

**DEPARTMENT OF CIVIL ENGINEERING
SCHOOL OF ENGINEERING
GAUTAM BUDDHA UNIVERSITY**

**DEPARTMENT DOES MATERIAL TESTING CONSULTANCY WORK IN
FOLLOWING LABORATORIES**

S.N o.	LAB NAME	LAB NO	Non Taching Staff	Lab in charge
1	Soil Mechanics lab	AP-104	Mr. Anuj Yadav	Dr. Shobha Ram
2	Concrete lab	WE-107	Mr. Ram Pravesh	Dr. Shilpa Pal
3	Material Testing lab	WE-102	Mr. Ram Pravesh	Dr. Shilpa Pal
4	Environmental Engineering lab	AP-105	Mr. Dushyant Pal Singh (Lab Superintendent)/ Mr. Ram Singh (Lab Assistant)	Dr. Shobha Ram
5	Advance Environmental Engineering lab	AP-106	Mr. Dushyant Pal Singh (Lab Superintendent)/ Mr. Ram Singh (Lab Assistant)	Dr. Shobha Ram
6	Transportation Lab	WE-203	Mr. Dushyant Pal Singh (Lab Superintendent)/ Mr. Anuj Yadav (Lab Assistant)	Dr. Shilpa Pal

GENERAL INFORMATION

- The consultancy work should be addressed to Registrar/Head of Department.
- The Head of the Department will assign the work to the secretary of the Project Management Committee (PMC).
- After receiving the receipt of the amount submitted in the accounts section, the reports will be sent by the group leader/lab in charge of the consultancy work. The record of the same will be maintained by the technician of lab.

- No person shall deposit consultancy fee for any work, directly received from client, in his personal bank account. For all consultancy work done by individual earlier, where university / Departmental share has not been paid so far the said share shall be immediately deposited in the account and along with this a detailed statement of such work done so far shall be submitted to the Head of the department for regularization of the work.
- All consultancy work done by the Engineering Departments of the faculty for the building, electricity and other service department of the University shall also be governed by these rules.
- If at any time it is discovered that a person has carried out private consultancy against receipt of fees then he shall as a punitive action, have to deposit twice the total amount received by him in the University share of the head for this work. If he is found to repeat this violation, then action will be initiated against him for violation of the rules and misappropriation of University funds.
- For expert visits by the faculty member of the department, after deducting the University share, the remaining amount will be individual share of the expert.

FOR INFORMATION/ANY DETAIL CONTACT:

DR. SHILPA PAL – 08800325860

DR. SHOBHA RAM - 09958294505

RATES OF CONSULTANCY ARE AS BELOW:

CONCRETE AND MATERIAL TESTING LABORATORY
TESTING FACILITY AND RATES

S.NO.	DESCRIPTION OF TEST	Rates Proposed in Civil Engg at GBU in RS
	TEST ON CEMENT	
	Compressive Strength of cement with casting, curing, testing	
	(a) One set of 3 nos. at 3 days	1000
	(b) One set of 3 nos. at 7 days	1000
	(c) One set of 3 nos. at 28 days	1000
	Consistency	500
	Setting time(initial and final)	500
	Fineness	500
	Soundness	500
	Specific Gravity	500
	COARSE AND FINE AGGREGATES	
	Specific Gravity	1500
	Sieve Analysis	1000
	Bulk Density	1000
	Fineness Modulus	1000
	Water Absorption	1000
	Aggregate Crushing test	1500
	Flakiness index of coarse aggregates	1200
	Elongation Index of coarse aggregates	1200
	Aggregates impact test	1500

CONSULTANCY RATES APPROVES IN 08TH BOS HELD ON 6TH JULY 2015

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47. Consolidation test -with remolded samples

	Bulking of sand	1000
	CONCRETE SAMPLE	
	(A) Cube Compressive Strength Test (Min 3nos.)	1500
	(B) MIX DESIGN UPTO M30	15000
	(C) MIX DESIGN ABOVE M30	20000
	BRICK	
	Water absorption test + compressive strength test + efflorescence test (for a set of 10 units)	1800
	NON DESTRUCTIVE TESTING ON CONCRETE	
	Concrete Strength By Rebound Hammer Tester Per Location	1500
	Concrete Strength By Ultra Sonic Concrete Tester Per Location	1500
	STEEL	
	Physical test - yield strength, ultimate strength, percentage elongation	5000
	INSTRON UTM 1000kN	
	Three Point Bend Test For Beam Size 150 x150x 750 MM	10000
	Design Consultancy	As per invoice by the P.I.(Principal Investigator)

N.B.:

- For all type of testing/consultancy services, written request with all relevant details should be submitted to Head of Department through Dean of the concerned school.
- Test samples/specimens in required quantity are required to be supplied to the laboratory in sealed bag(s) duly authenticated by the competent authority.
- In addition to the respective testing charges mentioned above, the service tax, educational cess, government levies i.e. sales tax, income tax, VAT etc. will be as applicable from time to time will be charged extra. All payments are required to be made in advance in the form of demand draft in favour of 'Registrar, Gautam Buddha University' payable at Greater Noida.

CONSULTANCY RATES APPROVES IN 08TH BOS HELD ON 6TH JULY 2015

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Consolidation test -with remolded samples

3000

Approved Testing rates of Soil/Geotechnical engineering Laboratory

Sl. No.	Description	Proposed Rates of GBU per Sample (Rs.)
1.	Permeability test on undisturbed Samples	1500
2.	Permeability test on Remolded Samples	2000
3.	Standard Proctor's Compaction test	1500
4.	Modified Proctor's test	3000
5.	Standard compaction test (higher particle size)	4000
6.	Field dry density (core cutter method)	1500
7.	Field dry density (sand replacement method)	2000
8.	Undrained shear box test	800
9.	Drained shear box test	1000
10.	Tri-axial compression test (38 mm dia without pore water pressure measurement) & 3 tests required for each sample	5000
11.	Tri-axial compression test (38 mm dia with pore water pressure measurement) & 3 tests required for each sample	7500
12.	Tri-axial compression test (without pore water pressure measurement) 100 mm dia sample & 3 tests required for each sample	10000
13.	Tri-axial compression test (with pore water pressure measurement) 100 mm dia sample & 3 tests required for each sample	15000
14.	Natural Moisture content	150
15.	Bulk density of soil	350
16.	Dry density of soil	500
17.	Specific gravity of soil	500
18.	Sieve analysis (dry)	500
19.	Sieve analysis (wet)	1000
20.	Hydrometer analysis	2000
21.	Atterberg's limits (L.L., P. L., P. I., Flow Curve)	1500
22.	Shrinkage limit	1000
23.	Consolidation test –with undisturbed samples	2000
24.	Consolidation test –with remolded samples	3000









SCHOOL OF ENGINEERING

GAUTAM BUDDHA UNIVERSITY

ENVIRONMENTAL ENGINEERING LABORATORY, CIVIL ENGINEERING DEPARTMENT

Water, Wastewater, Microbiological, Ambient Air Quality testing charges

Sr. No.	Parameters	Rates Proposed in Civil Engineering Department, SoE, GBU Charges (Rs)
1	Colour	500=00
2	Odour	500=00
3	Turbidity (NTU)	500=00
4	Chlorine	500=00
5	Temperature of Liquid Sample	500=00
6	Electrical conductivity	500=00
7	Salinity (%)	500=00
8	pH	500=00
9	Total dissolved solids (ppm)	500=00
10	Physical Appearance	500=00
11	Total solids (ppm)	500=00
12	Total suspended solids (ppm)	500=00
13	Nitrite (ppm)	500=00
14	Fluoride (ppm)	1000=00
15	Total Hardness as CaCO ₃ (ppm)	500=00
16	Chloride as Cl (ppm)	500=00
17	Sulphates as SO ₄ (ppm)	500=00
18	Sulphide (ppm)	500=00
19	Ammonical nitrogen (ppm)	500=00
20	Iodine (ppm)	500=00
21	Bromine (ppm)	1000=00
22	Residual Chlorine (ppm)	500=00
23	Acidity	500=00
24	Alkalinity	500=00
25	Chromium (Total) (ppm)	1000=00
26	BOD	1000=00
27	COD	1000=00
28	UV Absorbency	1000=00
29	Aluminum	1000=00
30	Ammonia	500=00
31	Arsenic	1000=00
32	Barium	1000=00
33	Boron	1000=00
34	Bromine	1000=00
35	Cadmium	1000=00
36	Chloride	500=00
39	Chromium, Total	1000=00
40	Cobalt	1000=00
41	Copper	1000=00
42	Cyanide	1000=00
43	Cyanuric Acid	500=00
44	Detergent/ Surfactants MBAS	1000=00
45	Dissolved Oxygen	500=00

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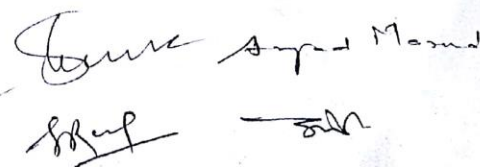
46	Fluoride		
47	Iron,		1000=00
48	Lead		1000=00
49	Manganese		1000=00
50	Mercury		1000=00
51	Molybdenum		1000=00
52	Nickel		1000=00
53	Nitrate		1000=00
54	Nitrite		500=00
55	Nitrogen, Total		500=00
56	Organic Constituents		1000=00
57	Phosphorus, Acid Hydrolyzable		500=00
58	Phosphorus, Reactive (Orthophosphate)		300=00
59	Potassium		500=00
60	Zinc		1000=00
61	Phenols		1000=00
62	Silver		1000=00
63	Sulfate		500=00
64	Volatile fatty Acids		500=00

Sr. No.	Parameters	NIT Surat Analysis Charges (Rs)	Proposed GBU Charges (Rs)
1	Ambient Air monitoring SO ₂ , NO ₂ , SPM, RSPM	Per Hr 8000=00	Per 8 Hrs per location 8000=00

Microbiological Analysis


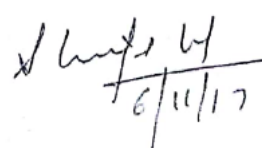

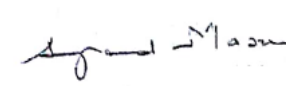
S. No.	Test	NIT Surat Analysis Charges (Rs)	Proposed GBU Charges (Rs)
1	Total Plate Count	500=00	1500=00
2	E. coli confirmation test	800=00	1500=00
3	MPN counts	800=00	1500=00
4	Enterococci	800=00	1500=00

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TRANSPORTATION LABORATORY TESTING FACILITY AND RATES

S.NO.	DESCRIPTION OF TEST	Rates Proposed in Civil Engg at GBU in Rs. (excluding GST)
A	Testing of Stone Aggregates	
1	Crushing Value	4000.00
2	Abrasion Value (Los-Angeles)	4000.00
3	Impact Value	2500.00
4	Shape Test (flakiness and elongation index)	3500.00
5	Sieve Analysis & Gradation	3500.00
6	California Bearing Ratio Test (Unsoaked)	7000.00
B	Testing of Bitumen	
1	Marshall Stability Test	5000.00
2	Penetration Test of Bitumen	3000.00
3	Ductility test of Bitumen	3500.00
4	Softening Point Test	3000.00
5	Flash & Fire Point Test	4000.00
C	Precast Concrete Blocks for Paving (IS 15658:2006	
1	Abrasion Resistance	3000.00

BOS 06TH NOVEMBER 2017 – CONSULTANCY RATES, CED, SOE, GBU

**GEOTECHNICAL/SOIL MECHANICS LABORATORY
TESTING FACILITY AND RATES**

S.NO.	DESCRIPTION OF TEST	Rates Proposed in Civil Engg at GBU in Rs. (excluding GST)
1	California Bearing Ratio Test (Unsoaked)	3000
2.	California Bearing Ratio Test (soaked)	4000

Rates of other tests have already been approved in the BOS dated 06th July 2015