

वेस्टर्न कोलफील्ड्स लिमिटेड

(भारत सरकार का मिनीरत्न श्रेणी -1 उपक्रम)

औद्योगिक संबंध विभाग

पंजीकृत कार्यालय: कोल ईस्टेट, सिविल लाइन्स,

नागपुर - ४४०००१

सीआईएन: U10100MH1975GOI018626

वेबसाइट: www.westerncoal.in



Western Coalfields Limited

(A Miniratna Cat-1 Govt. of India undertaking)

INDUSTRIAL RELATIONS DEPARTMENT

Regd. Office: Coal Estate, Civil Lines,

Nagpur - 440001

CIN: U10100MH1975GOI018626

Website: www.westerncoal.in

वेकोलि/औसं/जश/चयन/2026-27/1562

दिनांक : 28.07.2026

प्रति,

क्षेत्रीय महाप्रबंधक,

समस्त क्षेत्र, डब्ल्यूसीएल एवं केंद्रीय कार्यशाला, तडाली

वरिष्ठ प्रबंधक (मा.सं), एसई, आईआर विभाग, डब्ल्यूसीएल

विषय: Syllabus of Aptitude Test for selection of departmental candidates for the posts of Overseer (Civil), T&S Grade C and Legal Inspector, T&S Grade C

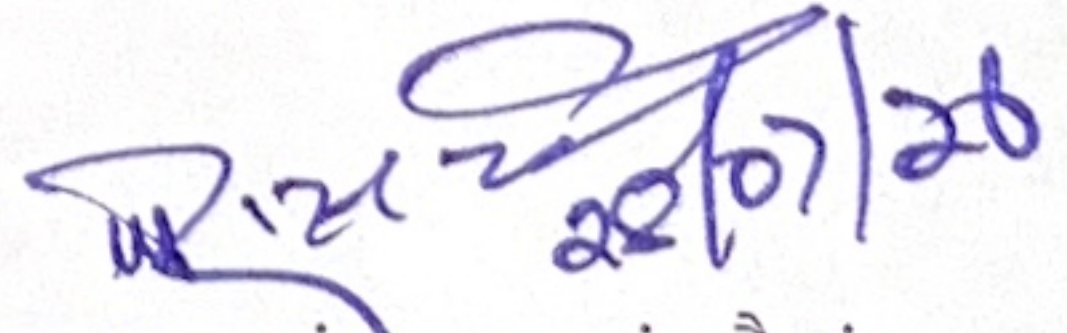
महोदय,

In reference to the Notification No. WCL/IR/MP/SELECTION/2026-27/56 dated 19.06.2026, Syllabus of Aptitude Test for selection of departmental candidates to the posts of Overseer (Civil), T&S Grade C and Legal Inspector, T&S Grade C is enclosed herewith for necessary information to the applicants of your area. It is requested to ensure that the applicants should be informed at the earliest. The Roll no., Venue & Schedule of Aptitude Test of the above mentioned Posts will be communicated shortly.

It is also requested to arrange to send the **Vigilance Clearance** of the applicants to the office of the undersigned at the earliest.

संलग्न: उपरोक्तानुसार

भवदीय


उप महाप्रबंधक (मा.सं/औ.सं)

प्रतिलिपि :-

क्षेत्रीय मानव संसाधन प्रबंधक, समस्त क्षेत्र एवं केंद्रीय कार्यशाला, तडाली

Syllabus of Aptitude Test for the post of Overseer (Civil), T&S Grade C

Part A – General Aptitude (20 Questions)

1. **English:** Parts of Speech, Change of Voice, Direct & Indirect Speech, Common Vocabulary, Sentence Structure, Idioms and Phrases
2. **General Knowledge/Awareness:** Knowledge of current events/affairs and of such matters of everyday observations in our Company
3. **Logical Reasoning:** Arithmetical Reasoning, Number Series, Statements & Arguments, Coding-Decoding, Analogy
4. **Basic Mathematics:** Simple Interest, Height and Distance, Average, Volume and Surface Area, Time and work, Time and Distance, Ratio and Proportion, Square Root and Cube Root, H.C.F. and L.C.M.

Part B – Technical (80 questions)

1. **Building Construction and Materials:** Properties of wet and hardened concrete, test on concrete, factors affecting strength of concrete, water-cement ratio, Nominal Mix and Design Mix, Bricks, Cement, Lime, Mortar, Concrete, Steel, Paints and Varnishes, Steel and Reinforced Cement Concrete Structures, Floors, doors and windows, roofs, water proofing
2. **Design of Reinforced Cement Structures:** Basic concept of RCC, Working Stress method, Design of Beam, Slab, Columns, Retaining Walls, Tanks
3. **Engineering Mechanics:** Forces, Computation of Forces, Equilibrium, Friction, Centroid and Centre of Gravity
4. **Strength of Materials:** Stresses, Strains, Bending Moments, Shear Forces, Bending Theory of Beams, Deflection of Beam, Theories of Buckling of Columns
5. **Theory of Structures:** Analysis of Beams, frames and trusses
6. **Surveying:** Fundamental concepts of Surveying, Measurement of distances, Levelling, Contouring, Theodolite
7. **Geo-Technical Surveying:** Properties of Soil, Soil compaction, shear Strength of Soil, Earth Pressure
8. **Highway Engineering:** Alignment, Geometric Design, Sight distance, highway material, pavement design, design of Rigid pavement

9. **Fluid Mechanics:** Introduction to Fluids, Pressure and its measurement, Kinematics of Flow, Dynamics of Fluid Flow (only basic knowledge)
10. **Environmental Engineering:** Water Demand, Water Quality, Water Treatment, Distribution System, Sewage treatment
11. **Preliminary knowledge of references:** BIS codes (IS 456, IS 800) and CPWD Specifications, IRC-37, IRC-58, Testing of Building Materials, Road Metals, Cube Test, Manual for Civil Engineering Works (MCEW)

Syllabus of Aptitude Test for the post of Legal Inspector, T&S Grade C

Part A – General Aptitude (20 Questions)

1. General English, Comprehension, verbal and non-verbal reasoning.
2. Logical reasoning and analytical ability.
3. Quantitative aptitude, Basic Numeracy (Numbers and their Relations, Orders of Magnitude, etc.) (Class X level).
4. Data Interpretation (charts, graphs, tables, data sufficiency etc. - Class X level).
5. General awareness regarding current issues of national importance, CIL, WCL, Provisions of NCWA etc.
6. All Rules & Regulations applicable to Non-Executive & Executive Cadre employees of CIL

Part B – Technical (80 questions)

1. Constitution of India
2. The Indian Contract Act, 1872
3. Transfer of Property Act, 1882
4. The Partnership Act, 1932
5. The Sale of Goods Act, 1930
6. Bharatiya Nyaya Sanhita, 2023
7. Bharatiya Nagarik Suraksha Sanhita, 2023
8. Bharatiya Sakshya Adhiniyam, 2023
9. Code of Civil Procedure, 1908
10. The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013
11. Coal Bearing Areas (Acquisition and Development) Act, 1957
12. New Labour Codes
 - a. The Code on Wages, 2019
 - b. The Industrial Relations Code, 2020
 - c. The Code on Social Security, 2020
 - d. The Occupational Safety, Health and Working Conditions Code, 2020
13. Public Premises (Eviction of Unauthorised Occupants) Act, 1971.

14. The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013
15. Indian Succession Act, 1925
16. The Hindu Marriage Act, 1955
17. The Hindu Succession Act, 1956
18. The Hindu Adoptions and Maintenance Act, 1956
19. The Hindu Minority and Guardianship Act, 1956
20. Registration Act, 1908
21. Arbitration and Conciliation Act, 1996
22. Payment of Wages Act, 1936
23. Payment of Gratuity Act, 1972
24. Mohammedan Law
25. Contract Labour (Regulation & Abolition) Act, 1970
26. Mines Act, 1952
27. Mines and Minerals (Development and Regulation) Act, 1957
28. Specific Relief Act, 1963
29. Limitation Act, 1963
30. Indian Partnership Act, 1932
31. Maternity Benefit Act, 1961
32. Right to Information Act;
33. MSME Act Commercial Courts Act