

Geo Consult Ltd

Geotechnical and Materials Engineering Consultants

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RATES FOR SOIL AND MATERIALS TESTING - 2017

No	Description	Unit	Qty	Rate (RWF)
1	FIELD WORK AND TESTS			
1.1	Manual excavation of trial pit and sampling (max. 3 m deep)	No	1	19,500
1.2	Drilling in soil formation by a drilling machine	m	1	40,500
1.3	Drilling in rock formation by a drilling machine	m	1	45,000
1.4	Standard penetration test (SPT) at a specified interval	No	1	28,500
1.5	Undisturbed sampling in a pre-drilled borehole	No	1	12,500
1.6	Dynamic penetration test (DCP) with a light penetrometer	No	1	20,500
1.7	Static cone penetration test (CPT)	No	1	200,000
1.8	In situ compaction density	No	1	18,500
1.9	In situ shear vane test	No	1	25,000
1.10	Sampling with hand auger	m	1	4,500
2	LABORATORY TEST			
2.1	Soil Samples			
2.1.1	Natural moisture content	No	1	3,000
2.1.2	Dry/Wet Sieve analysis	No	1	14,000
2.1.3	Sieve analysis with hydrometer	No	1	28,000
2.1.4	Bulk and dry densities	No	1	14,000
2.1.5	Direct shear test	No	1	28,500
2.1.6	Consolidation test	No	1	35,000
2.1.7	Shrinkage limit	No	1	14,000
2.1.8	Permeability test	No	1	27,500
2.1.9	Standard/Modified proctor	No	1	24,500
2.1.10	CBR 4days soaked	No	1	26,500
2.1.11	Soil pH	No	1	12,500
2.1.12	Soil Electrical Resistivity	No	1	18,500
2.1.13	Sulphate content	No	1	22,500
2.1.14	Chloride content	No	1	22,500
2.2	AGGREGATES AND SANDS			
2.2.1	Crushing Ratio	No	1	24,500
2.2.2	Flackness index	No	1	24,500
2.2.3	Elongation index	No	1	24,500
2.2.4	Los Angels abrasion	No	1	32,500
2.2.5	Aggregates crashing value	No	1	32,500
2.2.6	Sodium sulfate soundness	No	1	65,000
2.2.7	Sand equivalent	No	1	18,500
2.2.8	Organic matter	No	1	18,500

2.3	CONCRETE			
2.3.1	Concrete mix ratio design	No	1	250,000
2.3.2	Axial compression test (Cube, Blocks, Stones, Paving blocks)	No	1	5,000
2.3.3	Slump test	No	1	12,500
2.3.4	Steel tensile strength	No	1	48,500
2.3.5	Rebound hammer test	No	1	12,500

STAFF OF THE COMPANY

No	Names	Position
1	Alain BAYAVUGE	Civil/Geotechnical Engineer
2	Fabrice NTAWIHA	Civil Engineer
3	Emmanuel NGENZI	Senior Laboratory Technician
4	Gilbert BAZUNGU	Drilling Operator
5	Gervais NZAVUGWANKIZE	Laboratory Technician
6	Albert SIBOMANA	Laboratory Technician

Done at Kigali on March 20, 2017



Eng. Alain BAYAVUGE
Technical Director
Geo Consult Ltd