

Cat. No.	Name of the Post	Department	Sub-Department	Rly. / PU	Number of vacancies																
					UR	SC	ST	OBC	EWS	Total	ExSM	R-VI	R-HI	R-LD	R-OD	R-MD	B-VI	B-HI	B-LD	B-OD	B-MD
RRB - GUWAHATI																					
38	CHEMICAL and METALLURGICAL ASSISTANT	MECHANICAL	CMT	NFR	0	2	2	0	0	4	0	0	0	0	0	0	0	0	0	0	0
RRB - PATNA																					
38	CHEMICAL and METALLURGICAL ASSISTANT	MECHANICAL	CMT	RWP	3	2	0	2	0	7	1	0	1	0	0	0	0	0	0	0	0
RRB - PRAYAGRAJ																					
38	CHEMICAL and METALLURGICAL ASSISTANT	MECHANICAL	CMT	NCR	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Grand Total (CMA)					14	8	3	6	4	35	3	0	1	1	0	0	0	0	0	0	0

Note: Due to addition of the above vacancies, the total vacancies of the above RRBs stand modified.

2.5. Syllabus for CMA Exam Group [Annexure-VIII (E)]:

Annexure-VIII (E)	
Syllabus for CMA Exam Group	
S.N.	Subject
1	Measurements, Units and Dimensions, Types of errors in measurements, Significance of accuracy in measurement.
2	Light: Basic principles of light - reflection, refraction, laws of reflection, total internal reflection, interference, diffraction and polarization. Formula for magnification of microscope, telescope. Electro Magnetic spectra.
3	Heat: Heat as energy- sources of heat, Transmission of heat, Expansion of solids, liquids and gases. Temperature (based on thermal equilibrium), Different Scales of Temperature. Calorimetry, Applications of Specific heat, Latent heat. Anomalous expansion of water and its significance in nature. Combustion, Calorific value, specific heat of gases.
4	Sound: Sources of sound. Propagation of sound. Velocity of sound in different media / substances. Characteristics of sound. Reflection of sound, echo, Resonance, Sonar and Doppler effect.

5	Mechanics: Scalars and Vectors. All types of motion. Friction. Newton's laws of motion. Momentum. Equations of motion (under gravity and freely falling), projectile. Range. Laws of Floatation. Work, Power and Energy. Conservation of energy. Center of mass. Centre of gravity. Stability and Equilibrium. Universal law of Gravitation. Relation between 'g' and 'G'. Circular motion, Kepler's Laws. Elasticity and Hooke's Law.
6	Magnetism: Magnetic field, Uniform and non-uniform magnetic fields. Magnetic induction. Magnetic lines of force. Magnetic pole strength, Magnetic moment. Inverse square law of magnetism. Magnetic properties of materials and their classification.
7	Electricity & Electro Magnetism: Electric charge, field, electric intensity, electric potential, potential difference. Simple Electric Circuits. Conductors, Nonconductors / Insulators, Coulomb's inverse square law. Primary and secondary Cells. Ohm's Law - its limitations. Resistances in series and parallel, Emf of a circuit; Specific resistance. Kirchhoff's laws. Relation between electric potential and Electric energy, electric Power (wattage). Heating effect of electric current, and Joule's law. Ampere's law, circular loop and Solenoid. Magnetic force on moving charged particle and long straight conductors. Fleming's left-hand rule, Electric motor. Electromagnetic induction – Faraday's law Electromagnetic flux. Lenz law, Generators and Alternating Currents. Inductance – self, mutual inductance and principles of transformer.
8	Modern Physics: Discharge of Electricity through gases, Cathode rays, Anode rays and their properties; X-rays; Atomic models: JJ Thomson, Rutherford and Bohr's models. Atomic nucleus and its structure. Atomic models: Mass defect; Radio Activity- Discovery, properties of alpha, beta, and gamma radiations. Applications of alpha, beta, and gamma radiations, alpha, beta decays, Half-life period, Isotopes, Isobars, and Isotones. Artificial radioactivity; radio isotopes and their uses in different fields; radioactive series; Chain and controlled nuclear reactions; Fission and fusion of nuclei - atomic bomb and hydrogen bomb.
9	Electronics and Communications: Semi-conductors, diode, p-n junction characteristics. Transistor – pnp & npn characteristics and uses. Zener Diode characteristics. Simple electronic circuits, Logic gates – applications, modulation and demodulation.
10	Matter: States of matter. Elements, Compounds and Mixtures. Methods of separation of mixtures. Chromatography. Behavior of gases; measurable properties of gases; gas laws. Mole concept. Dalton, Avogadro, Berzelius laws.
11	Chemical Reactions: Physical and chemical changes. Types of Chemical reactions; Physical and Chemical properties of various compounds. Chemical calculations. NaOH, Bleaching powder, baking soda, washing soda, and their uses, Plaster of Paris.

12	Acids and Bases, Salts: Strength and uses of Acids & Bases. Neutralization. Nature and uses of different Salts. Water of crystallization. Complex, Neutral and double salts. Oxidation and Reduction, Rancidity. Identification of Acids, Bases– Indicators: Natural, Chemical. PH Scale - Role of PH in daily life-agriculture, medicine. Classification of salts based on affinity to water. Examples of Acidic, Basic, Mixed, Complex, Neutral and double salts. Solutions - Types of solutions; solubility, ionization, Concentration; Oxidation number concept. Balancing of Redox reactions, Calculation of Concentrations. Stoichiometry.
13	Atomic Structure: Electromagnetic spectrum, Atomic spectrum, Characteristics of electron, proton and neutron, Rutherford's model of an atom, nature of electromagnetic radiation, Planck's quantum mechanics, explanation of photo electric effect, features of atomic spectra, characteristics of hydrogen spectrum, Bohr's theory of structure of atom, Bohr's explanation of spectral lines, failure of Bohr's theory, wave particle nature of electrons, de Broglie's hypothesis, Heisenberg's uncertainty principle, important features of the Quantum mechanical model of an atom, Quantum numbers, concept of orbitals, define an atomic orbital in terms of quantum numbers-shapes of s, p and d orbitals, n l x rule, Energies of electronic energy levels (n+l) rule state Aufbau principle, Pauli's exclusive principle and Hund's rule of maximum multiplicity, electronic configuration of atom, explanation of stability of half filled and completely filled orbital.
14	Periodic Classification of Elements: Characteristics of elements in groups and periods. Signification of atomic number and electronic configuration as the basis per periodic classification. Classification of elements into s-block, p-block, d-block, f-block and their main characteristics. Periodic trends in physical and chemical properties of elements. Study of different Groups of periodic table.
15	Chemical Bonding: Ionic and Covalent bonds: Introduction of chemical bonding. Electronic Configuration of Noble gases. sigma, pi bond with examples. Shapes of molecules bond lengths and bond angles in molecules. Hybridization and explanation of H ₂ O, BF ₃ , CH ₄ , NH ₃ etc. molecules. Hydrogen bonding and types of H bonds.
16	Carbon and its Compounds: Need to study of carbon compounds separately. Classification of Organic compounds Hydrocarbons - Alkanes, alkenes, alkynes aromatic and aliphatic compounds with examples. Bonding in Carbon including Hybridization. Allotropes of Carbon. Versatile nature of carbon. Tetravalency, Chains, branches and rings. Catenation, Isomerism. Saturated and Unsaturated carbon compounds. Bonding of carbon with other elements. Functional groups in carbon compounds. Homologous series. Chemical properties of carbon compounds Combustion and Oxidation. Addition reactions. Substitution reaction. Important carbon compounds. Nomenclature organic compounds. Carbohydrates and their classification. Proteins-examples, Oils and fats examples Polythene - Nylon, PVC, Polyvinyl alcohol; Rubber – uses in daily life. Polymers, and other important organic compounds.

17	Environmental Chemistry: Different types of pollutions, acid rains, Ozone and its reactions, effects of depletion of ozone layer, Greenhouse effect and global warming, Green Chemistry as an alternative tool for reducing pollution.
18	Metallurgy: Occurrence of Metals. Minerals, Ores - Examples. Extractions of metals – activity series and related metallurgy, flow chart of steps involved in the extraction of metals from ore. Refining metals, Electrolytic refining, Corrosion – Prevention of Corrosion. Alloys and their uses.

3. **Additional Standard of Medical Fitness** (Addendum to Para 3.0 of CEN):

S. N.	Medical Standard	General Fitness	Vision Standards
4	B-2	Physically fit in all respects	i. Distance Vision: 6/9, 6/12 with or without glasses (power of lenses not to exceed 4D). ii. Near Vision: Sn: 0.6, 0.6 with or without glasses when reading or close work is required and iii. Must pass test for Binocular vision.

Part-B

Due to the inclusion of above additional posts and medical standard as mentioned in Part-A of this corrigendum, the following modifications/ amendments are made to the notice published on the official websites of Railway Recruitment Boards on 13-08-2026: -

S. No.	Item	Page No.	As given in the CEN 04/2026	To be read as/ <i>Modification made</i>
1	Title on Cover Page	1	Recruitment for various posts of Junior Engineer and Depot Material Superintendent.	Recruitment for various posts of Junior Engineer, Depot Material Superintendent and Chemical & Metallurgical Assistant.
2	Syllabus for CMA Exam Group	3	<i>Annexure-VIII (E) is not available in the List of Annexures.</i>	<i>Annexure-VIII (E) added.</i>
3	Title	4	Recruitment for various posts of Junior Engineer and Depot Material Superintendent.	Recruitment for various posts of Junior Engineer, Depot Material Superintendent and Chemical & Metallurgical Assistant.

4	Name of the Post	4	<table><tr><th>Name of the Post</th></tr><tr><td>Various Posts of Junior Engineer and Depot Material Superintendent</td></tr></table>	Name of the Post	Various Posts of Junior Engineer and Depot Material Superintendent	<table><tr><th>Name of the Post</th></tr><tr><td>Various Posts of Junior Engineer, Depot Material Superintendent and Chemical & Metallurgical Assistant</td></tr></table>	Name of the Post	Various Posts of Junior Engineer, Depot Material Superintendent and Chemical & Metallurgical Assistant
Name of the Post								
Various Posts of Junior Engineer and Depot Material Superintendent								
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Various Posts of Junior Engineer, Depot Material Superintendent and Chemical & Metallurgical Assistant								
5	Total Vacancies	4	<table><tr><th>Total Vacancies (All RRBs)</th></tr><tr><td>3993</td></tr></table>	Total Vacancies (All RRBs)	3993	<table><tr><th>Total Vacancies (All RRBs)</th></tr><tr><td>4029</td></tr></table>	Total Vacancies (All RRBs)	4029
Total Vacancies (All RRBs)								
3993								
Total Vacancies (All RRBs)								
4029								
6	Medical Standard B-2	8	Medical Standard B-2 is not available.	Medical Standard B-2 added.				
7	Note (b) of Para 13.3	21	b) The educational qualification for the post of Depot Material Superintendent (DMS) is three years Diploma in Engineering i.e., a candidate with three years Diploma in any of Engineering disciplines, can apply for these posts as applicable. Candidates with educational qualifications not figuring in the above chart and eligible for DMS posts have to choose any one of the above listed Exam Groups, during the registration for online applications of this CEN.	b) The educational qualification for the post of Depot Material Superintendent (DMS) is three years Diploma in Engineering i.e., a candidate with three years Diploma in any of Engineering disciplines, can apply for these posts as applicable. Candidates with educational qualifications not figuring in the above chart and eligible for DMS posts have to choose any one of the above listed Exam Groups other than CMA Exam Group , during the registration for online applications of this CEN.				
8	Footer Name	All pages	CEN No. 04/2026 (JE/DMS)	CEN No. 04/2026 (JE/DMS/CMA)				

Date: 18-08-2026

Chairpersons/Railway Recruitment Boards