

# SURVEY TECH (PVT) LTD

CONTRACTORS, ENGINEERS, GEOLOGIST & SURVEYORS

## COMPANY PROFILE



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# *About Our Company*

## ❖ Who We Are

**SURVEY TECH (PVT) LTD** is a Consulting Engineering, Geo Tech engineering, Topographic Survey, Traffic Survey and Land Survey & Quantity Surveying Company, which is providing its services to the Government, Public, Private and commercial sectors in the whole Pakistan, Afghanistan and Middle East. We are specialists in the field of Survey Engineering, Quantity Surveying and Mapping services

**STP** stands for quality of service to clients and professional satisfaction of the employees. In today's demanding and complex industry; businesses must rely on experienced and qualified individuals to manage their projects. Due to the increasing trend of "down-sizing" in-house resources and in many instances, the lack of in-house resources; business executives must seek the services of a qualified consultant.

**STP** is the only Professional Land Survey Company in Pakistan. It is headed by a Professional Land Surveyor with over 20 years of Survey, Mapping and Project Management experience of large projects in Pakistan. We provide a broad spectrum of services in all disciplines of Survey, Mapping, Photogrammetric, Remote Sensing and GIS data acquisition and processing. We are equipped with modern electronic survey equipment and have in house hardware and software facilities for computer aided mapping.

**STP** has proven its capability to provide excellent quality services under aggressive time constraints.

### **1.1 THE FIRM SURVEY TECH (PVT) LTD (STP)**

**SURVEY TECH (PVT) LTD** is an independent Pakistani own multidisciplinary company, involved in providing Land survey services all over the world, established in 1999.

**SURVEY TECH (PVT) LTD** is a leading, global, knowledge-driven service provider. It provides Land survey services in the fields of buildings, water resources and energy, agriculture development, infrastructure development, motorways, highways, institutional development, rural and urban development. With client success central to our total business approach, fulfill project or program needs from concept to completion and beyond. **STP** has completed more than 500 projects, currently **STP** is committed to 10 on-going projects.

**STP** has established a solid reputation in providing technical assistance to different renowned engineering consultants & Architects. **STP** is one of the leading Surveying firm in Pakistan having international operations. It employs over 100 professionals and support staff across its organization and provides services in diversified fields of survey.

In order to survive in this highly competitive world we cannot relent and be content with what we have. We have to continuously look for new ways to deploy the huge human resource potential for the benefit of clients. We have to keep our goal higher and have to work together towards a better tomorrow.

## 1.2 RANGE OF SERVICES

Following worldwide surveying & geotechnical Investigation services undertaken by the company:-

Countries of Experience	Topographic Survey	Geotechnical Investigation	Pile Foundation	Pile Load Testing	Soil Investigation	EIA & IEE Studied	TIA & Traffic Survey	Social Survey	Architectural Design	Infrastructure Design	GIS & Mapping
Pakistan	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Afghanistan	✓	✓	✓	X	✓	✓	✓	X	✓	✓	✓
Middle East	✓	✓	✓	X	✓	✓	✓	X	✓	✓	✓

**STP** is a leading, global, knowledge-driven service provider, active in the fields of buildings, water resources and energy, agriculture development, infrastructure development, environment, motorways, highways, institutional development, rural and urban development.

We take pride in being a reliable partner to our clients. We provide our clients with services that achieve their legitimate goals, while being honest and fair, and respecting laws and culture of the countries in which we operate. We provide our colleagues with a supportive environment that encourages them to make appropriate, ethical and conscientious decisions that impact our business in a positive way.

We understand what drives our clients' business and we create innovative solutions tailored to their specific needs. We apply the best practices of our firm for our clients

around the world. As colleagues we are entrepreneurial as we apply the collective knowledge and full capabilities of our organization to create profitable growth through new business opportunities.

We demonstrate a sense of urgency in responding to our clients' needs and we are resourceful and creative in overcoming obstacles. We react quickly to the needs of our colleagues, by respecting them as clients and we are eager to continuously improve our performance.

We aim for identity of purpose with our clients - listening to what they say and sharing their perspective so as to deliver the advice they need. For many years we have assisted private and public sector clients throughout the world, helping them achieve business and development objectives.

### **1.3 PROJECT DATA SHEETS**

We have an advantage in this particular project that we have specialization in similar kind of projects in all regions of Survey all around the country. We have just finished

- Topographic survey of NHA Road 216 km Gilgit shandoor Road Project with Zeeruk International Islamabad.
- Topographic Survey Of Karachi Northern Bypass 56 km with ACE (TES) Pvt Ltd
- Traffic Survey & TIA Reports of 25 Districts of Punjab with Allied engineering Consultant for OPUS international project.
- Topographic survey of 36 km proposed Wasa Water Pipe line from Ravi Syphone Treatment Plant to Ferozpur Road Lahore with MMP consultant Lahore.
- Topographic Survey Of Peshawar Greater water Supply Scheme with 70 Km Route Pipe Length survey (Dia 3000mm) + 5 no's area (1000 acre) for Treatment plant, Munda Dam To Peshawar & Warsak Dam to Peshawar with NESPAK EPHED Division.
- Topographic Survey of 11 km Water Pipe line Project from Ahmedpur Lama to Sadiqabad JDW-II Sugar Mill.
- Geotechnical Investigation and Topographic survey of 300 MW ZORLU Solar power project at Quaid e Azam Solar Park, Bahawalpur.
- Geotechnical Investigation and Topographic survey of Imtiaz Superstore Sialkot.
- Geotechnical Investigation and Topographic survey of 100 Acre Private Land Near DHA Lahore.
- Construction and Pile Load Test (1000 tons cap-) for Multan Metro Rapid Bus (BRT) Project, Multan.
- Geotechnical Investigation and Topographic survey of of 12,000 acre (50 sqkm) Project of DHA City Project a Project of DHA Karachi.
- Detailed Topographic Survey (Plan & Profile, X-Section) of more than 3000 km of Road projects with Ace (Tes) Consultants Lahore.
- Topographic Survey of Daral Khawar dam in Bahrain Swat with Ace (pvt) Ltd
- Detailed Topographic Survey (Plan & Profile, X-Section) of more than 500 km Transmission Line project with NESPAK Lahore.
- Detailed Topographic Survey (Plan & Profile, X-Section) of 100 km Lahore Sialkot Motorway Road Project with NESPAK Lahore

# **EXPERIENCE**

In the last Ten years we have completed the following projects.

✓ **(ACE) Associated Consulting Engineer Lahore.**

1. Topographic Survey Of Karachi Northern Bypass 56 km
2. Topographic Survey Of Lahore Karachi Motorway Section-1 120km (Jamshoro To Sukhar)
3. Topographic Survey Of Lahore Narowal Motorway 70 km
4. Topographic Survey of G-14 & G15/3 (1,500 acre) for CDA / Government Employ Housing Scheme Islamabad Jointly with Ace Group.
5. Topographic Survey of (1,200 acre) for Government Employ Housing Scheme Rawalpindi Jointly with Ace Group.
6. Geotechnical Investigation and Topographic survey of 207 km Road project in Sindh District Dadu & Jamshoro.
7. Topographic survey of 300 km (N-5) National Highway Road project in Sindh from Hala to Moro Section and Kot Sabzal sadiqabad
8. Topographic Survey of 88 km Road project in Sawat Ckakdarra to Madyan
9. Topographic survey *Daral Khawar Dam Bahrain Swat Project*
10. 10 km cross section of River swat near Bahrain
11. Detailed Topographic Survey of 2 No's Interchanges (Bacha Khan IC & Charsada Interchange Project Mardan KPK.
12. Topographic survey of 250 km Road project in Northern area District Batagram, Kohistan & shangla.
13. Topographic survey of 125 km Girot-Kalur kot Road Punjab Provincial Highway.
14. Topographic survey of 53 km Road N-35 Karakurm Highway Project at Batagram Distt- (Battel to Thakot Road).
15. Topographic survey of 30 km Road Kahuta to Kirrot Project at Rawalpindi Distt-
16. Topographic survey of 18 km Road Chukitan-Bravel at Deer District Provincial Highway.
17. Topographic of BRIDGES at Gujrat, Hafizabad & Gujranwala distt-



✓ **Zeeruk Consultants.**

1. Topographic Survey Of NHA Road Gilgit Shandoor Road Project 216 km
2. Topographic Survey of Rawalpindi Ring Road Project 40km
3. Topographic Survey of 10,000 acre for Ranger Town Lahore (DHA Rahber) with Zeeruk Consultants Islamabad.
4. Topographic Survey & Geo Technical Investigation of Lahore Ring road southern Loop (SL-1 & SL-2 section)

✓ **MMP (PVT.) LTD.**

1. Topographic survey of 36 km proposed Wasa Water Pipe line from Ravi Syphone Treatment Plant to Ferozpur Road Lahore with MMP consultant Lahore.
2. Geotechnical Investigation and Topographic survey of 400 miles Punjab Flood Protection Bund Project.
3. Geotechnical Investigation and Topographic survey of Bus Rapid Transit (BRT) Peshawar Projects.
4. Topographic Survey & DTM for WASA Drainage Project Eastern Lahore

✓ **PIONEER CEMENT (PVT.) LTD.**

5. Geotechnical Investigation and Topographic survey of 500 acre for Plant & Quarry area of Pioneer Cement Plant In Chunki District Khushab

✓ **OSMANI & COMPANY (PVT.) LTD.**

6. Construction and Pile Load Test (1000 tons cap-) for Multan Metro Rapid Bus (BRT) Project, Multan.
7. People's Opinion On Transport Environment - Household Survey  
Public transportation studies, Transport modeling and feasibility studies for integrated bus operation in Lahore.

✓ **ZULFIKARABAD DEVELOPMENT AUTHORITY Karachi.**

1. Topographic Geotechnical Investigation and Topographic survey of ZDA CITY SHAH BUNDER NODE-1 (55, 000 acre) for Zulfikarabad Development Authority Karachi Govt. of Sindh with SPPRA Rule.



✓ **SHAHEEN AIRLINE CARGO TERMINAL LAHORE.**

1. Topographic Survey of SHAHEEN AIRLINE Cargo Terminal at Allama Iqbal International Airport Lahore.

✓ **SURVEY OF NEW BENAZEER AIRPORT ISLAMABAD.**

1. Measurement, Cross Sectioning and Topographic Survey of Runway, Taxi way, Approaches and open area within boundary limits for Calculation of earthwork quantities & Drainage purpose at New Benazeer International Airport Islamabad for JV of Technical Associates & Habib Construction.

✓ **D H A Karachi.**

1. Geotechnical Investigation and Topographic survey of D H A CITY KARACHI (12,000 acre) for Defense Housing Authority Karachi.

✓ **DHA Lahore**

1. Topographic Survey of D H A CITY Lahore (6,000 acre) for Defense Housing Authority Lahore/Eden Group.
2. Topographic Survey of D H A Lahore (5,000 acre) for Defense Housing Authority Lahore Jointly with Ace Group.
3. Topographic Survey of D H A Lahore Phase-V (4,500 acre) for Defense Housing Authority Lahore Jointly with Ace Group.
4. Topographic survey of (Masjid Chowk to Phase V Main Boulevard) Road Project at DHA Lahore with Farhan Haider.
5. Detailed Topographic survey of 5 No's main Chowk for Design of Traffic Flow control and Management

✓ **EDEN DEVELOPER Lahore.**

1. Geotechnical Investigation and Topographic survey of Sargodha Eden Housing scheme (More Than 5,000 acre) for den Group.
2. Topographic Survey of Faisalabad Eden Housing scheme (More Than 6,500 acre) for den Group.

3. Topographic Survey of D H A CITY Lahore (6,000 acre) for Defense Housing Authority Lahore/Eden Group.

✓ **NESPAK Lahore.**

1. Topographic survey of Zobe Kuchlak Road (Section-1. 115 km Road) Project with NESPAK for NHA & CPEC.
2. Topographic Survey Of Peshawar Greater water Supply Scheme with 70 Km Route Pipe Length survey (Dia 3000mm) + 5 no's area (1000 acre) for Treatment plant
3. 11 km Route water Pipe line survey for JDW Sadiqabad
4. Topographic survey of LAHORE SIALKOT MOTORWAY (110 km Road & 9 No's of Interchange & flyover) Project with NESPAK for C&W DEPARTMENT
5. 20 km Cross sectioning of Ravi River near Lahore.
6. 56 km Cross section of Jhelum River from Mangla to Downward
7. 10 Km Cross section of River Kabul Near Shabqadar
8. Topographic And Consumer Survey of 132 Kv Transmission Line 155 KM Project with NESPAK for (GUJRANWALA ELECTRIC POWER COMPANY GEPCO) Wapda Department.
9. Topographic And Consumer Survey of 220 Kv Transmission Line ( D G Khan to Loralai length 100 km) Project with NESPAK for Wapda Department
10. Topographic And Consumer Survey of 132 Kv Transmission Line ( Sadiqabad to Jarwar length 60 km ) Project with NESPAK for Wapda Department
11. Detail Topography of New Muree City Patherata at Muree 1000 Acre. With NESPAK
12. Topographic survey of National Highway Road N-70, 51km Sakhi Sarwar to Bewata section With NESPAK.
4. Topographic survey of *Wasa Main Multan city* with (EPHED) Division NESPAK.

✓ **ENGINEERING CONSULTING SERVICES PUNJAB (ECSP)**

1. Topographic survey of Miani sahib Graveyard In Lahore 150 acre Project
2. Geotechnical Investigation and Topographic survey of Sports Board site 140 Play Ground site In Lahore
- 3.

✓ **FARMALL TECHNOLOGIES LAHORE.**

4. Topographic survey 2 No's of Site 3000 acre for agriculture Land use of Chulistan Development authority Bahawalpur.
5. Topographic survey of 80 acre site at Kot Abdul Malik near Lahore Ch Shahbaz farm for agriculture land development.
6. Topographic survey of 100 acre site at Rahim Yar Khan Mian farm for agriculture land development.
7. Topographic survey of 80 acre site at Bedian Road near Lahore Ch Salaho Din farm for agriculture land development.

✓ **Zorlu Energy Turkish Company.**

1. Topographic Survey & Geo Technical Investigation (aprox-1500 acre) for 300 MW (Zorlu Solar Power Project at Quaid E Azam Solar Project Bahawalpur with Zorlu Energy Turkish
2. Topographic Survey & Design Supervision of 1 km x 5 km (aprox-10,000 Kanal 50 MW (Zorlu Wind Turbine Project Jhampir Thatta Sindh with Zorlu Energy Turkish.

✓ **Duyes İnşaat Hafriyat TaahhütTicaret Ltd. Şti (Turkish Company)**

1. Survey work management & construction for 50.5 MW wind turbine Project Phase - II Jhampir District Thatta

✓ **(PALMET )Turkish Engineering.**

1. Detail Topographic survey of Telecommunication project of *PAKTEL* more than 200 sits with *PALMET* Turkish Engineering Firm.

✓ **(EGC) Engineering General Consultants Lahore.**

1. Traffic Survey, Topographic Survey & Geo Technical Investigation of 300 km Road Project at N-5,N-55,N-80 2010 FLOOD PROJECT With *(EGC) Engineering General Consultants.*
2. Topographic survey of 62 km Road Project at Muzzaferabad Distt- (Kohala to Muzzaferabad & Muzzaferabad to Chakothe road) With *(EGC) Engineering General Consultants.*
3. Topographic survey of 44 km Road Midh Ranjha-Ahmad Nagger Provincial Highway/*(EGC) Engineering General Consultants.*

4. Topographic survey of chair lift Murree with (EGC) Engineering General Consultants.
5. Topographic survey of Gujranwala Bridge with (EGC) Engineering General Consultants.

✓ **(AAA) Asif Ali Associates Lahore.**

1. Topographic Survey Of 15 km Kalurkot to DI Khan Road Dhakki Project
2. Topographic Survey & Geo Technical Investigation of Lahore Eastern Bypass Road Project.
3. Topographic of 100 km Road projects District Swat, Shangla & Dargai in KPK highway project.
4. Topographic of 80 km Road project N-50 Zobe to Mughel kot Baluchistan National highway project.
5. Topographic survey of Re-alignment 30 km of Motorway (M-2) Salt range Road project
6. Detailed Topographic Survey (2 sqkm) of Kala Shah Kaku Interchanges Project at N-5 & M-2 (National Highway Authority) Junction Near Lahore Muridkey

✓ **Noor Durrani & Associate.**

1. Topographic survey of 12 km road from Zero Point to Airport and Langer pura Muzaffarabad project.
2. Topographic survey of 7 km Brarkot road Muzaffarabad project.
3. Topographic survey of 2.3 km southern by pass road Rawalakot project.
4. Topographic survey of 2.3 km Police Station road Rawalakot project.
5. Topographic survey of 4.6 km Ring Road Bagh project.

✓ **BAHRIA Town Lahore & Rawalpindi.**

1. Topographic Survey of **20,000** Acre for phase-07, 08 & 09, Bahria town Rawalpindi with Bahria Town Associates.
2. Topographic Survey of **10,000** Acre for Bahria Orchard Raiwind Road Lahore

✓ **Amjid Ali Bhatti & Associates.**

1. Topographic Survey of more than 10,000 acre in Lahore (**sector C** of Bahria, Raiwind Bahria & ferozpur Road) with **Amjid Ali Bhatti & Associates.**
2. Topographic survey of village 55/2L near okara with **Amjid Ali Bhatti & Associates.**

✓ **HALCROW PAK (PVT) LTD.**

1. Topographic Survey Of Proposed school sites in FATA Division (Bajore Agency &Mahmond agency)
2. Topographic survey of water supply & Road development for Dera Murad Jamali Main City (area 2000 acre)
3. Tographic survey of Dera Murad Jamali city for up lifting the Roads Net works Project 25 no' sites. Road Length 100 Km
4. Topographic Survey of 2 No's Main Bridges Over river Swat near Fizagat & Khawazakhela
5. Cross sectioning of 20 km River swat near Fiza gatt and Char Bagh for Bridge Designing

✓ **Azhar & Associates Lahore.**

1. Topographic survey for design of water supply road & Town planning (area 5200 Kanal) *JINAH MODEL TOWN MIRPUR* in Mirpur Azad Kashmir with Azhar & Associates Lahore.

✓ **(BRDP) Bahawalpur Rural Development Project.**

1. Topographic survey for Bahawalpur rural roads 425 km with BRDP.

✓ **Civil & Urban Engineers.**

1. Survey of Telecommunication project of *AL-WARID* (117 sits) with Association of Civil & Urban Engineers.

✓ **(EA) Engineering Associates Karachi.**

1. Topography survey of Garments City at Sunder Industrial area Lahore with *EA Engineering Associates Karachi.*
2. Topography survey 100 acre of proposed site for new Slaughter House Lahore.

✓ **Allied Engineering counslatants**

3. Traffic Survey with TIA reports & Topography survey of 25 Site in all Punjab for Opus International Project

## *What We Do*

Our highly trained surveyors and staff are experienced in a wide variety of projects utilizing the latest CAD systems and design software. As a growing firm, progressive thinking is encouraged and fostered within the interactive work environment. SURVEY TECH (PVT) LTD handles survey projects of all sizes. Large or small, our team is equally committed to completing each with the same passion maintaining the same degree of professionalism.



## *Our Philosophy*

To provide high quality surveying services in Pakistan, Afghanistan & the Middle East, Our Company is committed to providing superior service not only with quality surveys but through one-on-one communication between our professional staff and all our clients.



We know that attention to detail translates into successful projects and satisfied clients. We offer the highest degree of coordination, communication, and client contact which is why our clients continue to return to our office for expertise time and time again.

# *Our Specialization*

## **Traffic survey**

The concept of forecasting the future use of the road network in terms of traffic loading and flow is generally an accepted approach world-wide. The techniques used have become almost standard in both developing and developed countries. The accuracy of traffic data collection and the subsequent predictions are of paramount importance in the fulfillment of an appropriate planning, design, maintenance monitoring and management of the road network. In the past, routine collection of traffic data in this country was not considered important for the development and management of the road network. In the early 90's it was realized that a wide variety of information is required in respect of traffic characteristics for proper maintenance, planning, design, maintenance and management of the national road network. This realization emanated from concerns raised with regard to the amount of traffic (volume), the composition of the different types of vehicles, their speed, and total gross weight, number of axles, axle loads and origin and destination of the journeys. Most of this information result in assessment of progressive or rapid deterioration of the road network towards estimating additional cost required to sustain it. As a result, attempts are now being made to adopt suitable road traffic methodologies for conducting road traffic surveys, which are both technically and scientifically sound, and operationally convenient to execute under the country's prevailing conditions. This includes the use of both manual and automatic traffic counters, together with computer analysis of the collected traffic data. During the planning, design, construction and maintenance period of the road network, traffic data becomes an essential element in decision-making, and therefore the format and the accuracy of data collection and analysis is critical. **STPL** is providing full solution & guideline on traffic data collection with analysis.

## **Construction Surveying**

Measurements taken while construction is in progress. Control elevation, horizontal position, dimensions, configuration, as-built data for project verification and essential dimensions for computing construction pay quantities.



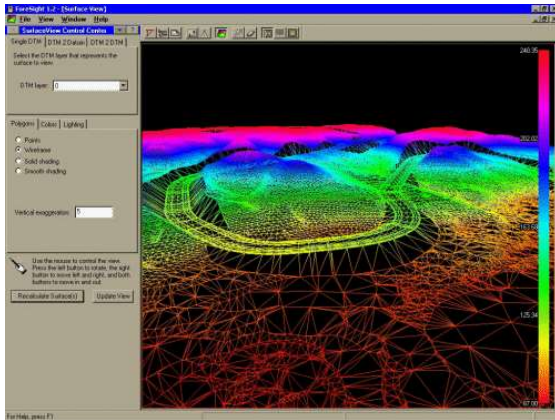
## **Boundary Retracement Survey.**

Boundary surveys are used for locating lines and corners of tracts of land as per deed description in addition to locating improvements, easements, building lines, and encroachments found on the subject property. The corners of the property are physically located, and, if necessary, new corner monuments are installed. Stake surveys are recommended for real estate transactions involving complex commercial and industrial properties, and whenever the survey is to be used for new construction.



## Topographic surveying

Determine the Configuration (Relief) of the Surfaces of the Earth (Ground) and the Location and artificial objects thereon



## Geotechnical Investigation

The Geotechnical Investigation services include planning and execution of field exploration, preparation of geotechnical investigation reports, assessment of geotechnical design parameters, analyses and design of foundations, slopes, embankments. estimation of existing foundations, and earth retaining structures are also carried out.



## **Dynamic Pile Load Testing**

Dynamic load testing (or dynamic loading) is a method to assess a pile's bearing capacity by applying a dynamic load to the pile head (a falling mass) while recording acceleration and strain on the pile head. Dynamic load testing is a high strain dynamic test which is applied after pile installation.

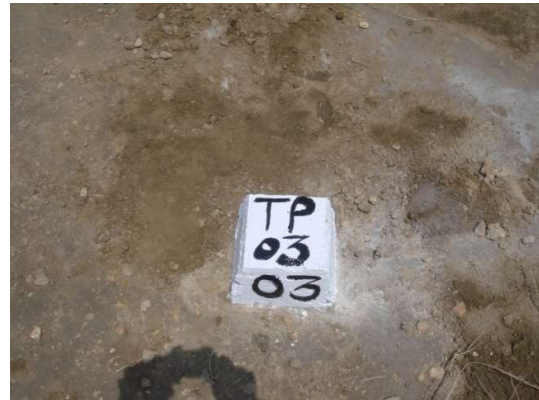


## **Global Navigation Satellite System (GNSS & GPS).**

GNSS refers to a satellite based measuring system that allows us to obtain centimeter accuracy measurements anywhere on the earth's surface. This system allows us to perform surveys economically, accurately, and efficiently. Complex surveys that once took many weeks to

## **Geodetic Control**

Establishing Main and Small Horizontal & Vertical Survey Controls.



## **Secondary Controls**

Establishing horizontal and vertical controls on any given construction land boundary and/or photogrammetric project.

## **Photogrammetric**

Using highly specialized mapping equipment consisting of computers, digitizers, stereo instruments and automated plotters to acquire and process photogrammetric data from controlled aerial photo graphics for the preparation of maps and related products.

## **Hydrographic Surveying**

Determining water depth, sea floor and sub-sea floor conditions at specified areas or along specified routes. This work requires both cartographic and electronic support.



## **HIS & Consumer Survey**

A household survey is any survey that is administered at the household level. It collects information about the household and the individuals living in those households. It includes Living Standards Measurement Study surveys, Integrated Surveys, Priority Surveys, Core Welfare Indicator Questionnaire (CWIQ) surveys, Household Budget Surveys, Labor Force Surveys, Demographic and Health Surveys, education surveys, etc.

## **Architectural, Structural Design & Geotechnical Investigation**

**STP** also provides architectural, structural engineering, geotechnical investigation and pile foundation design services.

## **Computer Aided Drafting (CAD)**

ST does all its drafting in house and also provides off-shore CAD services to companies overseas.

## **Computer Software**

**Arc Gis 10.1 ,**

**Global Mapper 13.0**

**AutoCAD 2014 ,**

**CIVIL 3D 2018**

**Eagle Point 2009,**

**Road calc**

**Trimble Business Center 4.1,**

**Spectrum Survey 4.2**

**Windows 10**



# Our Survey Equipment

## 1. RTK DGPS (Dual Frequency)



2 NO, SET

Trimble R10 GNSS System, 440 Channel Dual Frequency GPS and WAAS/EGNOS receiver system with L2C capability and integrated UHF radio modem

5 NO, SET

Trimble R8 GNSS System, 440 Channel Dual Frequency GPS and WAAS/EGNOS receiver system with L2C capability and integrated UHF radio modem



2 NO, SET

Trimble 5700 DGPS Receiver Advanced Dual Frequency GPS and AAS/EGNOS receiver system with L2C capability and integrated UHF radio modem.

2 NO'S

Sokkia Stratus L1 12 channel single frequency Receivers.

3 NO'S

Magellan Triton series 400

3 NO'S

Garmin Hand Held GPS E Series.

## 2. TOTAL STATION



2No's

(I) Leica TS 9 plus, 1" accuracy 1 km Reflector less

2No's

(II) Topcon GPT 7501, 1" accuracy 2km Reflector less

3No's

(III) Sokkia CX-105 (10,000 point) Built in Memory with Reflector less)

3 No's

(IV) Sokkia 530 RK, (10,000 point) Built in Memory with Reflector less)

1 No's

(V) Nikon NPI-632, 2" accuracy  
(Built in Memory with SD card)

2 No's

(VI) Nikon Nivo 5-M (Built in Memory)

## 3. SONAR (HYDRO SURVEY)

2 No's

(I) Garmin GPS MAP 527xs.

## 4. THEODOLITES

2 No's

T2 with DI 3

## 5. LEVELS

10 No's

(I) Digital Level, Sokkia, NIKON, PENTAX  
(Level accuracy 0.10 mm)

(ii) Wild B2

Above all items are available with their accessories.

# ***Our Laboratory Services.***

Our engineers, scientists and technicians by our certified in house material testing laboratory to offer wide range of material testing to our clients. Our goal is to provide reliable and efficient service to achieve strong project schedule. Our professional team can work numerous shifts to meet tight deadlines. Our engineers and Geologist have vast experience in testing for standard and nonstandard materials. For material and situations where habitual testing is not feasible we work to grow a practice and develop the testing up to the specifically required criteria. For many projects our engineers and Geologist have built customized equipment specially designed to execute desired tests.

## **Testing of Soil:**

- Soil Classification
- Atterberg Limits
- California Bearing Ratio (CBR)
- Consolidation
- Direct Shear
- Triaxial shear test
- Electricity resistivity
- Gradation
- Hydraulic Conductivity
- Hydrometer
- Moisture content
- Specific gravity
- Permeability
- pH Value
- M.D.D Proctors
- Soil density
- Unconfined compression



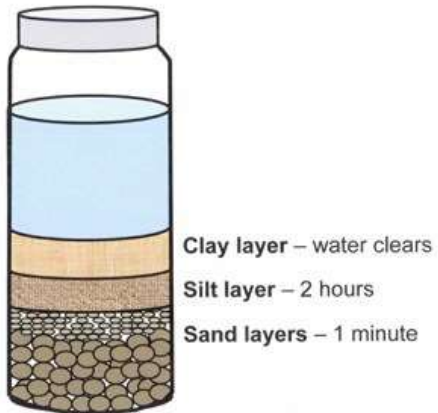
## **Testing of Aggregate:**

- Sampling.
- Gradation.
- Los Angeles Abrasion.
- Flakiness and Elongation.
- Specific gravity and water absorption (Fine).
- Specific gravity and water absorption (Coarse).
- Clay Lumps and Friable Particles.
- Light weight Pieces in Aggregate.
- Sodium Sulphate Soundness.
- Fineness modulus (Including gradation).
- Compaction test (Lab) (Modified).
- Unit weight and voids.
- Crushing value.
- Sand equivalent.
- Impact value.
- Relative density.



## Chemical Testing:

- Sulphate contents of soil/water.
- Chloride contents of soil/water.
- Carbonate contents of soil/water.
- Nitrate contents of soil/water.
- Organic matter of soil.
- pH value of soil/water.
- Total soluble salt of soil/water.
- Organic Content in soil by loss on ignition.
- Cement content (soil cement mixture).
- Cement content (in concrete).
- Organic Impurities.
- Relative density.
- Lime.



## Bricks Testing:

- Compressive strength of Bricks Including capping (Per-2 Bricks).
- Water absorption.
- Los Angeles Abrasion.

## Concrete & Cement Testing:

- Compressive strength of Hydraulic Cement Mortar.
- Fineness by 200 sieve.
- Normal consistency of cement.
- Time of setting (cement).
- Mixture strength (excluding moulding).
- Compressive strength of cylindrical concrete specimen.
- Compressive strength of core.
- Core extraction from concrete (4" core) per inch depth (length 8 inch).
- Core extraction from concrete (6" core) per inch depth (length 12 inch).
- Cement content (soil cement mixture).
- Flow Table.
- Design of concrete mix (including testing of cement).
- Rebar Scanning (max up to 6" depth) /Scan.



## *Our Lab Equipment*

SR NO	DESCRIPTION	QTY
1	Oven Electric	2 Nos.
2	Grain Size Analysis	3 Nos.
3	Triple Beam Balance	2 Nos.
4	Digital Balance	4 Nos.
5	Analytical Balance	1 Nos.
6	Field Balance	2 Nos.
7	US Standard Sieve	4 Sets
8	US Standard Sieve (Coarse)	2 Sets
9	Liquid Limit Device	3 Sets
10	Unconfined Compression Machine	2 Nos.
11	Direct Shear Machine	1 Nos.
12	Consolidation Machine	4 Nos.
13	Standard Proctor Apparatus	2 Nos.
14	Modified Proctor Apparatus	2 Nos.
15	CBR Molds	12 Nos.
16	CBR Machine	1 Nos.
17	Sample Extruder	1 Nos.
18	AASHTO Compaction Test	2 Sets
19	Cylinder 1000 ml	12 Nos.
20	Cylinder 500 ml	2 Nos.
21	Beaker 250 ml	12 Nos.
22	Pycnometers 50 ml	6 Nos.
23	Moisture Can etc	Sufficient
24	Accessories	Sufficient



# *Our Geotechnical Equipment*

SN.	ITEM	UNIT	QTY.
<b><u>Soil Investigation</u></b>			
1	Straight Rotary Rig Machine complete with accessories	Sets	6
2	Mud Pumps (3" x 4")	Nos.	4
3	Drilling Rods (50mm)	Ft.	1500
4	Field Sampling and Testing		
	a) Denison Sampler	Nos.	6
	b) Pitcher Samper	Nos.	6
	c) Triple Beam Balance (up to 20 kg)	Nos.	6
	d) Speedy Moisture Apparatus	Nos.	6
	e) Density Test Apparatus	Nos.	3
	f) Core Barrel 76 mm dia	Nos.	4
<b><u>Piling and Water Well</u></b>			
1	Straight Rotary Rig Machine complete (CD-6 Cargo)	Nos.	3
	a) Heavy Mud Pump	Nos.	2
	b) Drill Rod	Ft.	1500
	c) Electric Logger	Nos.	2
	d) Air Compressor	Nos.	2
2	Reverse Rotary Rig complete with accessories	Nos.	2
3	Percussion Rig complete with accessories	Nos.	4
	a) Casing Pipe (12" to 30" dia)	Ft.	800
	b) Heavy Bailer (12" to 30" dia)	Nos.	4
4	Tremie Pipe	Meters	100
<b><u>Load Test Equipment</u></b>			
1	Jack with Pump (Upto 10 ton to 100 ton)	Nos.	2
2	Heavy Girder (Capacity upto 100 ton)	Nos.	2
3	Pressure and Dial Gauges	Sets.	4
4	Testing Arrangement for Pull out test, Vertical load test and Compression load test	Sets.	4
<b><u>Construction</u></b>			
1	Concrete Mixer Machines	Nos.	5
2	Vibrators	Nos.	5
3	Plate Compactors	Nos.	5
4	Diesel Powered Generators (20kVa)	Nos.	5
5	Formwork	M2	2000
<b><u>Vehicles</u></b>			
1	Tractor with Trolley	Nos.	1
2	Mazda Truck	Nos.	1
3	Diesel Pick-up	Nos.	2

## *Major Clients*

- NESPAK Lahore.
- M/S Zeeruk International
- Eden Developer Group
- ECSP Lahore.
- D H A Karachi & Lahore
- Bahria Town Lahore & Rawalpindi
- Lahore development Authority
- TEPA Lahore
- Farmall technologies Lahore
- Zorlu Energy Turkish.
- (PALMET )Turkish Engineering.
- Duyes Pvt Ltd Turkish
- (ACE) Associated Consulting Engineer Lahore.
- (EGC) Engineering General Consultants Lahore.
- Azhar & Associates Lahore.
- (BRDP) Bahawalpur Rural Development Project.
- (AAA) Asif Ali Associates Lahore
- Noor Durrani & Associate Lahore.
- Amjid Ali Bhatti & Associates Lahore.
- Halcrow Pak (pvt) Ltd.
- IC consultants (Farhan Haider)
- Civil & Urban Engineers Lahore.
- (EA) Engineering Associates Karachi.
- National Highway Authority
- Frontier Highway Authority
- Capital Development Authority
- Irrigation Depart.

## *Our Staff*

NAME	P. POSITION	QUALIFICATION	EXPERIENCE
Muhammad Tariq	Chief executive	B-Tech (Hon-Civil)	28 Years
Tahir Qayum	G. M. Coordination	B-Tech (Hon-Civil)	28 Years
Syed Sadaqat Rusool	Coordinator/ Civil Engineer	B.Sc. (Civil) (UET Lahore)	20 year
Abdul Raof Shakir	Survey Engineer	M.Sc. Geomatics Engineering, Germany	08 Year
M. Nazeer	Geologist	M.Sc. Geology	08 Year
M. Asim	Material Engineer	M.Sc. Geology	07 Year
M. Abid	Coordinator/ Civil Engineer	B.Sc. (Civil) (UET Lahore)	06 year
Sohail Haider	Sociologist	M. Phil Sociology	10 year
Mehboob Elahi	Research Officer	M. Phil Social Science	10 Years
M. Mushtaq	Senior Lab Tech.	M.Sc.	15 Year
Mohammad Wasim	Survey Manager	3 Year Diploma (Civil)	13 Years
Mohammad Ashraf	Sr.Surveyor	3 Year Diploma (Civil)	28 years
M Yamin	Slte Manager	3 Year Survey Course	10 year
Abdul Ghaffar	Sr.Surveyor	3 Year Survey Course	7 year
Aurang Zaib	Sr.Surveyor	3 Year Diploma (Civil)	30 years
M. Awais	Lab Tech.	Bsc	05 Year
M. Asif	Site Supervisor	3 Year Diploma (Civil)	08 Year
M. Irfan	Surveyor	1 Year Survey Course	08 year
M. Rawal	Surveyor	3 Year Diploma (Civil)	05 Year
M. Irfan Malik	Surveyor	3 Year Diploma (Civil)	02 Year
M Faisal	Surveyor	3 Year Diploma (Civil)	8 year
M. Arslan	Cad Specialist / Draftsman	3 Year Diploma (Civil)	2 year
Muhammad Kamran	CAD Operator	F.A Cad Diploma	7 Years
Miss Saba	CAD Operator	BA Cad Diploma	7 Years
Miss Ayesha	CAD Operator	F.A Cad Diploma	6 Year

## **Affiliation & License**

- Pakistan engineering council (PEC) (License No 34648) Cat- C-6
- Federal Board of Revenue (FBR) NTN 1743045-3
- SECP Registration

## **F.B.R NATIONAL TAX NUMBER CERTIFICATE**



Revenue Division  
**Federal Board of Revenue**  
Government of Pakistan

### **NATIONAL TAX NUMBER CERTIFICATE**

(Issued under section 20 of the Finance Act,2001)

**National Tax Number (NTN):** 1743045-3

**Name:** MUHAMMAD TARIQ

**Address:** THE TOPCON ASSOCIATES  
HOUSE NO 531 3A/2 TOWN SHIP  
LAHORE  
PHONE NO: 5120531

**Status/Nature:** Business Individual

**CNIC/Firm Reg./Company Inc.Number:** /New NIC : 3830210744961

**OTHER BUSINESSES**

1 SURVEY TECH  
H #237,BLOCK #1 SECTOR-A2 TOWNSHIP, LAHORE  
Phone No. 0425118690

**Total Number of Businesses :** Two

**Date of Issue** 15/05/2009

**www.fbr.gov.pk**

PARTNER IN PROGRESS ▶▶ [www.fbr.gov.pk](http://www.fbr.gov.pk)  [helpline@fbr.gov.pk](mailto:helpline@fbr.gov.pk) 0800 00 227 051 111 227 227



# PAKISTAN ENGINEERING COUNCIL LICENCE



Serial No. **385349**

PEC-11

## PAKISTAN ENGINEERING COUNCIL

License No: **34648** Category: **C6** Validity: **30<sup>th</sup> June, 2018**

### LICENCE OF PAKISTANI CONSTRUCTOR/OPERATOR (Under the bye-laws of Pakistan Engineering Council 1987)

This is to certify that M/s **SURVEY TECH (PVT) LTD** (Licensee), with its registered office at **H#129, BLOCK-2, SECTOR C-1, TOWNSHIP, LAHORE**, has/have been licensed under Construction and Operation of Engineering Works Bye-laws 1987, until the validity date to construct/operate engineering works, the construction/capital cost of which does not exceed **Rs. 25 (TWENTY FIVE) million** provided the licensee fulfils all the qualification requirements prescribed by Client or Employer for a particular engineering work; and subject to the licensee continuing to fulfill all the requirements of the bye-laws.

Field of Specialization **CE10 - (ONE ONLY)** (Specialization Code Nos. for detail see overleaf)

Date of Issue : **May 12, 2017**  
(Lahore)



A handwritten signature in black ink, appearing to read "H. Shatt".

**Registrar**  
**Pakistan Engineering Council,**  
**Islamabad.**

- Note:
1. This license is valid upto 30-06-2018 and shall be renewed before 30th September 2018 without late payment surcharge. However, application for 2018-19 for renewal may be submitted to the Council after 5th May, 2018.
  2. The employer must ensure employment of engineers whose names are mentioned on backside of the license. The Consulting Engineer (the Engineer Incharge in case the consultant is not appointed) shall monitor the number of engineers employed by the Constructor/Operator and inform the Council accordingly.



# SECP REGISTRATION CERTIFICATE

A008848

  
SECURITIES AND EXCHANGE COMMISSION OF PAKISTAN  
COMPANY REGISTRATION OFFICE, LAHORE

**CERTIFICATE OF INCORPORATION**  
[Under section 32 of the Companies Ordinance, 1984 (XLVII of 1984)]

Corporate Universal Identification No. 0099363

I hereby certify that **SURVEY TECH (PRIVATE) LIMITED** is  
this day incorporated under the Companies Ordinance, 1984 (XLVII of 1984) and that the  
company is **Limited by Shares**.

Given under my hand at **Lahore** this **Third** day of **May**, Two **Thousand**  
and **Sixteen**.

Fee Rs. 2,500/-

  
( SHAUKAT HAMEED )  
Joint Registrar



No.ARL/ 27868 DATED: 03-05-2016

# SOP REGISTRATION CERTIFICATE

GOVERNMENT OF PAKISTAN  
Ministry of Defence  
SURVEY OF PAKISTAN

Serial No. 72

Provisional Registration Certificate  
(Under Surveying and Mapping Act 2014)

This is to certify that M/S SURVEY TECH(PVT.) LTD. LAHORE  
Address Office-129, Block-2, Sector-C-1, Township LAHORE 54770  
is **provisionally** registered under registration No. SOP18013 in category S-4  
with Survey of Pakistan subject to the following conditions:-  
(i) Security clearance from concerned agency.  
(ii) Registration of surveyor/ assistant surveyor/ associate surveyor of firm/ organization  
This registration is valid for one year.

 Date of Issue 07-12-2018

  
Registrar,  
Survey of Pakistan, Rawalpindi,  
Tel: +92 51 9290206, Fax: +92 51 9290207

## CONTACT INFORMATION

### HEAD OFFICE

Plot No 129; Block No 2, Sector C-1  
Township Lahore Pakistan  
Tel# 042-35465005  
Fax#051-35465005  
Cell#0300-8427659, 0345-8427659

**Email:** [surveytech2@gmail.com](mailto:surveytech2@gmail.com)  
[surveytechpak@gmail.com](mailto:surveytechpak@gmail.com)