

SCHOOL OF ENGINEERING
DEPARTMENT OF CIVIL ENVIRONMENTAL AND GEOMATICS ENGINEERING
ACADEMIC YEAR 2015-2016
**SOIL MECHANICS&GEOTECHNICAL ENGINEERING LABORATORY
COST ON MATERIALS TESTING**

S.N	Item Description	Unit	CST/UR Revised price (Frw)
1.0	General tests		
	Natural moisture content	1	4,000
	Liquid Limit only	1	10,000
	Atterberg limits	1	19,000
	Plastic limit only	1	9500
	Sieve analysis + (Hydrometer)	1	45,000
	Sieve Analysis (wet sieve)	1	18,000
	Sieve Analysis(dry sieve)	1	14,000
	Soil pH	1	22,000
	Shrinkage Limit (Linear)	1	12,000
	Specific Gravity	1	21,000
	Swelling test		22,000
	Organic matter	1	34,000
	Dynamic penetrometer test	1	16,000
	Static cone penetrometer		90,000
	Sulfates test	1	40,000
	Plate load test		25000
	Chloride	1	
1.2.	Compaction test		
	a) standard-protor 100 mm dia mould	1	21500
	b) modified protor 100 mm dia mould	1	25,000
	c) standard protor 150 mm dia mould	1	35,000
	d) Modified protor 150 mm dia mould	1	35,000
	e)Triaxial test	1	60,000
	f)Unconfined compressive test(draind)	1	68,500
	g)Unconfined compressive test(Autographic)	1	69,500
1.3.	CBR Test(100% MDD)		
	a) unsoaked	1	24,000
	b)soaked 2 days	1	28,000
	c) soaked 4 days	1	30,000

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	In situ CBR without truck		40500
1.4	Bulk density (field method)		
	a) sand replacement per test	1	28,000
	b) water balloon per test	1	22,000
	c)Core cutter	1	11,000
	Field dry density	1	15000
1.5.	Shear test	1	40,000
1.6	Permeability	1	35,000
1.7	Consolidation(Oedometer)	1	50,000
1.8	SAMPLING		
1.8.1	a)Opening of trial pit 1x1m wide up to 1.5m deep	m deep	38,000
	b)Exceeding 1.5m	m deep	20,500
1.8.2	Boring using hand Augers and sampling	m deep	20,000
1.8.3	Mobilisation of Staff & Equipment to and from site.		
	a)Within 25km(with truck)	LS	70,000
	b)Within 25km(without tuck)		60000
	c)Beyond 25km(@every Km exceeding 25Km)		1000
1.8.4	Per-diem for works outside KIST		
	a)Geotechnical Engineer	M.day	40000
	b)Senior Technician	M.day	20000
	c)Lab Attendant	M.day	10000
1.8.5	Geological description of soil profile (pit)	1	35000
1.9	Full soil classification (Sieve analysis, proctor, direct shear, atterberg limits and water content)	1	100000
1.10	Soil classification under Unified soil classification system		50000

NB: VAT (18%) is inclusive in these prices

Contact Details:

1. Dr. Benjamin KYAMBADDE (Staff in charge)

Tel: 0788308425

Email: benjamin@kyambadde.com

2. Mr. BANZIBAGANYE Gerald (Staff in charge)

Tel: 0739503069 & 0788691692

Email: gerabagan@yahoo.fr

3. DUSHIMIRIMANA Louis Theoneste (Lab Technician)

Tel: 0787179911

Email: luzteos26@gmail.com

4. Head, Dept.of Civil, Environmental and Geomatics Engineering,
UR-CST.

Tel: 0739 505 606 / 0783 000 813

Email: dpt_cege.cst@ur.ac.rw

*Approved
Jean*

