



IMARAT ENGINEERING LABS PRIVATE LIMITED

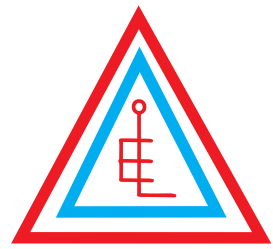
(NABL ACCREDITED LAB)

Environment Testing | Soil Testing
Project Management | Quality control consultants
Building Material Testing Laboratory



SCF-29, S.S.T. Nagar, Patiala 147001 (Pb.)
Mob. 98140-04598 Office 81959-54598

Imarat Engineering labs Private Limited working since 1998 in the field of Testing of Construction material in laboratory as well as on site, under the guidance of Er. Rishi Garg. The aim is to provide high quality, reliable and timely testing services to the clients, based on accurate test results adhering to standard test methods, under the expert guidance of highly qualified professionals.



INTRODUCTION

We have a full-fledged laboratory for carrying out soil investigations and testing of various types of construction materials at SCF-29 SST Nagar Patiala since 1998. All tests are conducted in accordance with national and international standards. All the quality manual and procedure manual are adopted as per ISO 17025: 2017 to achieve international quality standards. We are also rendering testing services to large number of private multinational projects coming up at various places in Punjab, Haryana, Himachal and Jammu, recommended by leading architects and structural designers.

We have well experienced, educated and dedicated staff. Our QA/QC engineers are continuously trained and certified by our respective consultants, working professionals and our other associates.

VISION AND QUALITY POLICY

- ❖ Imarat Engineering Labs Private Limited is committed in providing the highest quality of testing and inspection services to our customers as per ISO: 17025
- ❖ Consistently meeting our customer's expectations for quality and performance.
- ❖ Timely delivery of services.
- ❖ To Provide a system for employee's involvement, motivation and continuous training.
- ❖ Monitoring benchmarking and continuously improving our business, services and performance.
- ❖ Continual improvement of our process and system.

WE WILL ACHIEVE THIS BY

- ❖ Understanding the requirements of our jobs and the systems that support us - through training and education.
- ❖ Making continual improvement a part of every day and every job - by team participation, measurement and customer feedback process.
- ❖ Understanding how our jobs fit into the overall flow of work at Imarat Engineering Lab.

Associations: We are associated with the high profile Consultants, Engineers, Working professionals as partners spreading all over India.

SOIL AND MATERIAL TESTING LABORATORY

We have well equipped material testing laboratories at Patiala (Pb.) equipped with hi tech, digitalized and computerized machines. We have facility to test following building material:

- ❖ Soil
- ❖ Concrete
- ❖ Cement
- ❖ Aggregates
- ❖ Bricks
- ❖ Steel (Reinforced and structure)
- ❖ Tiles
- ❖ Bitumen
- ❖ Aluminium Section
- ❖ Timber | Wood | Plywood
- ❖ Solid Block | Hollow Block | Paver Block
- ❖ Special Engineering Materials (On request of client)

GEOTECHNICAL INVESTIGATION AND FIELD TESTING

Our expert team of engineers with hi-tech equipments provide Geotechnical investigation services. We have our dedicated mobile Testing Vans and teams ready to move for field jobs. We provide the following field tests.

- ❖ Standard penetration test
- ❖ Plate load test
- ❖ CBR test (lab and field)
- ❖ Triaxial test
- ❖ Direct Shear test
- ❖ DCPT
- ❖ Rebound Hammer test
- ❖ Permeability Test
- ❖ In situ density and moisture content
- ❖ Electrical resistivity test
- ❖ Bankman Beam Deflection test for roads and many other tests related to soil
- ❖ Ultrasonic pulse velocity test and many others tests to related to soil

SURVEYING (WITH TOTAL STATIONS AND AUTO LEVELS)

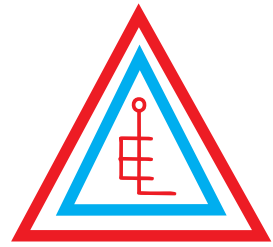
The survey is done with total Electronic station with great accuracy universally accepted

- Topography of Roads, bridges, Towns, Sectors, Buildings, open lands etc.
- Layout /Demarcation of sectors, bridges and industrial sheds etc.
- Marking alignment of new routes including setting out curves.
- Topographical survey for electrical supply lines, public health lines.
- Preparation of L-Sections and cross sections as required and preparation of B.O.Q with latest softwares.

SAMPLING AND ANALYSIS OF WATER AND WASTE WATER

We are well equipped water and waste water testing Laboratory of Patiala (Pb) equipped with state of the art instruments. We conduct tests of

- ❖ Drinking water
- ❖ Ground water
- ❖ Surface Water
- ❖ Effluent waste water
- ❖ Industrial Waste Water
- ❖ Project Feasibility reports



AMBIENT AIR TESTING FACILITY

We have specialized personnel for operating hi-tech international standard equipments for stack monitoring Ambient Air Testing. We measure the following parameters:

- ❖ Particulate matter
- ❖ O₃- Ozone
- ❖ NH₃- Ammonia
- ❖ Carbon monoxide (CO)
- ❖ Carbon dioxide (CO₂)
- ❖ Nitric oxide (NO)
- ❖ Nitrogen Dioxide (NO₂)
- ❖ NO_x- Oxides of Nitrogen
- ❖ SO_x - Oxides of Sulphur
- ❖ O₂ - Oxygen
- ❖ Ambient Noise (Sampling Analysis)

MICROBIOLOGICAL TESTING OF WATER AND WASTE WATER

Sampling & Analysis of Microbiological Parameters of Water and waste water.

- ❖ Total Coliform
- ❖ E. Coli
- ❖ Faecal Streptococci
- ❖ Faecal Coliform
- ❖ Standard plate count (Spc)

OTHER FACILITIES

- ❖ Project Management
- ❖ Concrete rebound hammer test
- ❖ Core cutter extraction/ Test facility
- ❖ Transportation facility
- ❖ Delivery of reports
- ❖ Noise Illuminance

MIX DESIGNS

- ❖ Concrete mix design
- ❖ Bituminous Mix design for roads by Marshall stability method.
- ❖ Mix design for soil stabilization for roads and building foundations.
- ❖ We also provide mobile testing van for field testing or On site testing in remote area.

OUR WORKING PARTNERS



Himachal Futuristic Communications Ltd.



MAP LOCATION

