



## Modern Coach Factory, Raebareli

Office of the  
General Manager (P)

No. E/NG-III/MCF/RBL/JE/Elect/25% PQ

Dated 11.08.2021

### NOTIFICATION

**Sub: Selection for filling up the vacant 08 (UR=08, SC=00, ST=00) posts of JE/Elect., in Pay Matrix, Level-6 (G.P-4200/-) against 25% (DP) Departmental Promotion Quota.**

- Ref: i) Railway Board's L. No. E(NG)I-2008/PM1/15 dated 03.09.09 (RBE No.161/2009)  
ii) Railway Board's L. No. PCVI/2011/IC/1 dated 12.09.2013 (RBE No. 95/2013)  
iii) Railway Board's L. No. E(NG)I-1999/PM7/3 dated 24.02.2014 (RBE No. 21/2014)  
iv) Railway Board's L. No. E(MPP)-2019/3/44 dated 27.01.2020 (RBE No. 10/2020)  
v) Railway Board's L. No. E(NG)I-2018/PM1/4 dated 14.12.2018 (RBE No.196/2018)  
vi) Railway Board's L. No. E(NG)I-2018/PM1/4 dated 14.06.2019 (RBE No.97/2019)  
vii) Railway Board's L. No. E(NG)I-2018/PM1/4 dated 14.11.2019 (RBE No. 194/2019)  
viii) Railway Board's L. No. E(NG)I/2019/PM1/20 dated 19.12.2019 (Master Circular 31)  
ix) Railway Board's L. N. 88-E(SCT)I/42/2 dated 08.04.1991(RBE 71/91).  
x) Railway Board L. N. E(NG)I-75-PMI-44 dated 31.05.1982.

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It has been decided to hold a selection for forming a panel of 08 {(UR=08, SC=00, ST=00) (02 Higher Grade Vacancies (02 UR Anticipated)) nos. of post of JE/Elect in Pay Matrix, Level-6 (G.P-4200/-) against 25% (DP) Departmental Promotion Quota in Electrical Department.

**No. of Posts :- 08 (UR=08, SC=00, ST=00)**

1. Staff in the category/grade of Sr. Technician in pay Level-6 GP-₹4200/- working in Electrical Deptt. with 02 years of regular service on the date of notification are eligible for above selection in order of seniority. If Sr. Technicians in pay Level-6 GP-₹4200/- are unwilling to seek promotion in this selection, or requisite number of eligible Sr. Technicians are not available, then Tech-I in Pay Level-5 GP-₹2800/- who have completed two years regular service, will be considered eligible for above selection in order of seniority. Senior most candidates will be called for selection on 1:3 formula as per inter-se-seniority amongst the candidates, who will opt to appear in the selection.  
{Authority: Rly. Board's letter No. PCVI/2011/IC/1 dated 12.09.2013 (RBE No. 95/2013), L. No. E(NG)I-1999/PM7/3 dated 24.02.2014 (RBE No. 21/2014) & Master Circular 31 Para 7.2}
2. The list of probable candidates coming under zone of consideration is included as main list "A" in Annexure-I. In case any of the candidates has objection in the eligibility list, the same may be reported to this office **within 15 days** from the date of issue of this notification.

Continued.....

.1.

*[Signature]*  
11.08.21  
APO/ST/AA

3. The willingness/unwillingness to appear in the above selection must be submitted by 26.08.2021 to the undersigned in the prescribed proforma enclosed as Annexure-II. In case unwillingness of some of the employees listed in Annexure-I to appear in the subject selection is received, a second List "B" of eligible employees will be issued calling for willingness to make up the short fall of eligible candidates as per 1:3 formula.
4. Empanelled candidates in the above written selection will be required to undergo medical examination, if required and will have to undergo training for a period of 13 weeks as prescribed for DP quota at TTC, which is mandatory; failing which name will be deleted from the panel. During the training period they will get the salary/stipend as admissible under extant rules. {Authority: Rly. Board's letter No. E(MPP)-2019/3/44 dated 27.01.2020 (RBE No. 10/2020)}
5. Candidates who will pass in the final examination after the above training will be promoted as JE/Elect. in Pay Level-6 (GP-₹ 4200/-) and posted against working posts as per vacancy.
6. Examination will be held in the form of written test. The time of written examination will be 120 minutes and all the question will be of objective type, out of which 10% questions will be from the Rajbhasha. There shall be no negative marking for incorrect answers. There will be supplementary examination for those who fail to appear in the written examination for valid reasons and circumstances beyond their control. Such candidates will have to submit application within three days of the written examination with documentary evidence. Their candidature for supplementary examination will be decided by the competent authority on merit of the case.  
{Authority: Rly. Board's letter No. E(NG)I-2018/PM1/4 dated 14.12.2018 (RBE No.196/2018), L. No. E(NG)I-2018/PM1/4 dated 14.06.2019 (RBE No.97/2019), L. No. E(NG)I-2018/PM1/4 dated 14.11.2019 (RBE No. 194/2019) & Master Circular 31 Para 7.3}
7. Above Selection will comprise of written examination followed by scrutiny of service record and APARs of the candidate who will qualify in the written test. The candidates must secure 60% of marks in professional ability as well as in the aggregate. There is no reserve post for SC/ST, so no relaxation in qualifying marks, for candidates belonging to SC/ST community will be allowed. They have to obtain minimum of 60% in written test and 60% in aggregate on par with UR employees for empanelment against UR vacancies. The panel will be formed strictly in order of seniority.  
(Authority: Master Circular 31 Para 8)
8. In terms of instructions contained in Railway Board's L. N. 88-E(SCT)I/42/2 dated 08.04.1991(RBE 71/91), Pre-selection/Pre-promotional training to SC/ST employees is to be conducted covering the syllabus of the examination for selection to safety category post. In terms of Railway Board L. N. E(NG)I-75-PMI-44 dated 31.05.1982 all post of production unit are non safety. However, as per past practice in MCF/RBL, 03 weeks pre-selection coaching will be imparted to the candidates belonging to SC/ST category as per syllabus of the selection.
9. The date, venue and time of written examination will be intimated separately. All the willing candidates are advised to keep themselves in readiness to appear in the written test at a short notice.

10. The syllabus of the written examination for this selection is enclosed herewith as Annexure-III.
11. The Incharge/Controlling Officers of the candidates listed in Annexure-I are requested to circulate the notification for wide publicity amongst the staff working under their administrative control.
12. This Notification is also available on MCF/RBL website <https://mcf.indianrailways.gov.in/>

  
(D. S. Meena)

Assistant Personnel Officer/Staff  
MCF, Raebareli

DA: As Above.

Copy to:-

1. Secy. To GM/MCF/RBL : for Kind information to GM/MCF/RBL
2. PCEE/MCF/RBL.
3. CAO/MCF/RBL, CEDE/MCF/RBL.
4. All Dy. HOD/Elect. Deptt./MCF/RBL.
5. SPO/Bills & IT: to upload in the website/Mobile APP of MCF/RBL (<https://mcf.indianrailways.gov.in/>).
6. Principal/TTC/MCF/RBL with the request to make preparation for imparting pre-selection coaching to reserved community candidates as per syllabus.
7. Cadre Dealers/Elect.: They are directed to intimate those candidates who are currently on deputation & their lien being maintained at MCF.
8. All Notice Boards of Main Admin, Mini Admin & Shop Floor.
9. General Secy./SC/ST Association, General Secy./OBC Association/MCF/RBL.
10. CS&WLI, S&WLI/MCF/RBL

**Probable List of Candidate under zone of consideration for selection to the post of JE/Elect. In Pay Matrix, Level-6, (GP-4200) against 25% (DP) Departmental Pormotion Quota.**

**List "A"**

S N	EMP No.	NAME(S/Sh)	FATHER'S NAME	CAT	DOB	DOA (Regular)	GP	DOP Regular in GP 4200	DOJ RCF /Raebareli	REMARKS
1	350130	KAILASH C MEENA	LOHRI RAM MEENA	ST	01-07-1980	28-02-2006	4200	01.11.2013	26-04-2011	
2	350110	MANOJ SHAH	BABAN SHAH	ST	10-03-1984	01-03-2006	4200	01.11.2013	08-04-2011	
3	350093	MOHAN LAL MEENA	RAM JI LAL MEENA	ST	01-01-1985	28-02-2006	4200	01.11.2013	11-04-2011	
4	350520	DAROGA LAL	SHIVASARAN RAM	SC	01-07-1972	25-01-2006	4200	23.11.2014	04-09-2012	
5	350106	MOHAN SINGH	BHAGWAM SINGH	ST	15-07-1982	04-03-2006	4200	01.09.2016	08.04.2011	
6	350089	BABU LAL	RAM PHOOL	ST	20-04-1983	01.03.2006	4200	01.09.2016	08-04-2011	
7	350623	DHIRENDRA K SINGH	SHITLA PRASAD SINGH	UR	27-06-1965	20-06-1991	4200	01.09.2016	27-09-2012	
8	350074	GANESH LAL DINDOR	SHANKER LAL DINDOR	ST	20-07-1981	04-03-2006	4200	01.09.2016	11-04-2011	
9	350445	MAN MOHAN MEENA	KISHORI LAL MEENA	ST	12-12-1985	03-09-2007	4200	01.09.2016	13-08-2012	
10	350695	RAMESH CHAND MEENA	HARKISHAN MEENA	ST	05-08-1970	06-11-2006	4200	01.09.2016	05-11-2012	
11	351147	SRI KANT GUPTA	PANCHU RAM GUPTA	OBC	02-04-1975	02-09-2004	4200	01.09.2016	28-06-2013	
12	350125	GOPICHAND MEENA	BHORI LAL	ST	04-07-1974	18-01-2007	4200	01.09.2016	11-04-2011	
13	350248	MAHAVEER P MEENA	RAMNIWAS MEENA	ST	01-07-1981	28-09-2007	4200	01.09.2016	28-02-2011	

*Mees*  
11-08-21  
APO/S/...

**Probable List of Candidate under zone of consideration for selection to the post of JE/Elect. In Pay Matrix, Level-6, (GP-4200) against 25% (DP) Departmental Pormotion Quota.**

**List "A"**

S N	EMP No.	NAME(S/Sh)	FATHER'S NAME	CAT	DOB	DOA (Regular)	GP	DOP Regular in GP 4200	DOJ RCF /Raebareli	REMARKS
14	350163	ARVIND TOPPO	SOMRA TOPPO	ST	12-10-1984	28-09-2007	4200	01.09.2016	03-05-2011	
15	350233	FRANCIS TIGGA	POULUS TIGGA	ST	01-05-1983	28-09-2007	4200	01.09.2016	03-05-2011	
16	350430	UMA SHANKAR VISHWAKARMA	BHAGAWANDIN	OBC	18-08-1984	29-06-2005	4200	01.09.2016	02-07-2012	
17	352460	KRISHAN BIR SINGH	NIHAL SINGH	SC	31-01-1979	26.06.2008	4200	29.12.2017	21.04.2017	
18	350591	DEONATH NIRMAL	BAIJNATH NIRMAL	SC	27-02-1979	08.05.2001	4200	09.10.2017	05-10-2012	
19	350708	MANTU RAM MEENA	BHOUM SINGH MEENA	ST	10-08-1983	22-08-2007	4200	14.12.2018	05-11-2012	
20	350799	SAMBHUNATH ORAON	CHHOTU URAON	ST	01-01-1973	20-09-1997	4200	14.12.2018	10-12-2012	
21	350661	KRISHNA KUMAR YADAV	RAM ABHILAKH YADAV	OBC	14-06-1982	21-11-2006	4200	14.12.2018	08-10-2012	
22	350356	PAWAN KUMAR	KANAHYA LAL	OBC	05-12-1979	17-02-2006	4200	14.12.2018	20-04-2011	
23	350055	JAI RAM MEENA	BASANTA RAM MEENA	ST	15-07-1977	24-10-2007	4200	14.12.2018	15-03-2011	
24	350040	SHIVRAJ MEENA	HARBHAJAN MEENA	ST	07-08-1976	20-07-2008	4200	14.12.2018	15-03-2011	

*MCS*  
11-08-24  
Apo/ste/A

**WILLINGNESS/UNWILLINGNESS PROFORMA**

Sub: Application for appearing in the written examination for Selection to the post of JE/Elect., in Pay Matrix Level-6 (GP- 4200/-) against 25% (DP) Departmental Promotion Quota.

Ref: Notification No. E/NG-III/MCF/RBL/JE/Elect./25% PQ dated 11.08.2021.

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I express my willingness/ unwillingness to appear in the written examination for promotion to the post of Junior Engineer/Elect. in Pay Matrix Level-6 (GP- 4200/-) against 25% (DP) Departmental Promotion Quota.

Signature .....

Name :

Emp. No. :


Desig./Trade :

Mobile No.

Date:

**Signature of the Controlling Officer  
with designation and date**

**APO/Staff**

  
11.08.21  
APO/Staff

कार्यालय  
प्र. मुख्य विद्युत अभियंता  
आरेडिका, लालगंज/रायबरेली

सं.MCF/RBL/CEE/Sel./Prom/JE/Electl.

दिनांक: 05.08.2021

विषय: विद्युत विभाग में 25% पदोन्नति कोटा के तहत कनिष्ठ अभियंता (वेतन लेवल 06) के पद पर पदोन्नति हेतु पाठ्यक्रम उपलब्ध कराने के संबंध में।

संदर्भ: कार्मिक विभाग का पत्र सं.E-4/Elect/MCF/RBL/Promotion-25% PQ /2016  
दिनांक: 28.07.2021।

उपरोक्त संदर्भित पत्र के संदर्भ में, 25% पदोन्नति कोटा के तहत कनिष्ठ अभियंता/विद्युत (वेतन लेवल 06) के रिक्त पदों पर पदोन्नति हेतु लिखित परीक्षा हेतु पाठ्यक्रम पत्र के साथ संलग्न है।

आपके सूचनार्थ एवं उचित कार्यवाही हेतु।

संलग्नक: यथोक्त।

  
उप मुख्य विद्युत अभियंता/पीएस व मुख्या.

सहा. कार्मिक अधि./स्टाफ

## SYLLABUS FOR SELECTION OF JUNIER ENGINEER ELECTRICAL PAY LEVEL-06 AT

MCF/RBL 25% P8

## SECTION-A

1.	Attendance procedure, work order allocation, staff booking, leave and absence records, procedure for workshop staff and line staff.
2.	Procedure for reporting Electrical Accidents, Hurt on duty and other accidents while on duty.
3.	Leave rules - types of leave admissible, procedure of granting different types of leave, leave admissible to female employees. Pass rules - different types of passes and their admissibility.
4.	The Railway Services (Conduct) Rules, 1966 - Suspension, minor and major penalties.
5.	Drawl and issue of stock and non stock item. Preparation of stock & non-stock requisition. Records maintained for accountal of store. Procedure of reporting theft of stores and disposal of store. Supply chain management. Procedure of procurement of material through GeM.
6.	Important provision of Factory act for compliance in shop floor. Provision of contract labour (Regulation and abolition) Act to be checked in works/Service contract. Working knowledge of Workmen Compensation Act and HOER.
7.	General Engineering Mathematics.
8.	GCC and works & service contract management.
9.	Basics of IT and computer science.

## SECTION-B

1.	Air Conditioning plant (Stationary): Procedure of installation, precautions during installation, testing of split and window air conditioner and HVAC system, checking of protective devices provided, common faults and troubleshooting.
2.	Water supply pumps: How to test pump motor, complete pump for proper functioning. Testing of protection system of pumps. Common faults & trouble shooting. Working of automatic control of pumps. Principle of working and equipments details related to: Electrical machines-motors, generators, transformers, alternators, capacitor, switch gear and relays. Electrical drives and control gear.
3.	Diesel generating sets- Maintenance schedule, different checks required for trouble free operation of DG, parallel operation, Common fault and trouble shooting.
4.	Lighting- Types of light fittings provided in MCF their nameplate details. Procedure of testing of light fittings to identify defective component. Photo electric control.
5.	Procedure of earth testing, connection of earth resistance tester, measurement of earth resistance, frequency of measurement, permissible limits of values of different earth of pits. Code of practice for lying underground cables. Fault locating and rectifying cable fault.
6.	Important checks to be carried out in service building, Railway quarters and 132KV/ 33KV/ 11 KV electrical substations as per IE rules. Safety requirement under IE rule, permit to work and procedure for taking electrical shutdown, precaution taken while working on different types of electrical installation and equipments..
7.	Power factor improvements, energy conservation practices, photovoltaic system. Energy audit of any Electrical installations. Energy management system ISO 50001:2018. Basic Electrical and Electronics Engineering.

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8	LHB coaches
8.1	Testing procedure of different types of LHB coaches. Testing of electrical installations on coaches. How to carry out coach testing in different stages.
8.2	Electrical and fire safety features provided in different types of LHB coaches. How to test these features. Fire prevention measures against fire of electrical origin in coaches.
8.3	Principle of working and use of electrical measuring instruments and metering system. Measurement of different parameters using these instruments.
8.4	Procedure of checking of composite pantry car.
8.5	Procedure of load testing of Power Car.
8.6	Procedure of stage-III wiring and stage-IX connection of various types of coaches and power car.
8.7	Items of quality checks in various types of coaches and Power Car.
8.8	Method of WSP commissioning, testing and checking.
8.9	Various mechanical and Electrical clearances required to be checked during complete furnishing of coach.
8.10	Elementary knowledge of transistor, GTO, IGBT, MOSFET, inverter, SCR, sensor, power amplifier.
9	Basics of Distributed Power Rolling System in Indian Railways.
10	Electrical Mill Wright - Maintenance schedule, Safety Checks, Common trouble shooting of EOT Cranes, traverser, Synchronized screw jack. Procedure of checking of power and control circuits of conventional, PLC based, VVVF based drives. Ratings and switchgear provided in welding plants. Identification of defect in electrical machines.
11	Types of fire fighting equipment, their use in electrical fire. Operation of fire fighting equipment. Electrical shock treatment procedure.
12	संघ के राजभाषा नियम 1976 एवं रेलवे में उसका कार्यान्वयन पर सामान्य ज्ञान।

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05-08-21

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