



"An Effort for Quality Construction"

जियो टेस्टिङ्ग एण्ड कन्स्ट्रक्सन प्रा.लि. Geo Testing & Construction Pvt. Ltd.

Butwal, Rupandehi

नेपाल सरकार, नेपाल गुणस्तर तथा नापतौल विभाग बाट प्रमाणित
माटो परिक्षण तथा निर्माण सामग्री परिक्षण प्रयोगशाला
(Soil & Material Testing Laboratory)

सम्पर्क नम्बर -071-502366, Mobile:977-9857073431,9843209431,9843209430,9841803431

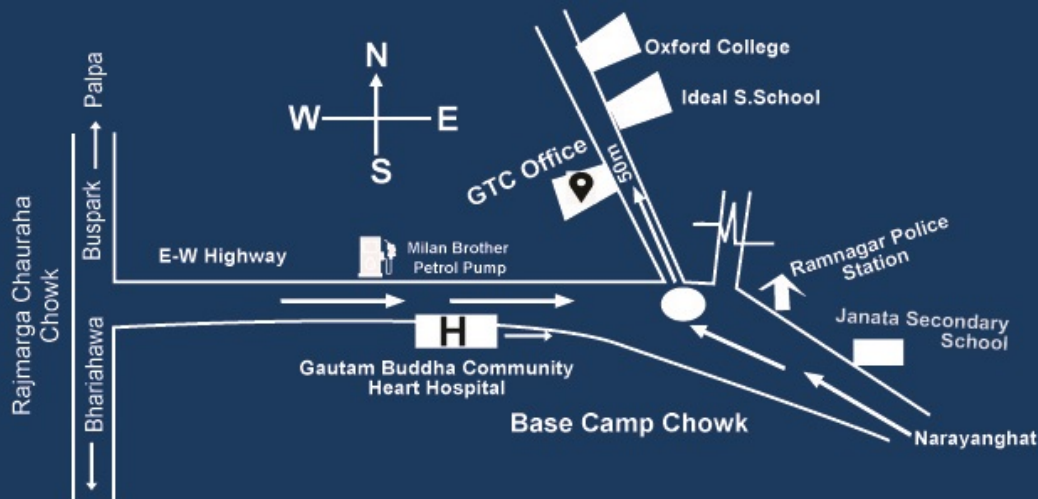
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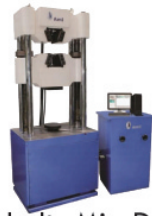
Our Strength

- Well equipped soil and material testing lab.
- In house enthusiastic and experienced expert team.
- Dedicated for quality works.



Material Testing (मेटेरियल टेस्टिंग)

- 1) **Tensile Strength test and Bend Rebind Test (UTM)** for Reinforcements bar (Re-bar/TMT bar up to 42mm) and Tendons wires.



- 2) **All test for Bituminous and Asphalts Materials:** Asphalts Mix Design Penetration test, Ductility test, Viscosity test, Softening point test, Marshall Stability, Flow Test, Field density test (Core Cutting) and other test.



- 3) **All Test for Aggregates Shape tests:** Flakiness index (FI), Elongation Index (EI) test, Angularity number (AN), Aggregate Impact value (AIV), Aggregate Crushing value (ACV), Los Angeles abrasion test; Soundness test; Specific gravity and water absorption test.

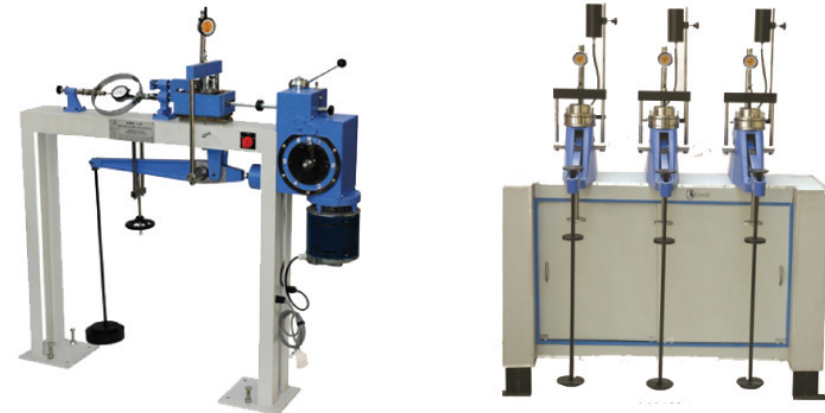


- 4) **All test for Cement and Concrete:** consistency test, slump test, setting time test, Soundness test, Compressive strength test, Fineness test and Mix Design



Soil Testing (माटो परिक्षण)

- 1) Soil exploration by Rotary drilling (depth up to 100 meter)
- 2) Grain Size Analysis/particle size distribution
- 3) Atterberge Limits test (Liquid limit, Plastic limit, shrinkage limit)
- 4) Specific gravity test (Pycnometer method)
- 5) Density test (OMC, dry density, core cutter)
- 6) Moisture content tests (Oven dry method)
- 7) Direct Shear test
- 8) Unconfined Compression test
- 9) Standard Penetration test (SPT/DCPT)
- 10) Consolidation test
- 11) Compaction test
- 12) California Bearing Ratio (CBR) Test



क्यासकेड रिसर्च एण्ड इंजिनियरिंग सर्विसेस प्राइवेट लि. Cascade Research & Engineering Services (P) Ltd.

Butwal, Rupandehi

सम्पर्क नं. ९८४३३०९४३०, ९८५७०७३४३१, ०७१-५०२३६६

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परामर्श सेवा अन्तर्गत उपलब्ध सेवाहरू

सम्पूर्ण सरकारी, गैरसरकारी, निजी, तहका संरचनाहरू पुल, सडक, ढल निकास, खानेपानी, सिंचाइ, खेलमैदान, भवन, पार्क, टावर, होटेल, उद्योग, पोखरी लगायतका योजनाको बिस्तृत सर्भे, डिजाइन, डि.पि.आर (DPR), नक्सा, स्टीमेट र निर्माण परामर्श



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Butwal, Rupandehi

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उपलब्ध प्रयोगशाला परिक्षणहरू

Material testing (मेटेरीयल टेस्टिंग)

- 1) Tensile Strength test and Bend Reband Test (UTM) for Reinforcements bar (Re-bar/TMT bar up to 42mm) and Tendons wires.
- 2) All test for Bituminous and Asphalts Materials: Asphalts Mix Design Penetration test, Ductility test, Viscosity test, Softening point test, Marshall Stability, Flow Test, Field density test (Core Cutting) and other test.
- 3) All Test for Aggregates(Shape tests: Flakiness index(FI), Elongation Index (EI) test, Angularity number (AN); Aggregate Impact value(AIV); Aggregate Crushing value (ACV) ; Los Angeles abrasion test; Soundness test; Specific gravity and water absorption test.
- 4) All test for Cement and Concrete: consistency test, slump test, setting time test, Soundness test, Compressive strength test, Fineness test and Mix Design.

Soil Testing (माटो परिक्षण)

- 1) Soil exploration by Rotary/Percussion drilling (depth up to 100.meter)
- 2) Grain Size Analysis/particle size distribution
- 3) Atterberge Limits test (Liquid limit, Plastic limit, shrinkage limit)
- 4) Specific gravity test(Pycnometer method)
- 5) Density test(OMC, dry density, core cutter)
- 6) Moisture content tests (Oven dry method)
- 7) Direct Shear test
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- 11) Compaction test
- 12) California Bearing Ratio (CBR) Test



सिग्मा ट्रेड तथा सप्लायर्स प्राइवेट लिमिटेड Sigma Trade & Suppliers Pvt. Ltd.

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Our Services

- 1) Supply & Service for quality survey equipments.
- 2) Supply & Service for Engineering laboratory
- 3) All types of Safety equipments (PPE) & many more.
- 4) Admixture and Chemical used in construction.



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हाम्रा सेवाहरू :

सम्पूर्ण सरकारी, गैरसरकारी, निजी, तहका संरचनाहरू पुल, सडक, ढल विकास, खानेपानी, सिंचाइ, खेलमैदान, भवन, पार्क, टावर, होटेल, उद्योग, पोखरी लगायतका योजनाको विस्तृत सर्वे, डिजाइन, डि.पि.आर (DPR), नक्सा, स्टीमेट र निर्माण

परामर्श

सिग्मा ट्रेड तथा सप्लायर्स प्राइमेट लिमिटेड अन्तर्गत उपलब्ध सेवाहरू:

- ✓ सम्पूर्ण सर्वे सम्बन्धि सामग्रीहरू: लेभल मेसिन (Auto Level) टोटल स्टेशन (Total Station), जि.पि.एस. (GPS) लगायतका सामानहरू सुपथ मूल्यमा
- ✓ इंजिनियरिङ प्रयोगशाला सम्बन्धि आवश्यक सम्पूर्ण उपकरणहरू
- ✓ Personal Protective Equipment (PPE) व्यक्तिगत तथा निर्माण सेफ्टीका सम्पूर्ण सामानहरू
- ✓ साथै सर्वे उपकरणहरू लेभल मेसिन (Auto Level), टोटल स्टेशन (Total Station) माडामा पनि पाईन्छ ।