"The Unique Solution For Testing"

Curve Surveys & Lab

ABOUT COMPANY

CSL provides geotechnical drilling & testing services, construction-phase materials testing and engineering consulting services & Survey. Our commitment to quality & customer service shows in all aspects of our business. We are dedicated to ensuring projects are completed successfully and on time.

CSL is an ISO 9001:2008 Certified state-of-the-art Laboratory for carrying out various tests in sub soil exploration & building material testing. Over the years CSL Labs has acted as a reliable platform for its customers in the field of analysis and today it is associated with many of the giant customers providing prompt and accurate testing services.

AREA OF SPECIALISATION

Survey

- Land Surveying is the technique and science of accurately determining the terrestrial or three-dimensional position of points and the distances and angles between them. they are often used to establish land maps and boundaries for ownership or governmental purposes.
- Land surveying can include associated services such as mapping and related data accumulation, construction layout surveys, precision measurements of length, angle, elevation, area, and volume, as well as horizontal and vertical control surveys, and the analysis and utilization of land survey data.
- Surveying has been an essential element in the development of the human environment since the beginning of recorded history (about 5,000 years ago). It is required in the planning and execution of nearly every form of construction. Its most familiar modern uses are in the fields of building and construction, mapping, and the definition of legal boundaries for land ownership

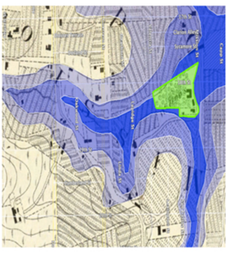
Non Destructive Testing Services

- Non-destructive testing (NDT) refers to the testing/verification of materials, in order to check, inspect or evaluate the surface for the presence of any internal flaws, defects, and discontinuties,without damaging it or impairing its future usability. Basically, NDT testing is used to investigate the material integrity of the test item.
- Classification NDT technique can be categorized or classified into a number of types depending on the physical or chemical property utilized for the particular method. Some of the basic types are Visual, Liquid Penetrannt, Magnetic-particle, Radiography, Eddy Current testing, and Ultrasonic

Metals & Alloys Testing

- Curve Serveys & Lab Ltd is fully equipped to perform qualitative and quantitative analysis of almost all the known elements in the periodic table, be it metals, non-metals or alloys. Spectro employs both traditional techniques,i.e. Wet chemical methods as well as instrumentation techniques for conducting the analysys. The laboratory prossesses modern and sophisticated instrumens like ICP-OES, Spark OES and XRF besides AAS.
- Curve Serveys & Lab has the distiction of being the first laboratory amongst all commercial laboratories in india to introduce the use of direct/Spark Optical Emission Spectrometer(Spark OES) techniques for analysys of almost all the known metals in the solid form. It has the largest capability in the country to analyze any Metal-ferrous, non-ferrous or precious metals.

Contour Survey



- Topography specifically involves the recording of relief or terrain, the three-dimensional quality of the surface, and the identification of specific landforms. This is also known as geomorphometry. In modern usage, this involves generation of elevation data in electronic form. It is often considered to include the graphic representation of the landform on a map by a variety of techniques, including contour lines, Hypsometric tints, and relief shading
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Building Materials

- Onevof the key ingredients of a growing and successful economy is the construction industry, ascthe infrastructure of a country relies heavily on it. the best example of a growing economy is India, where of late there has been a surge of construction activities happenning througout the country involving almost each and every sphere of work.
- Sine different construction items have different items have different properties and also their application are varied, a number of national and international specification pertaining to the scope of application and any relevant regulatory requirements have been formulated. The analyses of building materials have to be conducted as per various accepted standardized test methods.The various standards include IS,ASTM,BSI,ISO etc.

Soil & Material Testing

Soil Investigation

- Soil Engineering is one of the youngest disciplines of civil engineering involving the study of soil, it's behavior and application as an engineering material.
- The term 'Soil Engineering' is currently use to cover a much wider scope implying that is a practical science rather than a purely fundamental or mathematical one.
- Good soil engineering embodies the use of the best practices in exploration, testing, design and construction control.

Level Survey

- Surveyor's level, instrument used in surveying to measure the height of distant points in relation to a bench mark (a point for which the height above sea level is accurately known. The theodolite, or transit, is used to measure horizontal and vertical angles; it may be used also for
- The primary reference at water-level recording stations is a set of stable bench-marks, installed in locations where their level should not change. Upon initial set-up of a station, the levels of the relevant parts of the installation are established and recorded by means of accurate leveling.

GPS Survey

- The GPS (Global Positioning System) is one of the viable systems which meets the requirements of the surveying fraternity all over the globe. It is a space-based all weather radio navigation system.
- The numerous limitations of the terrestrial surveying like requirement of inter-visibility of survey stations, dependability on weather, difficulties in night observations, 3D position parameters etc could be overcome using GPS techniques. These advantages over the conventional techniques coupled with economy in time and cost, accuracy, speed and versatility in operation make GPS the most promising surveying tool of the future. Thus, a great technological revolution is taking place at the development of GPS as it can be used in any conceivable problem under the sky, where the exact position of any object or phenomena involve

--- Topography & Cotour Survey
--- Alignment Survey for road, railway, pipe-
--- Earthwork Estimation
--- network survey for water & gas distribution
--- Quantity Survey

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