



CECOS UNIVERSITY
of IT & Emerging Sciences Peshawar
Department of Civil Engineering

F-5, Phase-VI, Hayatabad
Peshawar, Pakistan
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Ext: 131/132
E-mail: hod.ce@cecos.edu.pk
Website: www.cecos.edu.pk

RATE LIST OF SOIL MECHANICS AND FOUNDATION ENGINEERING

Sr. No.	Description	Rate (Rs)
1.	Moisture content (lab)	600
2	Unit weight (lab)	600
3	a) Sieve analysis (dry) b) Sieve analysis (wash)	1,500 1,500
4	Hydrometer	5,000
5	Liquid limit & Plastic limit	1,500
6	Shrinkage limit	600
7	a) Permeability (constant head) b) Permeability (variable head)	3,000 3,000
8	Direct shear	5,000
9	Consolidation	8,000
10	a) Specific gravity (fine grain) b) Specific gravity (coarse grain)	1,500 1,500
11	a) Standard compaction (4" mould) b) Standard compaction (6" mould)	2,000 2,500
12	a) Modified compaction (4" mould) b) Modified compaction (6" mould)	2,500 3,000
13	a) One Point CBR (soaked) b) One Point CBR (unsoaked)	5,000 3,500
14	a) Three point CBR (soaked) T-193/T-99/T-180-D b) Three point CBR (unsoaked) "	8500 7000
15	One point CBR (soaked) /T-180	5000
16	Organic Matter	3500
17	Field Density Test	3000+transportation
18	Coefficient of Uniformity D10, D30, D60	3000
19	Field CBR Test	18000+loading arrangement by client
20	Triaxial test	5000
21	Unconfined test	2500
22	Soil Resistivity test	20000
23	Relative Density of Sand	3000
24	Plate load test (according to location situation)	50000 to 75000
25	Unified Classification AASHTO	3000
26	Visit of expert at site	6,000
32	Density of Sand for Sand Cone Apparatus	1500
34	Bentonite (Clay)'Liquid Limit.	2000
35	Thermometer Calibration up to 100°	200

(Prof. Dr. Muhammad Tariq Bashir)
Head of Department (Civil)

(Prof. Dr. Irfan Ullah)
Dean Faculty of Engineering

CECOS CONSULTANCY SERVICES

Project Planning & Design, Feasibility Studies, Structural Design, Soil & Foundation Designs,
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CECOS FIELD & LABORATORY SERVICES

Material Testing, Water & Sewage Sample Testing



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RATE LIST FOR BORE HOLE/OPEN PIT PESHAWAR REGION

Sr. No.	Depth (ft)	Rates (Rs.)
1	20	25000
2	30	35000
3	40	45000
4	50	55000
5	60	65000
6	70	80000
7	80	90000
8	90	100000
9	100	130000
10	Above 100	130000 + 2000 per ft

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RATE LIST OF STEEL AND CONCRETE TESTING

Sr. No.	Description	Rate (Rs.)
Steel Testing		
1	Deformed Steel Tensile Test (Up to 1 inch)	700 per piece
2	Bend Test (Up to 1 inch)	400 per Piece
3	Deformed Steel Tensile Test (Over 1 inch)	1,200 per Piece
4	Bend Test (Over 1 inch)	600 per Piece
5	Weight and Gauge	400 per Piece
6	High Strength Tensile Test (Pre-stressing Strands)	5,000 per Piece
A. Tensile Test		
7	Up to 1" nominal dia (Plain Bars)	Rs. 500/-
8	Up to 1" nominal dia (Tor Steel)	Rs. 600/-
9	Over 1" nominal dia (Tor Steel)	Rs. 650/-
B. Flat Plates		
10	Up to ¼ " plates prepared samples	Rs. 500/-
11	Over ¼ " plates prepared samples	Rs. 600/-
12	Determination of weigh & diameter of Bars	Rs. 400/-
Concrete Mix Design		
13	Mix design	22000
14	Mix design (detailed)	30,000
Compressive Strength Tests		
15	Compressive strength test on Concrete/mortar cubes	400
16	a) Compression test on cylinders without capping (already capped by client) b) Compression test on cylinders with capping of sulphur.	400 750
17	Compression test on hollow & solid blocks	850
18	Compressive Strength of Tuff pavers/ Tiles	850
19	Compression test on bricks with capping)	700
Bricks Test		
20	Water absorption of bricks	300
21	Efflorescence test of bricks	500
Non Destructive Test		
22	Non-destructive testing using rebound hammer, ultrasonic tester, rebar locator	Depends on the site and extent of work
23	Core test performed (Cutting + Testing)	9500
24	Core test (provided by the client)	5000
Cement Test		
25	Consistency Note: Consistency test is essential for setting time test.	700

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26	Initial setting time	700
27	Final setting time	700
28	Soundness of cement	700
29	Density/Specific gravity of cement	1500
30	a) Fineness of cement by sieve b) Fineness of cement by Blaine air permeability Apparatus	1000 2000
31	Compressive strength of cement using mortar cubes	8500
Sand Tests		
32	Sieve analysis	1500
33	Fineness Modulus	1000
34	Water absorption	1000
35	Specific gravity of fine aggregate	1500
36	Soundness of fine aggregates by B.S. using sodium Sulphate or Magnesium Sulphate	9500
37	Sand Equivalent test	2100
38	Density/Unit weight (Rodded or Loose) of fine Aggregate	2000
39	Material Finer than 0.075mm	1000
40	Clay Lumps and Friable Particles	2500
41	Organic Impurities	2500
Coarse Aggregates Test		
42	Sieve analysis	1500
43	Specific gravity of aggregate	1500
44	Water absorption of aggregates	1000
45	Crushing Value of Coarse Aggregate	200
46	Impact Value of Coarse Aggregate	2000
47	Density/Unit weight (Rodded or Loose) of Coarse Aggregate	2000
48	Soundness (aggregates) by B.S. using sodium Sulphate or Magnesium Sulphate	9500
49	Los Angeles Abrasion Value of Coarse Aggregate	2100
50	Clay Lumps and Friable Particles	2500
51	Material Finer than 0.075mm	1000
52	Organic Impurities	2500
53	Flakiness & Elongation Index	2000 + 2000
Miscellaneous		
54	Density of Concrete Block etc.	2000
55	Concrete Permeability Test	12000 per Specimen
56	Verification of Report	500 per report
57	Duplicate Result	500 per report
R.C.C. Pipes' (3-EDGE BEARING TEST) —Per Specimen		
58	RCC Pipe 3 & 4 Inch Dia	2000

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59	<u>RCC Pipe 6 Inch Dia</u>	2500
60	RCC Pipe 8 & 9 Inch Dia	3000
61	RCC Pipe 12 Inch Dia	5000
62	RCC Pipe 15 Inch Dia	7000
63	RCC Pipe 18 Inch Dia	9500
64	RCC Pipe 21 to 24 Inch Dia	15000
65	RCC Pipe 24 and 30 Inch Dia	18000
66	Physical Verification of RCC pipe (3 to 15 Inch Dia)	5500
67	Physical Verification of RCC pipe (15 to 30 Inch Dia)	8500

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RATE LIST OF TRANSPORTATION ENGINEERING

Sr. No.	Description	Rates (Rs)
1	Penetration test	2,500
2	Softening point	1,500
3	Flash and fire point	2000
4	Asphalt mix design	30000
5	Los Angeles abrasion test	2000
6	Marshal stability & flow	3500
7	Flakiness index	2000
8	Elongation index	2000
9	Specific gravity of aggregates	1500
10	Ten percent fines value test on coarse aggregates	2000
11	Density of aggregates	2000
12	Specific gravity of bitumen	1500
13	Water absorption (aggregates)	1000
14	Fineness modulus	1000
15	Impact value	2000
16	Bitumen Extraction	9000
17	Ductility Test	3000
18	Loss on Heating — R.TF0	3500
19	Stripping and Coating	2000
20	Solubility	2000
21	Collection of Core Samples (first 4 cores)	7000 per sample + Transportation
22	Collection of Core Samples (each core after 4 cores)	1200 per sample + Transportation

Note: Transportation facility or charges for the same will be provided by the client.

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WATER QUALITY TESTING SERVICES

Special Packages (Parameters)				Package-I Chemical (A)		Package-II Chemical +Microbiological (A+B)		
Aesthetic/Chemical (A)				3000/Sample		4500/Sample		
1	Color	10	Chloride					
2	Odor	11	Hardness					
3	E.C.	12	Magnesium					
4	pH	13	Nitrate					
5	Turbidity	14	Potassium					
6	Alkalinity	15	Sodium					
7	Bicarbonate	16	Sulphate					
8	Calcium	17	TDS					
9	Carbonate							
Microbiological (B)				2000/Sample				
18	Total Coliforms	20	E. Coli					
19	Fecal Coliforms							
PARAMETERS ON REQUEST								
Sr.#	Parameters		Rates/Sample	Sr.#	Parameters		Rates/Sam ple	
Aesthetic/Chemical								
1.	Color		50/sample	Heavy/Trace Metals				
2	Odor			200/parameter	26	Arsenic		1500/paramet er
3	Turbidity		27		Copper			
4	Alkalinity		28		Zinc			
5	Bicarbonates		29		Manganese			
6	Calcium		30		Mercury			
7	Carbonates		31		Chromium			
8	Chlorides							
9	Chlorine							
10	Magnesium							
11	TDS		300/parameter		Microbiological Parameters			
12	EC			32	Presence/ Absence Test for Microbiology		500	
13	pH				33	Total Plate Count		800/paramet er
14	Potassium							
15	Hardness				34	Total Coliforms, Fecal Coliforms, E. Coli		2000
16	Sodium							
17	Phosphate							
18	Iron			35	Microbiology within 24 hours		4000	
19	Fluoride							

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20	Ammonia			Waste Water Parameters			
			350/parameter				
21	TSS			36	Dissolved Oxygen (DO)		500
22	Silica			37	Biochemical Oxygen Demand (BOD)		1500
23	Sulphate			38	Chemical Oxygen Demand (COD)		1500
24	Nitrate						
25	Nitrite		400/parameter				

WATER QUALITY SAMPLING SERVICES

1	Sterilized bottle 250 ml	50/bottle
2	Sampling bottles for chemical analysis (600ml)	70/set of 3 bottles
3	Vehicle provided by the client	DAs of the sampling team +Rs.200/sample for sampling material(sampling bottles, chemicals/preservatives, ice boxes etc.)
4	Vehicle provided by CECOS	DAs of the sampling team + Rs.20/km /trip + Rs.200/sample for sampling material (sampling bottles, chemicals/preservatives, ice boxes etc.)

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