



**CIVIL ENGINEERING MATERIALS TESTING LABORATORY**  
**Reg. 92/03145/07**

## **SCHEDULE OF RATES**

**APRIL 2012 TO MARCH 2013**

### **LABORATORY**

122A INTERSITE AVENUE  
UMGENI BUSINESS PARK  
DURBAN  
4001

Telephone : (031) 701 9732  
Facsimile : (086) 984 9785  
Email : [lab@geosure.co.za](mailto:lab@geosure.co.za)  
Website : [www.geosure.co.za](http://www.geosure.co.za)



CIVIL ENGINEERING MATERIALS TESTING LABORATORY  
Reg. 92/03145/07

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Dear Client

We would like to thank you for allowing Geosure(Pty)Ltd to tender rates for laboratory testing and would like to take this opportunity of thanking you for your continued support and trust that we will be able to continue to focus on customer service to ensure that our partnership is a successful one.

Our Schedule of Rates applicable to April 2012 to March 2013 has been revised and attached hereto for your perusal.

Laboratory Manager  
Kris Veeran

Directors

*D. Naidoo Pr.Sci.Nat. BSc (Hons) MSABTACO, MSAIEG*

*V. Govender ND (Civ. Eng.) MSABTACO MSAT*

*Associate: S Pather Pr.Sci.Nat. BSc (Hons)*

## COMPANY ADDRESS AND TELEPHONE NUMBERS

### Head Office

**Physical Address** : 122B Intersite Avenue  
Umgeni Business Park  
Durban  
4001

**Postal Address** : P.O. Box 1461  
Westville  
3630  
South Africa

**Telephone** : +27 (0) 861 GEOSURE /+27 (0) 861 436 7873

**Fax** : +27 (0) 86 689 5506

**E-mail** : [geosure@iafrica.com](mailto:geosure@iafrica.com)

**Deven Naidoo** : 082 784 0544  
**Venai Govender** : 083 447 3556  
**Soonil Chattergoon** : 073 200 9611  
**Sundras Pather** : 084 500 5095  
**Shelley Hoeben** : 083 456 1833

### Materials Laboratory

**Physical Address** : 122A Intersite Avenue, Umgeni Business Park

**Telephone** : +27 (0) 31-701 9732

**Fax** : +27 (0) 86-684 9785

**E-mail** : [lab@geosure.co.za](mailto:lab@geosure.co.za)

**Kris Veeran** : 072 870 2621  
**Bradley Harriram** : 074 992 8054  
**Terance Sukkan** : 079 896 3768

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Please note that our Head Office and Laboratory will be relocating to a single new premises, as of 1 May 2012 for the Head Office and 1 June 2012 for the Laboratory. Our contact details except for fax numbers remain the same:

**New Address: 122 Intersite Avenue, Umgeni Business Park, Durban, 4091, KwaZulu Natal, South Africa**

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## Scale of fees

### TRANSPORT & TIME

<i>Item No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate (exc. Vat)</i>
1.1	Manager	Hour	P.O.A.
1.2	Technical Manager	Hour	500.00
1.3	Engineering Geologist	Hour	P.O.A.
1.4	Technician	Hour	400.00
1.5	Senior Materials Tester	Hour	300.00
1.6	Materials Tester	Hour	200.00
1.7	Labourer	Hour	50.00
1.8	Consulting Engineer	Hour	P.O.A.
1.9	Draughtsman / Tracer	Hour	280.00
1.10	Travelling Time team	Hour	400.00
1.11	Travelling – Km (Subject to change without notice)	Km	4.30
1.12	Personnel Overtime-Mon-Sat (Compaction Team)	p/hr	350.00
1.13	Personnel Overtime – Sunday (Compaction Team)	p/hr	400.00
1.14	Standing Time	p/hr	P.O.A.

NB. The above prices exclude VAT

\*POA= Price on Application

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## Scale of fees

### DENSITY

<i>Item No.</i>	<i>Method</i>	<i>Description</i>	<i>Unit</i>	<i>Rate R (exc. Vat)</i>
2.1	TMH1 A10(a)	In-situ dry density: Sand Replacement Method	Test	275.00
2.2	TMH1 A10(b)	In-situ dry density: Nuclear Density Method	Test	130.00
2.3	TMH6 ST6	Dynamic Cone Penetration (Natural Material)	Metre	175.00
2.4	TMH6 ST6	Hire of personnel and DCP Including DCP Report	Day Works	POA*

NB. The above prices exclude VAT

\* POA = Price on Application

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## Scale of fees

### INDICATOR

<i>Item No.</i>	<i>Method</i>	<i>Description</i>	<i>Unit</i>	<i>Rate R (exc. Vat)</i>
3.1	TMH1 A1.A5	Sieve Analysis to 0.075mm	Test	230.00
3.2	TMH1 A1, A2, A3, A4, A5	Sieve Analysis to 0.075 + Atterberg	Test	430.00
3.3	ASTM D422	Foundation Indicator (Hydrometer to 1.5 microns)	Test	630.00
3.4	TMH.1 A2, A3, A4	Atterberg Limits only (Including Preparation of fines)	Test	300.00
3.5	SABS 1200	Compactibility Factor	Test	350.00

NB. The above prices exclude vat

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## Scale of fees

### COMPACTION

<i>Item No.</i>	<i>Method</i>	<i>Description</i>	<i>Unit</i>	<i>Rate R (exc. Vat)</i>
4.1	TMH1 A7	Maximum dry density & optimum moisture content: (Mod AASHTO OR Proctor) Natural Material	Test	380.00
4.2	TMH1 A7	Maximum dry density & optimum moisture content: ( Mod AASHTO OR Proctor) Stabilised Material	Test	420.00
4.3	TMH1 A8	California Bearing Ratio: (CBR) Natural Material	Test	520.00
4.4	TMH1 A9	California Bearing Ratio: (CBR) Stabilised Material	Test	560.00
4.5	TMH 1, A16T	Indirect Tensile Strength (ITS) (minimum 3 briquettes required per test)	Test	565.00
4.6	TMH 1, A14	Unconfined Compressive Strength (UCS) (minimum 3 briquettes required per test)	Test	565.00
4.7		Unconfined Compressive Strength (Cure & Test)	Briq	110.00
4.8		Indirect Tensile Strength (Testing Only)	Briq.	110.00
4.9		Unconfined Compressive Strength (UCS) on emulsion treated materials (minimum 3 briquettes required per test)	Test	715.00
4.10		Indirect Tensile Strength (ITS) on emulsion treated materials (minimum 3 briquettes required per test)	Test	715.00

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## Scale of fees

### AGGREGATES

<i>Item No.</i>	<i>Method</i>	<i>Description</i>	<i>Unit</i>	<i>Rate R (exc. Vat)</i>
5.1	TMH1 B4	Sieve Analysis of aggregates to 0.075mm	Test	220.00
5.2	SABS 829	Sieve Analysis on fine aggregates with Fineness Modulus (4.75mm minus)	Test	230.00
5.3	TMH1 B9	Compacted Bulk Density (CBD) – on fine aggregates	Test	150.00
5.4	TMH1 B9	Loose Bulk Density (LBD) – on fine aggregates	Test	150.00
5.5	TMH1 B9	Compacted Bulk Density (CBD) – on coarse aggregates	Test	240.00
5.6	TMH1 B9	Loose Bulk Density (LBD) – on coarse aggregates	Test	150.00
5.7	K. HEAD	Specific Gravity (Density Bottle Method)	Test	155.00
5.8	K. HEAD	Moisture Content	Test	45.00
5.9	TMH1 B3	Flakiness Index of Aggregate	Test	480.00
5.10	TMH 1 B2 / SABS 841	Aggregate crushing value (Dry )	Test	385.00
5.11	TMH 1 B2 / SABS 841	Aggregate crushing value (Wet )	Test	420.00
5.12	TMH 1 B2 / SABS 841	10 % Fines aggregate crushing value (Dry)	Test	845.00
5.13	TMH 1 B2 / SABS 841	10 % Fines aggregate crushing value (Wet)	Test	955.00
5.14		Apparent Relative Density	Test	250.00
5.15		Average Least Dimension		300.00

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## Scale of fees

### CONCRETE

<i>Item No.</i>	<i>Method</i>	<i>Description</i>	<i>Unit</i>	<i>Rate R (exc. Vat)</i>
6.1		Concrete Mix Design (Including testing of three aggregates & six cubes	Mix	3300.00
6.1.1		Additional Mix Design using aggregates in item 6.1 above including six cubes	Mix	1210.00
6.2	SABS 862	Slump Test only (excluding time & travel)	Test	115.00
6.3	SABS 861 & SABS 862	Manufacture of six cubes, test for slump. (excluding time & travel)	Test	570.00
6.4	SABS 863	Compressive Strength of Concrete Cubes	Cube	40.00
6.5	SABS 1058	Compressive Strength of Paving Bricks	Specimen	80.00
6.6	SABS 865	Compressive Strength of Concrete Cores	Core	360.00
6.7	SABS 1215	Compressive Strength of Masonary Bricks	Specimen	100.00
6.9		Schmidt Hammer Test		200.00

NB. The above prices exclude VAT

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## Scale of fees

### CHEMICAL

<i>Item No.</i>	<i>Method</i>	<i>Description</i>	<i>Unit</i>	<i>Rate R (exc. Vat)</i>
7.1	TMH1 A15d	Determination of lime or cement of stabilised materials		
7.1.1	TMH1 A15d	Calibration Curve	Test	320.00
7.1.2	TMH1 A15d	Stabiliser Content	Sample	165.00
7.2	KZNPA	Initial Lime Demand (I.C.L)	Sample	POA
7.3	TMH1 B6	Organic Impurities (Colour Method)	Sample	175.00

## Scale of fees

### DRILLING OF CORES

<i>Item No.</i>	<i>Description</i>	<i>UNIT</i>	<i>Rate R (exc. Vat)</i>
8.1	Drill 100mm diameter Asphalt Core	Per mm	3.00
8.2	Drill 150mm diameter Asphalt Cores	Per mm	3.50
8.3	Trim asphalt core	Per Slice	35.00
8.4	Drill 100mm diameter Concrete Core	Per mm	3.50
8.4.1	(Extra over for steel)	Per mm	10.00
8.5	Drill 150mm diameter Concrete Core	Per mm	3.50
8.6	Texture Depth		255.00
8.7	Ball Penetration		250.00

NB. The above prices exclude VAT

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## Scale of fees

### ASPHALT

<i>Item No.</i>	<i>Method</i>	<i>Description</i>	<i>UNIT</i>	<i>Rate R (exc. Vat)</i>
9.1	TMH1 C7b, B4	Binder Content and Sieve Analysis of Bituminous Mixture	Sample	530.00
9.2	TMH1 C2 Appendix	Manufacture Cylindrical Marshall Briquettes	Briquette	125.00
9.3	TMH1B4,C7b,C2,C3,C4a	Complete Marshall Analysis (excluding 9.2 above)	Sample	1100.00
9.4	TMH1 C2	Marshall Stability and Flow (excluding 9.2 above)	Briquette	105.00
9.5	TMH1 C4a	Max. Theoretical Relative Density (Rice's)	Test	245.00
9.6	TMH1 C3	Bulk Relative Density	Core/Briquette	105.00
9.7	TMH 1C3, C4a	Voids Content	Sample	340.00
9.8		Manufacture Marshall Briquettes (Foamed Asphalt)	Briquette	120.00
9.9		Marshall ITS-Dry (Foamed Asphalt)	Briquette	120.00
9.10		Marshall ITS-Wet (Foamed Asphalt)	Briquette	145.00
9.11		Bulk Relative Densities on briquettes(Foamed Asphalt)	Briquette	105.00
9.12		Foaming & Preparation of sample	Sample	80.00

NB. The above prices exclude VAT

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**Scale of fees**

**SOIL SURVEY**

<i>Item No.</i>	<i>Description</i>	<i>Rate R (exc. Vat)</i>
10.1	Excavation of Inspection Pits	POA
10.2	Auger of Inspection Pits	POA

NB. The above prices exclude VAT  
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**Consolidation**

**Oedometer Test (60mm diameter)**

Item No.	Method	Description	Unit	Rate R (ex VAT)
11.1	BS 1377 Part5	<u>Standard Consolidation Test</u> with loading increments up to 1600 kN and 3 unloading increments. Time settlement curves for all loading stages.	Per Sample	2,638.00
11.2	BS 1377 Part5	<u>Swell Potential (Pressure) Test</u> with specific gravity (measure of maximum pressure to prevent swell)	Per Sample	823.00
11.3	K.H Head (Modified)	Swell Test (Rapid)	Per Sample	580.00
11.4	Brackley	Brackley Swell Test	Per Sample	883.00
11.5	K.H Head(modified)	Swell Test followed by standard consolidation test	Per Sample	3,303.00
11.6	Prof. Knight	Collapse Potential Test	Per Sample	762.00
11.7	K.H Head(modified)	Collapse Potential Test followed by Consolidation	Per Sample	3, 243.00

\*Note: All above tests include costs for specific gravity

NB. The above prices exclude VAT

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### Scale of Fees

#### GEOTECHNICAL INVESTIGATION - TRIAXIAL TESTS (38mm Ø 76mm Light

Item No.	Method	Description	Unit	Rate R (ex VAT)
12.1	BS 1377 Part7	Unconsolidated Undrained Triaxial Compressions Test (U.U)	Per sample	2,420.00
12.2		As for 12.1 above but Recompacted (Excluding Mod AASHTO)	Per sample	2,299.00
12.3	BS 1377 Part8	Consolidated Drained Triaxial Compression Test (C.D.) 0-8 Hour Duration – Undisturbed	Per sample	5, 445.00
12.4		As for 12.3 above but 8 hours or more	Per sample	6,050.00
12.5		As for 12.3 above but Recompacted and testing for 0-8 hours excluding Mod AASHTO	Per sample	4,840.00
12.6		As for 12.5 above but 8 hours or more	Per sample	6,050.00
12.7	BS 1377 Part8	Consolidated Undrained (C.U.) Triaxial Compression Test without Pore Pressure Measurements 0-8 hour Duration - Undisturbed	Per sample	5,445.00
12.8		As for 12.7 above but 8 hours or more	Per sample	6,050.00
12.9		As for 12.7 above but Recompacted and Testing for 0-8 hours excluding Mod AASHTO	Per sample	4,840.00
12.1		As for 12.9 above but 8 hours or more	Per sample	6,050.00
12.11		Extra Over for 12.1 to 12.7 for each Additional Cell Pressure	Per sample	545.00
12.12		“E” Value on Triaxial Sample	Per sample	629.00

NB. The above prices exclude VAT

\*POA= Price on Application

**Scale of Fees**

**GEOTECHNICAL INVESTIGATION - DIRECT SHEAR TEST (SHEAR BOX)**

Item No.	Method	Description	Unit	Rate R (ex VAT)
13.1	BS 1377 Part7	Unconsolidated Undrained Rapid Shear Test (U.U)	Per sample	1,452.00
13.2	BS 1377 Part7	Consolidated Drained Shear Test 0-8 hours	Per sample	1,634.00
13.3		As for 13.2 above + 8 hours or more	Per sample	2,178.00
13.4		C.D. Recompacted 0-8 hours excluding Mod AASHTO	Per sample	1,452.00
13.5		C.D. Recompacted 8 hours or more excluding Mod AASHTO	Per sample	1,815.00
13.6	BS 1377 Part7	Rapid Unconsolidated Undrained Shear Reversal Test for Residual Strength	Per sample	1,634.00
13.7	BS 1377 Part7	Consolidated Drained Reversal Test for Residual Strength	Per sample	1,997.00
13.8		Plot Stress / Stain Graphs – O.R.	Per sample	157.00

\*All prices quotes for 3 specimen per sample

NB. The above prices exclude VAT

\*POA= Price on Application