

# **Hindustan Copper Limited Recruitment 2026**

## **Study Topics**

### **1. Industrial Safety**

1. Industrial safety
2. Occupational safety
3. Safety management
4. Hazard identification
5. Risk assessment
6. Risk control
7. Industrial accidents
8. Accident prevention
9. Fire safety
10. Fire protection systems
11. Electrical safety
12. Chemical safety
13. Personal protective equipment
14. Emergency preparedness
15. Safety audit
16. Safety inspection
17. Permit-to-work system
18. Confined space safety
19. Work-at-height safety
20. Occupational health

### **2. Geology**

1. Physical geology
2. Structural geology
3. Economic geology
4. Mineralogy
5. Petrology
6. Geochemistry
7. Hydrogeology
8. Ore geology

9. Mineral deposits
10. Exploration geology
11. Geological mapping
12. Core logging
13. Drilling
14. Sampling
15. Geophysical exploration
16. Remote sensing
17. GIS
18. Mine geology
19. Copper ore deposits
20. Resource and reserve estimation

### **3. Electrical**

1. Electrical circuits
2. Electrical machines
3. Transformers
4. Generators
5. Motors
6. Power systems
7. Power generation
8. Transmission
9. Distribution
10. Switchgear
11. Circuit breakers
12. Protective relays
13. HT and LT systems
14. Electrical drives
15. Power factor
16. Energy management
17. Electrical safety
18. Control systems
19. Industrial automation
20. PLC

- 21. Instrumentation
- 22. Preventive maintenance

#### **4. Mechanical**

- 1. Engineering mechanics
- 2. Thermodynamics
- 3. Fluid mechanics
- 4. Heat transfer
- 5. Strength of materials
- 6. Machine design
- 7. Manufacturing processes
- 8. Machine tools
- 9. Engineering materials
- 10. Industrial engineering
- 11. Maintenance engineering
- 12. Pumps
- 13. Compressors
- 14. Boilers
- 15. Turbines
- 16. Bearings
- 17. Lubrication
- 18. Hydraulic systems
- 19. Pneumatic systems
- 20. Material handling
- 21. Mining machinery
- 22. Preventive maintenance
- 23. Breakdown maintenance
- 24. Reliability engineering

#### **5. Civil**

- 1. Structural engineering
- 2. Strength of materials
- 3. Structural analysis
- 4. RCC
- 5. Steel structures

6. Geotechnical engineering
7. Soil mechanics
8. Foundation engineering
9. Surveying
10. Construction materials
11. Concrete technology
12. Building construction
13. Estimation and costing
14. Construction management
15. Highway engineering
16. Water supply
17. Sanitation
18. Environmental engineering
19. Industrial buildings
20. Project planning
21. Quality control
22. Contract management

## **6. Medical and Health Services**

1. General medicine
2. Emergency medicine
3. Occupational health
4. Industrial health
5. First aid
6. Trauma management
7. Cardiovascular emergencies
8. Respiratory emergencies
9. Poisoning
10. Workplace hazards
11. Occupational diseases
12. Health surveillance
13. Medical fitness
14. Preventive medicine
15. Public health

16. Workplace safety
17. Emergency preparedness
18. Medical examination
19. Occupational health standards

## **7. Environment Management**

1. Environmental science
2. Environmental engineering
3. Air pollution
4. Water pollution
5. Soil pollution
6. Noise pollution
7. Industrial pollution
8. Solid waste management
9. Hazardous waste management
10. Wastewater treatment
11. Effluent treatment
12. Sewage treatment
13. Environmental Impact Assessment
14. Environmental monitoring
15. Environmental legislation
16. Sustainable development
17. Resource conservation
18. Climate change
19. Carbon emissions
20. Environmental audit
21. Mine environmental management
22. Mine reclamation
23. Rehabilitation of mined areas

## **8. Mineral Processing**

1. Mineral processing fundamentals
2. Ore characteristics
3. Comminution
4. Crushing

5. Grinding
6. Screening
7. Classification
8. Gravity separation
9. Magnetic separation
10. Froth flotation
11. Leaching
12. Solid-liquid separation
13. Thickening
14. Filtration
15. Concentrate handling
16. Tailings management
17. Mineral beneficiation
18. Copper ore processing
19. Process flow sheets
20. Metallurgical accounting
21. Recovery
22. Grade
23. Mass balance
24. Process optimisation
25. Mineral processing plant operations

## **9. Human Resources**

1. Human Resource Management
2. Recruitment
3. Selection
4. Training and development
5. Performance management
6. Compensation and benefits
7. Employee relations
8. Industrial relations
9. Labour laws
10. Trade unions
11. Grievance handling

12. Discipline
13. Domestic enquiry
14. Welfare measures
15. Personnel administration
16. HR policies
17. Workforce planning
18. Employee engagement
19. HR analytics
20. Performance appraisal
21. Promotion
22. Transfer
23. Leave and attendance
24. Industrial disputes
25. Social security
26. Labour welfare
27. Conduct and discipline

## **10. Finance**

1. Financial accounting
2. Cost accounting
3. Management accounting
4. Corporate accounting
5. Financial statements
6. Balance sheet
7. Profit and loss account
8. Cash flow statement
9. Fund flow statement
10. Ratio analysis
11. Budgeting
12. Cost control
13. Standard costing
14. Marginal costing
15. Taxation
16. GST

- 17. Income Tax
- 18. Auditing
- 19. Internal audit
- 20. Statutory audit
- 21. Cost audit
- 22. Financial management
- 23. Working capital management
- 24. Capital budgeting
- 25. Investment decisions
- 26. Corporate finance
- 27. Risk management
- 28. Financial controls

## **11. Survey**

- 1. Surveying fundamentals
- 2. Chain surveying
- 3. Compass surveying
- 4. Plane table surveying
- 5. Levelling
- 6. Contouring
- 7. Theodolite surveying
- 8. Total Station
- 9. GPS
- 10. DGPS
- 11. Mine surveying
- 12. Topographical surveying
- 13. Engineering surveying
- 14. Geomatics
- 15. GIS
- 16. Remote sensing
- 17. Coordinate systems
- 18. Map projection
- 19. Digital terrain models
- 20. Area calculation

21. Volume calculation
22. Mine plan preparation
23. Survey data processing
24. Survey accuracy
25. Error analysis