

## SOUTH CENTRAL RAILWAY



No.SCR/P-SC/210 (a)/EL/JE/ M/LDCE

Office of the  
Divl.Railway Manager,  
Personnel Branch, 4<sup>th</sup> Floor,  
Sanchalan Bhavan, Secunderabad.  
Date:21.02.2022

Sr.DEE/M/SC,  
All SSE's of Electrical (GS) Department.

### NOTIFICATION

Sub: - Formation of panel for filling up of the post of JE/M in Level-6 of 7<sup>th</sup> CPC pay matrix against 25% LDCE quota in Electrical (GS) Department of Secunderabad Division - Reg.

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1. It is proposed to conduct a selection for formation of panel for promotion to the post of JE/M (Non-AC) in Level-6 of 7<sup>th</sup> CPC pay matrix against 25% Limited Departmental Competitive Examination (LDCE) quota in Electrical (GS) Department of Secunderabad Division.

The details of vacancies are as under:

Category	UR	SC	ST	Total
JE (M)	01	NIL	NIL	01

### 2. Eligibility and Service conditions of staff:

- 2.1 All the Technicians-III/Level-2 and above working in PM & TL wings in Electrical (GS) Department of SC Division with minimum three years of service in skilled grades and having the following qualification shall apply:
  - i) ITI/Act Apprenticeship pass in the trade relevant to the post of Junior Engineer/Non-AC in terms of Railway Board's letter No. E(NG)I/99/PM7/17 dated 25.08.2003 (S.C.No.172/2003) (or) 10+2 in Science stream.
  - ii) Degree or Diploma in the relevant branch of engineering required for the post of Junior Engineer/Non-AC in terms of Railway Board's letter No.E(NG)I/99/PM7/17dated 28.07.2003 (SC No.157/2003) are eligible to submit applications to the post of JE/Non-AC.
- 2.2 The volunteering staff should be below the age of 47 years in the case of General/OBC employees and 52 years in the case of SC/ST employees (SC No. 90/2010 & 92/2011)
- 2.3 In terms of Railway Board's letter No. E(NG)I/2005/PM1/52 dated 22.08.2006 (SC No.131/2006) the volunteering staff should fulfill the service conditions of age and educational qualifications and other service conditions as on the date of notification, i.e. as on 21.02.2022.

Note: In respect of employees who have reported/joined on this Division on Inter Railway Request Transfer/Inter Divisional Request Transfer on bottom seniority the service rendered in the technician category of old unit will also be counted for the purpose of qualifying service for promotion in the new seniority unit provided:

- i) He/she is otherwise eligible to be considered for the selection to Group 'C' post as per extant rules; and
- ii) The category in which he/she was working in the old unit is an eligible category for the selection/post in the new unit also. [Authority PCPO/SC's SC No.41/2006 & 117/2006]

*[Handwritten Signature]*  
21/02/22

### 3. MODE OF SELECTION AND QUALIFYING MARKS

- 3.1 **Professional Ability:** The professional ability of the employees in the field of selection will be adjudged through written test. The employees must secure 60% of marks in professional ability.
- 3.2 The post of JE/M (Non-AC) being a safety one, there will be no relaxation in qualifying marks, for candidates belonging to SC/ST community. They have to obtain minimum of 60% in written test & 60% in aggregate.

Factors / Headings	Max. Marks	Qualifying Marks
Professional ability	50	30
Record of Service	30	-
Total	80	48

- 3.3 Distribution of marks under head of Record of Service.

15 marks	On the basis of grading of APARs/working Reports of preceeding 3 years
10 marks	For Awards/Punishments
5 marks	For Academic/Tech. Qualifications

- 3.4 The final panel will be drawn in the order of merit based on aggregate marks of 'Professional ability' and 'Record of Service'. However, the employees must secure a minimum of 60% marks in 'Professional ability' and 60% marks in aggregate, for being placed on the panel. There will be no classification of candidates as 'Outstanding'. The final panel will also be subject to their being fit in medical classification of B-I.

(Railway Board's Lr.No.E (NG) I/2000/PM1/41, dated 20-08-2003, S.C.No.144/2003)

### 4. Syllabus:

- 4.1 Syllabus for the written examination is enclosed as Annexure 'A'. Option is available for writing the exam in Hindi also.
- 4.2 Sample questions are available on website – [www.scrindianrailway.gov.in](http://www.scrindianrailway.gov.in).
- 4.3 There shall be questions on official language policy & Rules up to 10% of marks. However, it is not mandatory to attempt the same.

### 5. Procedure for written examination:

- 5.1 In terms of Railway Board's letter No.E(NG)I/2018/PM1/4dated 14.12.2018(RBE No.196/2018), PCPO/SC's SCNo.212/2018, the written examination consists of 100% objective and all the questions will be multiple choice only.
- 5.2 There shall be negative marking of incorrect answers. 1/3<sup>rd</sup> of marks allotted for each question will be deducted for wrong answer.
- 5.3 Cutting, over writing, erasing or alteration of any type in the answer will not be accepted. Zero marks will be given for answer having correction or overwriting.
- 5.4 The written examination will be conducted on OMR sheet.

6. **Sample Questions:**

- 6.1 In terms of Railway Board's letter No. E(NG)I-2006/PM1/34 dated 06.11.2006 (PCPO/SC's SC No.196/2006) updated sample questions are made available to the staff concerned on official website of SC Division - www.scr.inidanrailways.gov.in.
- 6.2 It is further advised that there will not be any mandatory limit of questions from the sample questions.
- 6.3 The controlling officer/supervisor has to ensure that the sample questions are circulated to all the eligible staff and holding of selections will not be postponed/delayed due to non-circulation of sample questions.
- 6.4 Sample questions are only indicative in nature but not exhaustive. The examinees are advised to update their knowledge with latest Rules/circulars/policies.
- 6.5 The samples questions so prepared should be updated regularly in accordance with the changing technology and job requirements.

**Date and Venue of Examination:**

7.1 **Important dates:**

Last date of submission of applications	21.03.2022
Date of publication of eligibility list	11.04.2022
Tentative Written Examination date	Will be decided later
<b>Note: There shall be no Supplementary Exam. Since on voluntary basis and no pre promotional training for SC/ST employees since, the post is not meant for SC/ST employees.</b>	

- 7.2 The venue and time of examination will be intimated separately. However, it is advised to the volunteering staff that there will be no supplementary examination to the absentees.

8. **Notifying to the staff:**

- 8.1 The controlling officer/supervisor shall give wide publicity of the notification to all the eligible staff of Electrical (GS) organization of SC Division and notification should be displayed at conspicuous place. It is the responsibility of controlling officer/supervisor to circulate the notification among the staff concerned.
- 8.2 In terms of Railway Board's letter No.E(NG)I-72/PM1/166, dated 26.06.1972, PCPO/SC's S.C.No.213/72, the Senior Subordinate/Supervisor concerned has to furnish a certificate that "the eligible candidates were duly notified of the holding of the test and asked to submit their applications duly giving their willingness" and forward the same to Sr.DPO/O/SC. 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.


9. **How to apply:**

- 9.1 The employees should submit the application in the prescribed format through proper channel enclosed as Annexure 'B'.
- 9.2 The application should be on good quality of A-4 size using one side only.
- 9.3 They should fill up the application form in their own writing with blue or black ball point pen only.

*[Handwritten Signature]*  
21/02/22

- 9.4 All relevant columns in the application should be filled completely & strike out the inapplicable columns and forwarded duly signed by the controlling supervisor/officer wherever required or otherwise same will not be considered.
- 9.5 Employee should paste the recent Photograph on the application which shall be attested by the concerned supervisor.
10. **Last date for submission of Applications :**  
The willing and eligible volunteers have to submit their applications in prescribed proforma to their controlling officers on or before 21.03.2022 who will forward the applications in one bunch to Sr.DPO/SC's on or before (25.03.2022).

Encl: Syllabus (Annexure- 'A') & Application Pro-forma (Annexure-'B')

  
(D. Narasimha)  
APO/M&EL 21/03/22  
for Sr.DPO/SC

ANNEXURE-B

**Application for selection to the post of Junior Engineer(M)/Non-AC in Level-6 against 25% LDCE quota in Electrical (GS) Department of Secunderabad Division.**

(w.r.t this office notification issued under letter No.SCR/P-SC/210 (a)/EL/JE/ M/LDCE

Dated:21.02.2022)

1. Name of the Employee :  
 2. PF Account No. :  
 3. Designation / Station :  
 4. Date of Birth( In Christian Era) :  
 5. Age as on (21.02.2022) :

Affix recent photograph attested by controlling supervisor

Years	Months	Days

6. Community [UR/OBC/SC/ST] :  
 (Write the relevant community in Bold letters in the box)  
 (Certificate to be enclosed)

7. Date of Initial Appointment/Station/Dept./Divn./Rly:

Category	Date of Appt	Station	Dept	Division	Railway
As Technician Gr.III(PM/TL)					
As Technician Gr.II(PM/TL)					
As Technician Gr.I(PM/TL)					
As Sr. Technician(PM/TL)					

8. Total Length of service in Technician Gr.III and above: \_\_\_\_\_ Years \_\_\_\_\_ Months \_\_\_\_\_ Days.

9. Educational Qualifications :

Copies of Certificates to be enclosed

10. Awards conferred during the last three years (if any):

Awards conferred during the last three years.	2018 - 2019	2019-2010	2020-2021
Divisional Level(DRM Level)			
Headquarters level/PHOD/HOD			
GM/Railway Board's level			

11. Penalties imposed during last three years (if any)

Penalties imposed during last three years.	2018 - 2019	2019-2010	2020-2021
Minor			
Major			

12. Any other relevant information:

13. Contact Number:

(Office) \_\_\_\_\_ (Mobile) \_\_\_\_\_

**Declaration:** I hereby declare that the particulars furnished above are true, complete and correct to the best of my knowledge and belief. I understand that, if at any stage it is found that the information furnished is false, incorrect or I do not satisfy/ fulfill the eligibility criteria, my candidature/ appointment on promotion is liable to be cancelled besides liable for disciplinary action as per rules. I have read contents of the notification and agree to abide by the rules, regulations and procedure prescribed for promotion to the post of Junior Engineer(M).

Date:  
Station:

Signature of the Employee  
Name:  
Designation:

**( For use of the Controlling Supervisor of the employees)**

Letter No.

Date:

It is certified that the particulars furnished by the employee are verified with the records available in this office and found to be correct. He/She fulfills the eligibility criteria as stipulated in the Notification.

The application is forwarded to Sr.DEE/M/SC for further necessary action please.

Date:  
Station:  
Seal:

Signature of the Controlling Supervisor  
Name of the Supervisor  
Designation

**(for use of the Controlling Officer of the employees)**

Letter No.

Date:

Forwarded to Sr.DPO/SC for further necessary action

1.Verified and counter Signed.

2.Certified that there are no DAR/SPE/Vig. Cases pending /contemplated against the above employee.

( In case any DAR/SPE/Vig. Cases pending against the above employee the details shall be indicated)

Date:  
Station:  
Office Seal

Signature of the Controlling Officer  
Name :  
Designation and stamp

**SYLLABUS FOR SELECTION TO THE POST OF JE/M (Non-AC) IN  
PB I: Rs.9300-34800 + GP: Rs.4200/-AGAINST 25% LDCE QUOTA  
IN ELECTRICAL (GS) DEPARTMENT ON SC DIVISION.**

1. Principles of Electrical Engineering, Ohm's Law, Calculation of Current Voltage, Resistance and Power Factor.
2. Principles of various types of DC Motors, their maintenance, testing, overhauling and fault location.
3. PVC wires and cables, their sizes and their current rating capacities (Aluminium and Copper)
4. Calculation of Energy Bills (HT), Earthing, measurement of earth resistance and insulation.
5. Knowledge of safe working as per IE Rules.
6. Maintenance of schedules of 11KV/440 Volts Sub-station and transformer.
7. Maintenance of AC /DC Motors, Single Phase, and 3 Phase their operations and maintenance.
8. Maintenance of AC Motors with starters and their connection diagram (D.O.L. and Star & Delta). Trouble shooting and rectification.
9. Coach Wiring diagram, working of alternators, regulator and their maintenance.
10. TL System: Coach wiring diagram, working of alternators / Regulators and their maintenance schedules.
11. Principle and working of VRLA/LMLA battery and their maintenance schedules. Initial charging of LMLA battery.
12. Fire prevention measures in AC/TL coaches.
13. Different types of pumps used in Railways, their application and Maintenance schedules.
14. Principle of refrigeration & Air conditioning system, of Window / split AC Units, water coolers and their maintenance schedules.
15. Operation and maintenance of switchgears , maintenance schedules of MDBs, SDBs, trouble shooting of defects/failures which occur due to wear and tear etc,
16. Principle of operation of power contractors motors, starters, timers, circuits.
17. Operation of 4.5 KW Alternator, V Belts, Electronic Regulator cum Rectifier Unit (ERRU) , various auxiliary components in TL Coaches.
18. Rajbhashan Implementation & rules, Establishment, Stores Procedure and DAR Rules.

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M. A. R.

वरिष्ठ मंडल विद्युत इंजीनियर (अभ्युत्थान),  
Senior Divisional Electrical Engineer (Maint)  
मि. मंडल, व. म. रतवे, वि. वि. वि. वि.  
SC Division, S. C. Div. Secunderabad