



N.E.D University of Engineering and Technology
Department Of Civil Engineering



Rates of Standard Tests Performed on Commercial Basis
Effective from 1st November 2022

Asphalt Testing

S.No	Test Description	Charges Per Test (Rs)
1	Asphalt Penetration Test	6000
2	Asphalt Ductility Test	6000
3	Determination of Softening point of Asphalt	4500
4	Quantitative extraction of bitumen	7500
5	Specific Gravity	4800
6	Flash and Fire Point	5400
7	Viscosity at 60 °C	7500

Aggregate Testing

S.No	Test Description	Charges Per Test (Rs)
1	Specific Gravity and Absorption of Coarse Aggregate	7500
2	Specific Gravity and Absorption of Fine Aggregate	7500
3	Los Angles Abrasion Test at 500 rev	6000
4	Los Angles Abrasion Test at 1000 rev	6500
5	Aggregate Impact Value	5400
6	Aggregate Crushing Value	5400
7	Sieve Analysis of Coarse Aggregates	4500
8	Sieve Analysis and Fineness modulus of Fine Aggregates	4500
9	Flakiness Index Elongation of Coarse Aggregates	12000
10	Elongation Index of Coarse Aggregates	12000
11	Soundness of Aggregates by Use of Sodium Sulfate	15000
12	Soundness of Aggregates by Use of Magnesium Sulfate	18000
13	Unit Weight /Density of Fine and Coarse Aggregates	3000
14	Clay Lumps and friable Particles	3500

13	Organic Impurities in Coarse and Fine Aggregates	6000
15	Clay Silt and Dust Passing/Sieve	3000
16	Light Weight Particles Coarse/fine Aggregates	3500
17	Aggregates/Boulders Crushing/Sample Preparation	3500

Cement Testing

S.No	Test Description	Charges Per Test (Rs)
1	Consistency, Initial and final Setting time of Cement	5000
3	Compressive Strength of Cement Mortars/other materials Per set of 3 cubes (with preparation)	4500
4	Tensile Strength of Cement Mortars/other Materials Per set of 3 Brackets(with preparation)	4500
5	Fineness of Cement by Blaine Apparatus	3000
6	Expansion of Cement by Autoclave Method (Per set of 3 Specimen)	8000
7	Adhesion test for Polymer-Modified Cement Mortar(Bond Test)	5000
8	Flexural Strength of Hydraulic Cement Mortars	6000
9	Early Stiffening of Portland Cement (Mortar Method)	3500
10	Drying Shrinkage of Mortar Containing Portland Cement (Per set of 3 Specimen)	7500

Concrete Testing

S.No	Test Description	Charges Per Test (Rs)
1	Concrete Mix Design Including testing of aggregates	i) First mix 28,000 ii) Second 25,000
2	Three-edge bearing test for drainage and sewer pipes (Concrete and Asbestos), up to 12inches diameter	5000
3	Three-edge bearing test for drainage and sewer pipes (Concrete and Asbestos), above 12inches to 24inches diameter	7000
4	Three-edge bearing test for drainage and sewer pipes (Concrete and Asbestos), above 24inches to 36inches diameter	8500
5	Three-edge bearing test for drainage and sewer pipes (Concrete and Asbestos), above 36inches to 48inches diameter	10,000
6	Flexural strength test for drainage and sewer pipes (Concrete and Asbestos), up to 12inches diameter	6500
7	Flexural strength test for drainage and sewer pipes (Concrete and Asbestos), above 12inches to 24inches	8000

8	Flexural strength test for drainage and sewer pipes (Concrete and Asbestos), above 24inches to 36inches	9000
9	Compressive Strength of Concrete Standard Cube/Cylinder/Cores/Pavers	600
10	Compressive Strength of Concrete large Specimens of size upto 12 inches	1800
11	Compressive Strength of Stone Blocks	2500
12	Compressive Strength of Concrete masonry Blocks	800
13	Capping of Concrete Specimens each side	350
14	Concrete Cutting and grinding of Cores	600
15	Pullout Strength of Hardened Concrete	2100
16	Flexural Testing of Concrete Panels upto 12 inches	3000
17	Flexural Testing of Concrete Panels above 12inches	4500
18	Length Change of Drilled or Sawed Specimens	3500
19	Obtaining of Drilled Cores in Laboratory	4500
20	Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	4500
21	Splitting Tensile Strength of Cylindrical Concrete Specimens	3500
22	Pulse Velocities and Ultrasonic Elastic Constants	3000
23	Permeability of Concrete cube/Cylinder/Core	8000
24	Concrete Pavers of irregular Shapes	1800

Steel/Metals Testing

S.No	Test Description	Charges Per Test (Rs)
1	Tensile strength test of Steel reinforcing bars including Bend tests up to 40 mm diameter	2100
2	Tensile strength test with 0.2% proof stress and modulus of elasticity with Electronic Extensometer Graph	4500
3	Seven-Wire Pre stressing Steel Strands Complete test with Electronic Extensometer Graph	6000
4	Compression and Shear Tests of Steel Products	2100
5	Impact Testing of Metallic Specimen	800
6	Tensile strength test of Steel Fasteners	2100
7	Stress/stroke/Time Graphs	500
8	Verification of Test Report	500
9	Unit Weight of steel Rebars	500

10	Bend Test only	800
11	Re-bend Test	2500
12	Tensile testing of Wire/Rope	2500
13	Force Verification/Calibration inside lab	18,000
14	Force Verification/Calibration outside	32,000

Rock Testing

S. No.	Test Description	Charges Per Test (Rs)
1	Rock core preparation	1000
2	Rock core capping	150
3	Crushing of stones	1000
4	Mounting of strain gauges on specimens	1000
5	Specific Gravity and Absorption of Rock	2000
6	Porosity /void ratio	1000
7	The density of rock core	300
8	Uniaxial/ Unconfined Compressive Strength test	2000
9	Uniaxial/ Unconfined Compressive Strength test with elastic modulus	5000
10	Laboratory Direct Shear Strength Tests of Rock Specimens	5000
11	Determination of the Point Load Strength Index of Rock	1000
12	Splitting Tensile Strength of Intact Rock Core Specimens	1000
13	Determination of Rock Hardness by Rebound Hammer Method	500
14	Slake Durability of Shales and Similar Weak Rocks	5000
15	Evaluation of Durability of Rock for Erosion Control Using Sodium Sulfate or Magnesium Sulfate	5000
16	Loose stack porosity of crushed stones	1000
17	Determination of Pulse Velocities and Ultrasonic Elastic Constants of Rock	2000
18	Standard Test Method for Elastic Moduli of Intact Rock Core Specimens in Uniaxial Compression	2500
19	Shear strength of rock cores	5000
20	The joint shear strength of rock cores	5000
21	Measuring Erosion Rates of Rock and Cohesive Materials by RETA (rotatory erosion test apparatus).	10,000
22	Hardness Mohs	2500
23	Thermal conductivity test of rock cores	5000
24	Freeze Thaw Durability	2000
25	Petrographic Analysis of Rock Samples	15000
26	Petrographic Analysis of Concrete Samples	15000
27	Porosity of rock and marble	5000
28	Deleterious Substance	5000

Soil Testing

S.No.	Test Description	Charges Per Test (Rs)
1	Standard Practice for Specifying Color by the Munsell System	500
2	The natural moisture content of the soil	500
3	Determination of Liquid Limits and Plastic Limits and plasticity index	2000
4	Determination of Shrinkage Limit of Soil	1000
5	Determination of Grain size distribution by Hydrometer Analysis	1500
6	Determination of Grain size distribution by Hydrometer Analysis For Colloidal Suspensions	5000
7	Filterable (TSS) and non-filterable (TDS) materials	1000
8	Microscopy gradation of colloidal particles	15,000
9	Sphericity and Roundness test of soil	10,000
10	Classification of Soil (LL+PL+PSD)	2000
11	Specific Gravity of soil	1000
12	Compaction (Standard Proctor Test)	1500
13	Compaction (Modified Proctor Test)	3000
14	The density of an undisturbed soil sample	500
15	Field density test (Sand Cone Method)	2000
16	The relative density of cohesionless soil	10,000
17	Determination of Soil Permeability (coarse-grained soils)	2500
18	Determination of Soil Permeability (fine-grained soils)	2500
19	One dimensional Consolidation of Soil	10000
20	One-Dimensional Swell or Collapse of Soils (ASTM D4546 – 14)	20,000
21	Determination of free swell index of soils (IS 2720-41 (1977))	2000
22	Unconfined Compression Test	1000
23	Direct Shear Test of Soil	3000
24	Vane Shear Test (for Soft and sensitive soils)	1500
25	Un-soaked CBR Complete	3500
26	Soaked CBR Complete	7000
27	Triaxial Test (UU-Test)	5000
28	Triaxial Test (CU-Test) without pore pressure measurement	10,000
29	Triaxial Test (CU-Test) with pore pressure measurement	15,000

30	Triaxial Test (CD-Test) with pore pressure measurement	25,000
31	Sensitivity index test of soil	10,000
32	Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	5000
33	Sand Ruggedness	2500
34	Lightweight Material	3000
35	Mica content	3000
36	Alkali-aggregate Activity	10,000
CHEMICAL TESTING		
37	PH value test	1000
38	Sulfate content test	2000
39	Chloride content test	2000
40	Organic matter content	3000
41	Electrical conductivity test	2000
42	Total Dissolved Solids (TDS)	1000
43	Hardness test of water	1500
44	Thermal Conductivity test of soils	5000

Note:

Any other test or detailed test report with analysis is not included in the list, it may also be planned and performed according to the requirements of the client and the test charges of which will be decided by the Department of Civil Engineering on request by the client.

The payment is to be made in advance only by Pay-order or cash deposited into bank through payment challah in the name of “**Commercial Testing & Other Related Services at NEDUET D-CPL**”

For Further Details Please Contact:

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