

Metro Railway / Kolkata

Office of the
Principal Chief Personnel Officer

No. MRTS/E.328/2/Promotion/JE(DPQ)

Date:29/11/2024

All HOD / Dy.HOD of Electrical Department
Metro Railway, Kolkata

NOTIFICATION

Sub : Selection for the post of Junior Engineer / Electrical in Level-6
in the Electrical Department against 25% Promotional quota(DPQ)

No. of vacancies = 11 (UR-08, SC-02, ST-01, PwBD = 01 against Horizontal reservation)

It has been decided by the competent authority to hold a selection to form a panel for filling up of 11 vacancies (UR-08, SC-02, ST-01 & PwBD=01) of Junior Engineer/Elect. in Level-6 in the Electrical Department, Metro Railway, Kolkata against 25% Promotional quota(DPQ).

Employees who are eligible and within the zone of consideration in ratio of 1:3 to attend in written examination is enclosed in Annexure-I & Annexure-II(standby list) may be alerted to be in readiness to appear in written examination which will be held shortly. The employees in Annexure-II shall be considered only if sufficient willing candidates are not available from Annexure-I.

Eligibility Criteria :

Sr. Technician(L-6) and Tech.-I(L-5) in the Electrical Department with 02(two) years regular service at the time of actual promotion.

Mode of Selection:

(1) Professional ability: The Professional ability will be adjudging through Written Test. The candidate must secure minimum 60% marks in the written test for being considered for further selection process. The post of Junior Engineer/Elect. being classified as Safety Category Post and there is no relaxation in qualifying marks to employee belonging to the SC/ST category and hence they are also required to secure 60% marks in the written test. There will be no provision of ad-hoc promotion under "Best among fail scheme" for reserve category candidates against reserve vacancies.

(2) The examination may be conducted in CBT mode or pen & paper test (OMR sheet). The written test will be 100% objective type multiple choice question having four options. In case of pen & paper test the answers are to be marked on OMR answer sheet. There will be 110 questions out of which candidates have to answer maximum 100 questions. 10% of the total marks will be from Official Language policy which will be optional. In case a candidate answers more than 100 questions first 100 attempts are to be taken for evaluation. Cutting, overwriting, erasing or any type of alteration in the answer will not be accepted. Zero mark will be given for answer having correction or overwriting. For each correct answer one mark will be given. No credit will be given to un-attempted question. There will be no negative marking [RBE No. 194/2019] in selection against departmental quota where panel is arranging in order of seniority from those qualified. Blue colour ball pen is to be used in the examination. The duration of the examination will be 120minutes.

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(3) Distribution of Marks: Professional ability of the employee will be adjudged through written test only. Candidates who will secure minimum 60% marks in the written test will be considered for further selection process (scrutiny of Service Records & APARs). Record of Service will be assessed based on entries in the SR & P/file regarding academic and technical qualifications, awards/punishment etc.

Feature	Full Marks	Qualifying Marks
Written Test	70	42
Educational Qualification	10	18
Awards / Punishment	05	
APAR	15	
Total	100	60

(4) The base marks under the heading of SR will be taken as 03 for all candidates. Award / Merit certificate at the level of PHOD/GM/Board in the last three years, maximum 01 mark for each award will be taken. Penalty during the last three years under consideration, 01 mark to be deducted for each major penalty and ½ mark to be deducted for each minor penalty. Maximum marks under this head should not exceed 05.

Marks will be allotted for educational qualification as under:

Educational Qualification	Marks allotted
Post Graduate in any stream / Master Degree	10
Degree in Engineering / Graduation(Pass / Hons.)	09
Diploma in Engineering	08
HS(10+2) / Intermediate	07
Matriculation / ITI	06

Procedure for drawl of Panel:

(5) The names of the selected candidates will be arranged in order of seniority but those who securing total 80% or more in the aggregate will be considered as outstanding and placed in the panel appropriately in order of seniority allowing them to supersede not more than 50% of total employees in the field of eligibility in terms of Para-219(h)(i) of IREM Vol.-I (ACS No.66).

(6) Empanelled candidates in the above selection will be required to undergo medical examination. Final empanelment shall be subject to passing of Medical standard of A-3(Aye three) category. Candidates will also undergo in service training for a period of 13weeks[RBE No.10/2020] as prescribed for promotee JE(Elect) which is mandatory **failing which names will be deleted from the panel**. During the training period they will get the salary on the basis of their substantive cadre pay of the post held before being sent on training. Candidates who will pass the final examination after completion of the above training will be promoted as JE/Elect in Level-6 and posted as per vacancy.

Syllabus: The syllabus for selection for the post of Junior Engineer/Electrical against 25% DPQ is enclosed at Annexure-B.

Date of Examination: The date, time & venue of the examination will be intimated separately. However, it is to be advised to the listed staff under Annexure-I & II, to be kept themselves in readiness for selection that there will be no supplementary examination to the absentees.

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It will be personal responsibility of the Supervisors that all the employees in the field of eligibility as listed in Annexure-I&II who are alerted to be in readiness to appear for the selection (i.e. all those whose names appears in the Annexure-I & II) should be advised individually of the proposed selection and collect their willingness or unwillingness to appear in the selection in the declaration form as per format enclose (Annexure-A) and forwarded the same to APO/IC through their controlling Officer before **16.12.2024**. All stand byes should also be intimated in readiness for the written test, in case any unwillingness is received from annexure-I they will be called for.

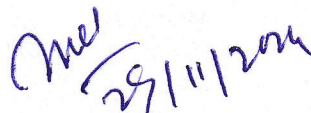
The tentative dates for the above selection.

Date of Notification	29.11.2024
Willing / Unwilling receiving date in branch office	12.12.2024
The above willing / unwilling forwarding to P./Branch	16.12.2024
Eligibility list will be published on	24.12.2024
Pre promotional training for reserved candidates	Three weeks
Date of written test	06.02.2025
Date of declaration of panel	14.02.2025

Notifying to the listed staff: The Supervisors / In-charge / Controlling Officers are requested to circulate the notification amongst the staff working their control and on receipt of the willingness / unwillingness the same may be sent to the undersigned on or before the cutoff date, i.e. **16.12.2024**.

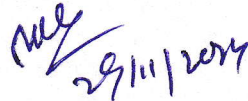
Please acknowledge.

Encl: Annexure A, B, I & II


(S. K. Maity)
Dy. Chief Personnel Officer

Copy to:

OS/Confidential: is requested to kindly form a selection committee for conducting selection for the post of Junior Engineer/Electrical against 25% Departmental Promotional Quota.


Dy. Chief Personnel Officer

Declaration

I am in receipt of Notification No. MRTS/E.328/2/Promotion/JE(DPQ) dated 29/11/2024 issued with respect to selection for the post of Junior Engineer (Electrical) in Level-6 against 25% Departmental Promotional quota and alerting me for the written examination.

I am willing / unwilling (strike out one) to appear in Written examination for the above selection.

Signature :

Name :

Designation :

Employee / PF Number :

Mobile No. :

Date:

Place :

Forwarded to APO/IC, M. Rly. /Kol
Signature of the Supervisor

Name:

Designation:

Date:

Place:

Counter Signature of the Controlling Officer
with Designation & office seal

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Syllabus for Selection of JE/Elect against 25% Promotional Quota

PART – A
Mathematics
Arithmetic, Ratio & Proportion, Percentage, Profit & Loss, Simple Interest, Work & Time, Distance & Time
Linear & Quadratic Equation, Linear Equation with two variable
Trigonometry with simple problems of Height & Distance
General Science
Mass & Weight, Heat, Light, Acid, Alkaline, Properties of Gases
General Knowledge & Current Affairs
Facts about India and salient News of last two years
General English
Article, Parts of speech, Make Sentences
Safety
Basic information about Safety equipment, Personal safety, PPE, Electrical accidents & preventive measures
Railway Establishment Rules
Railway Administration, Various Departments in Railways, Leave & Pass Rule, DA Rule, HOER, Budget / Stores
Rajbhasha
PART – B
Indian Railway, Metro Railway / Kolkata, Electrical department: Organization, Rolls & responsibilities
Basic Electrical Engineering
Concept of Voltage, Current, Resistance, Capacitance, Impedance, Power, Energy, Ohm's Law, Faraday's Law, Induction Law, Flemings L.H. & R.H. Rules, Kirchhoff's Law, Joule's Law etc.
Basic properties of electrical material, Concepts of Tools & Plants, Measuring Instruments and materials uses in Rakes and other area of Electrical department, CGS, FPS & MKS/SI system
Rolling Stock
Type of Rake in Metro Railway, Rake formation, Significance of 4-digit Coach Number, Names, location & function of Major equipment of Metro Rakes (Traction Motor, Motor Compressors set, Inverters, Auxiliary Power Supply Unit & Traction Converter Unit, RMPU, HSCB, Batteries, cab equipment, Pneumatic equipment, Mechanical equipment, Maintenance schedule of Metro Rakes, Safe working method in rakes).
Maintenance Wing
Basic knowledge of Sub-station, AV & 750V DC system of Metro Railway. Importance of earthing in electrical system. Central Air Conditioning Plant. Package unit, Window & Split type, ventilation System of Metro Stations. Emergency light at Station. Maintenance practice of AV & Lighting System. HV/LV equipment of Sub-station, Third Rail, Pump Section.
Importance of Batteries in Sub-station, Importance of protective device like MCCB, MPCB, MCB, RCCB. Fuses etc. in electrical system.
Power supply arrangement of N-S & E-W Metro, 3rd Rail System, Power Block, Circuit Breaker. HSCB, OVPD / SCD, Colour Codes of different types of power cables. Basic knowledge of H.V./L.V. cables & wires. Safe working method in 750V DC System.

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Annexure-I

**Main list of employees who are to be alerted for selection to the post of
Junior Engineer / Electrical in Level-6 against 25% PQ**

Slno.	Name (Sri / Smt. / Kum)	Community	Emp. No.	Designation
1	Anantadeb Mondal	SC	22199919564	Senior Tech.
2	Suraj Barath Lal	ST	22177701410	Senior Tech.
3	R P Singh	ST	22177701367	Senior Tech.
4	Saji Kumar V R	UR	22199922745	Senior Tech.
5	Chotelal	ST	22199928966	Senior Tech.
6	Pareesh Hansda	ST	22199930006	Senior Tech.
7	Apu Sengupta	UR	22199918870	Senior Tech.
8	Tuhin Gupta	UR	22199923208	Senior Tech.
9	Biswa Ranjan Chakraborty	UR	22199925837	Senior Tech.
10	Kuntal Kumar Mitra	UR	22199925874	Senior Tech.
11	Pradip Kumar Sarkar	SC	22199921509	Senior Tech.
12	Bablu Bala	SC	22199923490	Senior Tech.
13	Bikas Roy	SC	22199924663	Senior Tech.
14	Bhola Ram	SC	22199924780	Senior Tech.
15	Narottam Hati	SC	22199925758	Senior Tech.
16	Niloy Guha	UR	22104529637	Senior Tech.
17	Dibyendu Mukherjee	UR	22199917907	Senior Tech.
18	Subrata Chatterjee	UR	22199919710	Senior Tech.
19	Amitava Mukherjee	UR	22199921960	Senior Tech.
20	Bipin Behari Sen	UR	22199923889	Senior Tech.
21	Md Rukuddin Molla	UR	22199923890	Senior Tech.
22	Tarun Sarkar	SC	22199925849	Senior Tech.
23	Ranjit Sil	UR	22199918950	Senior Tech.
24	Goutam Mondal	SC	22199921492	Senior Tech.
25	Surdarsan Pandit	SC	22199919126	Senior Tech.
26	Sushil Balmiki	SC	22199919126	Senior Tech.
27	R A Ram	SC	22199922125	Senior Tech.
28	Dayal Biswas	SC	22199922885	Senior Tech.
29	Binit Bairagi	SC	22199931450	Senior Tech.
30	Santu Kumar Karak	SC	22177701835	Senior Tech.
31	Bimal Kumar Mandal	ST	22177702098	Senior Tech.
32	Charan Biruly	ST	22177703285	Senior Tech.
33	Ramesh Prasad Gond	ST	22199930316	Senior Tech.

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Annexure-II

Standby list of employees who are to be alerted for selection to the post of
Junior Engineer / Electrical in Level-6 against 25% PQ

Slno.	Name (Sri / Smt. / Kum)	Community	Emp. No.	Designation
1	Gopal Majumder	UR	22199923725	Senior Tech.
2	Chandan Kumar Ghosh	UR	22199923907	Senior Tech.
3	Shyamal Ghosh	UR	22199926416	Senior Tech.
4	Anirudha Dey	UR	22199926600	Senior Tech.
5	Md. Mokhtar	UR	22177701860	Senior Tech.
6	Amiya Kumar Biswas	UR	22199924055	Senior Tech.
7	Narayan Chandra Biswas	SC	22177702001	Senior Tech.
8	Sudhir Biswas	SC	22106159382	Senior Tech.
9	Arnab Das	SC	22109502981	Senior Tech.
10	Ritwik Datta	UR	22177703984	Senior Tech.
11	Moumita Bandopadhyay Hazra	UR	22109800724	Senior Tech.
12	Tushar Kanti Das	UR	22199923555	Senior Tech.
13	Biswajit Chakraborty	UR	22199925862	Senior Tech.
14	Sathi Biswas	SC	22177721962	Senior Tech.
15	Mohammad Salman	UR	22177720544	Senior Tech.
16	Chand Gopal Pal	UR	22177721573	Senior Tech.
17	Md. Rafi Khan	UR	22199917944	Senior Tech.
18	Varshney Vatsayan	SC	22177702025	Senior Tech.
19	Manisankar Mallick	SC	22177702049	Senior Tech.
20	Shyamal Kumar Sarkar	SC	22177702050	Senior Tech.
21	Mangal Sardar	SC	22199929995	Senior Tech.
22	Rajesh Kumar Shaw	SC	22199930158	Senior Tech.
23	Krishna Kumar	SC	22199930328	Senior Tech.
24	Sambhu Nath Mondal	SC	22177701574	Senior Tech.
25	Rishi Kumar Routh	SC	22177701586	Senior Tech.
26	Bidhan Bala	SC	22177724537	Senior Tech.
27	Biswanath Pandey	SC	22177702220	Tech.-I
28	Gobinda Sarkar	SC	22177721652	Tech.-I
29	Manas Halder	SC	22177721690	Tech.-I
30	Kishor Biswas	SC	22177721676	Tech.-I
31	Swapan Mandi	ST	22177720386	Senior Tech.
32	Dharambir Tirkey	ST	22177724367	Tech.-I
33	Santosh Kumar Sah	ST	22177724057	Tech.-I

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