciplinary proceedings?

- a) SF-11
- b) SF-6
- c) SF-5
- d) None of these

अनुशासनात्मक कार्यवाही पर मेजर पेनल्टी चार्जशीट जारी करने के लिए कौन से मानक रूप का उपयोग किया जाता है?

- a) SF -11
- b) SF -6
- c) SF -5
- d) इनमें से कोई नहीं

13. What is the capacity of DG set of EOG power car

- a) 280 KVA
- b) 490 KVA
- c) 500 KVA
- d) 250 kVA

EOG पावर कार के डीजी सेट की क्षमता कितनी है?

- a) 280 केवीए
- b) 490 केवीए
- c) 500 केवीए
- d) 250 केवीए

### हिन्दी राजभाषा / Hindi Rajbhasha

14. निम्नलिखित में से किस वर्ष में, संसद ने राजभाषा अधिनियम लागू किया?

- a) 1963
- b) 1964
- c) 1965
- d) 1966

15. क्षेत्र 'बी' के अंतर्गत आने वाले राज्य कौन से हैं?

- a) महाराष्ट्र
- b) गुजरात
- c) पंजाब
- d) उपरोक्त सभी

Sr. No.	PF NO.	Name(S/Shri)	Caste	Design	Station	Date of Birth	Date of Appt.	Date of entry in grade	Promoted against SC/ST	Mod of Recruitment	Remark	
1	5491204	G.Shivputra Rangareddy	ST	Sr TECH TLF	WD	01.06.1971	23.03.1993	29.04.2014	ST	19.01.2004	05.07.2008	01.01.2010
2	505979300	Santosh Babu Chatake	UR	Sr TECH TLF	SUR	01.08.1982	19.12.2000	01.09.2016			Promoted as JE	05.10.2011
3	505979353	Gopal Babu Olekar	UR	Sr TECH TLF	SUR	01.06.1980	20.01.2001	01.09.2016				05.10.2011
4	505986709	Amjad Nazir Pathan	UR	Sr TECH TLF	SNSI	10.02.1981	16.09.2002	01.09.2016				05.10.2011
5	505306978	Miss Shama Faiz Sk	UR	Sr TECH TLF	KWV (W/S)	15.08.1975	25.04.2002	01.09.2016				01.06.2012
6	505970672	Mohd Asagar Mahiboob	UR	Sr TECH TLF	SUR	01.06.1972	03.05.1997	01.09.2016				13.08.2013
7	5960265	Harish Ashok	UR	Sr TECH TLF	SUR	23.07.1968	20.10.1993	21.12.2018				01.11.2013
8	5496585	Esther Nilesh Lokhande	UR	Sr TECH TLF	SUR	26.02.1985	28.07.2004	21.12.2018				01.11.2013
9	5988925	Tanaji Jagnath	UR	Sr TECH TLF	KWV	01.06.1982	18.02.2005	21.12.2018				01.11.2013
10	5970362	Charndas Laxman	SC	Sr TECH TLF	PVR	01.06.1970	15.03.1996	21.12.2018	SC		17.03.2012	04.08.2014
11	5308460	Chandrasekhar Monappa	UR	Sr TECH TLF	WD	01.01.1966	01.07.1991	02.03.2020		01.03.2010	125/2020	
12	4700211	A.A.Das	UR	Sr TECH TLF	SUR	17.12.1969	01.01.1997	02.03.2020			125/2020	
13	6101102	Pravin Ramesh	SC	Sr TECH TLF	DD	26.06.1986	24.08.2006	02.03.2020	SC		125/2020	
14	5308586	Mansur Abdul Karim	UR	Sr TECH TLF	LUR	01.06.1968	15.01.1993	16.07.2020				30.05.2016
15	5978853	Md Ibrahim A Hamid	UR	Sr TECH TLF	SUR	08.05.1968	28.06.2000	25.06.2021				30.05.2016
16	5990191	Ashwini Parbatrao	UR	Sr TECH TLF	SUR	01.06.1971	28.07.2005	25.06.2021			30.05.2016	30.05.2016
17	5993842	Anil Madhukar	SC	Sr TECH TLF	SNSI	17.11.1988	25.06.2007	25.06.2021	SC			

Seniority of Sr Tech AC Mech GP 4200/- Level-6 staff of Electrical department of Solapur Division.

Sr. No.	PF NO.	Name(S/Shri)	Caste	Design	Station	Date of Birth	Date of Appt.	Date of entry in grade	Promoted against SC/ST	Mod of Recruitment	Remark
1	5993507	Ambadas B.Devkar	OBC	SR.AC MECH	SUR	06.07.1982	19.04.2007	07.12.2017			
2	5948940	Raju Sidram Bere	SC	SR.AC MECH	SUR	12.08.1974	02.08.1994	09.10.2018			
3	5987593	Malhari Rangnath	UR	SR.AC MECH	SUR	23.05.1975	07.11.2003	22.09.2020			
4	5475302	Mohan Laxman	UR	SR.AC MECH	SUR	24.04.1964	17.02.1989	30.06.2022			Sup
5	6002493	Avinash Anil Dodtale	UR	SR.AC MECH	SUR	27.01.1987	31.03.2011	30.06.2022			
6	6003242	Santosh Devidas	UR	SR.AC MECH	SUR	23.06.1986	30.07.2011	30.06.2022			
7	6004570	Subhash Dattraya	UR	SR.AC MECH	SUR	01.06.1987	28.04.2012	30.06.2022			
8	6005792	Arshad Babulal	UR	SR.AC MECH	SUR	05.04.1988	19.06.2012	30.06.2022			
9	5976121	Tukaram Shivayya	SC	SR.AC MECH	SUR	13.08.1980	14.12.1998	30.06.2022	SC		
10	5971330	Yunus Gulab Tamboli	UR	SR.AC MECH	SUR	30.03.1969	09.06.1997	30.06.2022			
11	6104501	Periyaswamy Kashi	SC	SR.AC MECH	SUR	10.11.1985	04.09.2006	18.07.2023	SC		
12	8162074	P V R.Murthy	UR	SR.AC MECH	SUR	03.07.1969	16.06.1999	18.07.2023			
13	6003205	Yogesh P Shinge	SC	SR.AC MECH	SUR	19.03.1985	30.07.2011	18.07.2023	SC		
14	6004556	Atish Jadhav	UR	SR.AC MECH	SUR	12.10.1982	27.04.2012	18.07.2023			
15	506004611	Ambadas S. Sungar	UR	Ac Mech I	SUR	02.04.1984	03.05.2012			RRC	214/19