

ADVANCED SOIL TESTING SERVICES



COS CONSULTANCY SERVICES
GEO-TECH ENGINEERING DIVISION



ISO / IEC 17025:2017
Quality Management
System implemented &
NABL Accredited
laboratory for testing
services



NABL Accredited Laboratory with Scope More than 45 tests

"Our Expertise in soil has many layers and solutions"



GEOTECHNICAL INVESTIGATION

Our Geo Tech Engineering Division focused on providing an integrated service by bringing a unique blend of in-house strength of heavy duty rigs, insitu testing tools and equipments.

- ❖ Soil Boring
- ❖ Core Drilling
- ❖ Standard Penetration Test
- ❖ Dynamic Cone Penetration Test
- ❖ Pile Load Test
- ❖ Plate Load Test



LABORATORY TESTING

Our NABL Accredited Testing Laboratory offers a range of laboratory and field testing services that address the need of clients in all Infrastructure / Construction Sectors.

- ❖ Soil Testing
- ❖ Rock Testing
- ❖ Road Material Testing
- ❖ Building Material Testing
- ❖ Concrete Testing
- ❖ Non-Destructive Testing
- ❖ Testing of M.Sand / P.Sand



SURVEYING AND MAPPING

We provides survey solutions using advanced technologies including Engineering grade Terrestrial, Drone and LIDAR, mapping to derive highly accurate Digital Terrain Models (DTM).

- ❖ Topographic / Contour survey
- ❖ GIS / GNSS mapping
- ❖ Drone / UAV / LIDAR Survey
- ❖ Bathymetric Survey



ROAD INVENTORY AND CONDITION SURVEY

Road and Structure inspections are done using advanced inspection techniques, Engineering judgement and by Evaluating Subgrade/ Embankment Properties.

- ❖ Pavement Condition Survey
- ❖ Road Roughness Survey
- ❖ Benkelman Beam Deflection
- ❖ Subgrade / Material Testing
- ❖ Road and Structure Inventory



TRAFFIC ENGINEERING

COS, For the First time in India became an expert in Traffic Automatic Traffic Counter and Classifier (ATCC) and Automatic number plate recognition (ANPR) which is a mass surveillance method that performs on images to read the license plate on vehicles aiming to achieve the safe and efficient movement of people and goods on roadways.

- ❖ Automatic Traffic Counter and Classifier (ATCC)
- ❖ Automatic number plate recognition (ANPR)
- ❖ Traffic Survey and Analysis Survey
- ❖ Axle load Survey
- ❖ Origin - Destination Survey

TOTAL SOLUTION FROM A SINGLE WINDOW

"Solution Partner for Civil & Infrastructure Engineering"

COS CONSULTANCY SERVICES



"COS CONSULTANCY SERVICES" was founded by Dr.T.Mayilvahanan in the year 1993 in the city of Madurai which completed the Silver Jubilee. Later Geo Tech Engineering Division was started in the year 2005 which has been conducting sub soil Investigation for both Government, Public and Private Sector Undertakings. Clientele also includes **Maharatna** and **Miniratna** companies in India.



NABL ACCREDITATION

COS has an in-house testing Laboratory which is accredited under **NABL** in accordance with the standard **ISO / IEC 17025 :2017** combined with **ILAC-MRA** for facilities in the field of testing.

OUR EXPERTISE

Our expertise in GeoTechnical investigation / Laboratory Testing / Surveying and Mapping / Road Inventory and Condition survey / Traffic Engineering are well acclaimed in Industry for Infrastructure / Railways / High Rise buildings / Industrial and Power sector development. From 2005 we have completed nearly 500 Projects.

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|---|-------|
| ● Petroleum Industry, Power Industry & Paper Industry | – 30 |
| ● Textile Industry, Factory Complexes & Cement Industry | – 45 |
| ● Bridges | – 100 |
| ● Highway Projects | – 30 |
| ● Airport | – 01 |
| ● Tunnel | – 02 |
| ● Hotels | – 10 |
| ● Housing & Multistoried Structures | – 200 |
| ● Hospitals | – 12 |
| ● Railway Projects | – 20 |
| ● Topographical / Drone / LiDAR Survey | – 50 |



BUILDINGS



ROADS



INFRASTRUCTURE

OUR CLIENTELE



For the further details please visit our website - www.cosgeo.in

Corporate Office Address:



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Laboratory Address:

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Mobile: 73977 42510.