

CHARGES FOR GEOTECHNICAL TEST

A. SOIL TESTING

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| 1. a | Particle Size Analysis by sieving or by hydrometer | Rs. 539/- |
| b. | Granulometric Analysis by Laser Particle Size Analyser of fractions Ranging between 0.3 to 300 μm | Rate not yet fixed |
| 2. | Liquid limit and plastic limit | Rs. 278/- |
| 3. | Shrinkage limit | Rs. 290/- |
| 4. | Determination of Specific Gravity, moisture content, unit weight, void ratio & degree of saturation | Rs. 247/- |
| 5. | Compaction test of soil sample-for each set by (I) Standard Proctor or by (ii) Modified Proctor | Rs. 838/- Rs. 838/- |
| 6. | Coefficient of Permeability by (I) Constant head method or by (ii) Falling head method | Rs. 624/- Rs. 624/- |
| 7. | Consolidation test for each sample | Rs. 3,235/- |
| 8. | Unconfined Compressive Strength testing for each sample | Rs. 487/- |
| 9. | Determination of total soluble salts for each sample | Rs. 547/- |
| 10. a | Determination of calcium carbonate content for each sample | Rs. 356/- |
| b | Determination of soluble sulphate for each sample | Rs. 356/- |
| 11. | Determination of organic content for each sample | Rs. 465/- |
| 12. | Determination of pH value | Rs. 239/- |
| 13. | Triaxial shear test- | |
| | a) Unconsolidated undrained condition | Rs. 448/- |
| | b) Consolidated undrained condition | Rs. 1,142/- |
| | c) Consolidated drained condition with pore pressure measurement | Rs. 1,261/- |
| 14. | Direct shear test- | |
| | a) Unconsolidated undrained condition | Rs. 447/- |
| | b) Consolidated undrained condition | Rs. 536/- |
| | c) Consolidated drained condition | Rs. 971/- |
| 15. | Swell Pressure Test | Rs. 790/- |
| 16. | Laboratory vane shear test | Rs. 445/- |
| 17. | Field investigation by Standard Penetration Test (per meter) | Rs. 529/- |
| 18. | California Bearing Ratio (CBR) Test | Rs. 3,700/- |

B. ROCK TESTING

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| 19. | Preparation of rock cube/core from rock block | Rs. 541/- |
| 20. | Cutting and grinding of cube /core faces (for one rock) | Rs. 136/- |
| 21. | a) Uniaxial Compressive Strength for a set of three samples including cutting and polishing as per standard | Rs.1431/- |
| | b) Uniaxial Compressive Strength for only one core | Rs. 544/- |
| 22. | (a) Tensile strength for a set of three cores | Rs. 1,431/- |
| | (b) Tensile strength for only one core | Rs. 544/- |
| 23. | (a) Point load test for a set of three samples | Rs. 377/- |
| | (b) Point load test for one sample | Rs. 193/- |
| 24. | Modulus of elasticity and Poisson's ratio by ultrasonic tester for a set of three samples | Rs. 1,877/- |
| 25. | Determination of density, void ratio, water absorption percentage of each sample (including cutting and polishing) | Rs. 569/- |
| 26. | (a) Determination of specific gravity for average value of samples (10 samples will be needed) | Rs. 451/- |
| 27. | Slake durability test | Rs. 660/- |

C. AGGREGATE TESTING

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| 28. | Aggregate Impact value (average of three tests) | Rs. 940/- |
| 29. | Los Angeles Abrasion Test (average of three tests) | Rs. 1,120/- |
| 30. | Crushing strength (average of three tests) | Rs. 740/- |
| 31. | Soundness loss test (average of five tests/cycle) | Rs. 1,111/- |

D. BUILDING STONE TESTING

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| 32. | Compressive strength on a set of five bricks | Rs. 2,318/- |
| 33. | Water absorption on a set of five bricks | Rs. 636/- |
| 34. | Determination of resistance to water by abrasion of building stones | Rs. 455/- |
| 35. | Determination of shear strength of natural building stone (average of three tests) | Rs. 1,431/- |
| 36. | Deval attrition test | Rs. 830/- |
| 37. | Specific gravity, density, void ratio, absorption and bulking tests | Rs. 569/- |
| 38/- | Weathering on a set of three cubes | Rs.2,929/- |

E. FINE AGGREGATE TESTS

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| 39. | Sieve analysis and determination of fineness modulus | Rs 539/- |
| 40. | Specific gravity of particles | Rs 451/- |
| 41. | Organic impurities test | Rs. 465/- |
| 42. | Combined silt and clay content | Rs. 539/- |
| 43. | Flakiness Index test | Rs. 446/- |

F.FIELD TESTING

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| 44. | Determination of bearing capacity of soil by Vicksberg Cone-penetrometer | Rs. 662/- |
| 45. | Flat jack test by two pin method | Rs.16,149/- |
| 46. | Flat jack by four pin method | Rs. 30,191/- |
| 47. | Mortar strength by Concrete Test Hammer for each set of 10 readings : | Rs. 651/- |
| | (a) Without sample preparation | |
| | (b) With sample preparation | Rs. 854/- |