

**RESUME**  
**OF**  
**SOILMAT ENGINEERS**

## INTRODUCTION

For a long time, people in the Civil Engineering business have felt the need for a secondary consultancy to provide technical assistance to the professional engineers. Where an engineering firm finds its resources insufficient to deal with the problems in a project, it has to either forgo the contract, or hire technical help from a foreign partner or consultant. At present, many difficult engineering problems are being tackled with the help of foreign consultants.

**SOILMAT ENGINEERS** is a group of highly trained professionals with degrees from Pakistan and USA. This company has been launched to serve the civil engineering profession at both primary and secondary levels. We offer a high-tech backup to the civil engineering business in the country. We provide a broad range of services to our clientele composed of individuals, builders, architects, consultants, contractors and other allied agencies.

The most important activity being provided by the company is execution of Geotechnical / Geological Investigations. The company has capabilities of conducting Geotechnical Investigation both in off-shore and on-shore environments. The company to its credit has more than 1000 projects of Geotechnical Investigation all over Pakistan including landmark projects such as proposed 78 storied KPT Towers, 50 storied IT Tower, Kohat Tunnel, various jetties in Port Wasim and Karachi Port Trust, Indus Highway, KaraKoram Highway, Coastal Highway, Transmission Lines, Power Plants (upto 1100 MW), Largest Copper and Gold Mines project in Pakistan (4<sup>th</sup> largest in the world), Dams, Reservoirs, Industrial Buildings, Wind Power Projects etc. etc.

The company also provides laboratory testing facilities for Soil, aggregate, cement, bitumen, asphalt and concrete. This is done to study the suitability of material. A full fledged materials and geotechnical laboratory is present at company's head office. The company also runs site laboratory of various contractors, consultant and owners for Quality Assurance and quality control, these laboratories has been established for various multinational companies such as Taisei Corporation (Japan), Saitagami Corporation (Japan), Lasmo Oil (UK) ENI (Italy), BHP (Australia) SKB (Pakistan) etc.



**NAME OF THE FIRM :** M/S SOILMAT ENGINEERS

**ADDRESS :** B – 136 BLOCK - 1  
OFF MAIN UNIVERSITY ROAD  
GULISTAN-E-JOHAR KARACHI.

**TELEPHONE NO. :** 4623161 - 62

**FAX NO. :** 92 – 21 - 4632483

**MOBILE NO. :** 0300 - 8207186

**N.T.N. :** 1278874 - 7

**BANKERS :** ALLIED BANK OF PAKISTAN LTD.  
MOHD.ALI HOUSING SOCIETY BR.

## **MANAGEMENT OF THE COMPANY**

- 1) MR. S.M.A. ASHRAF CHAIRMAN  
Former Chairman of P.I.C.,  
N.I.T., State Life Insurance Corp.
  
- 2) MR. ALKAZIM MANSOOR CHIEF EXECUTIVE  
B.E. (CIVIL), M.S. (GEOTECH. USA)  
P.E.
  
- 3) DR.SYED ABULKHAIR MASROOR TECHNICAL ADVISOR  
B.E. (CIVIL), M.S., PhD. (USA).  
P.E.

BIO - DATA  
OF  
KEY PERSONNEL

**ENGR. AL KAZIM MANSOOR, CHIEF EXECUTIVE  
OF  
M/S SOILMAT ENGINEERS**

**EDUCATION:**

**MS in CIVIL ENGINEERING** from Louisiana State University, Baton Rouge, LA., USA with Major in Geotechnical Engineering in 1985.

Graduate Courses in Geotechnical Engineering from University of Washington, Seattle, WA., USA in 1983.

**BE in CIVIL ENGINEERING** from NED University of Engineering & Technology, Karachi with Distinctions in 1983.

**RESEARCH AND PUBLICATIONS:**

Classifications of Marine Sediments using instrumented Dynamic Penetrometer, MS Thesis, Louisiana State University, Baton Rouge, LA., USA, (A project funded by US Navy).

**PROFESSIONAL CERTIFICATION:**

Registered Consulting Engineer # Consult /638, from PAKISTAN ENGINEERING COUNCIL REGISTERED PROFESSIONAL ENGINEER #

CIV/12329 from Pakistan Engineering Council.  
REGISTERED CONSULTING GEOTECHNICAL  
ENGINEER # GE – 02 – 09 From KARACHI  
BUILDING CONTROL AUTHORITY.

**EXPERIENCE:**

1992 to Date

**Chief Executive of M/S Soilmat Engineers**, B 136 Block # 1 Gulistan-e-Johar Karachi, a multi dimensional firm conducting soil investigation, piling,

pile load tests and a fully equipped laboratory also providing Geotechnical and Material Testing Facilities.

1985 to 1992

**Senior Geotechnical Engineer** at M/S F&W Engineers Group (Pvt.) Ltd. a leading firm of Geotechnical Engineering dealing in off-shore and on-shore soil Investigations. Piling, Pile Load Tests, De watering and Structural Investigations.

#### **MAJOR PROJECTS HANDLED:**

1. Consulting Material & Geotechnical Engineering for Indus Highway Project Contract Nos. 1 (Kotri - Manjhand) and contract # 6 (Ghauspur – Shorinallah) with M/S Saita Gumi Co. Ltd. (JAPAN). Established fully functional Material Testing Laboratory at site, General Supervision for contractor for Quality Control, Geotechnical Investigation, Structural Evaluation of bridges, Piling, Pile Load Testing etc.
2. On Shore & Off Shore Investigation for 300 MW Barge Mounted Thermal Power Plant for M/S SABAH SHIPYARD BDN (MALAYSIA).
3. Geotechnical Investigation for 300 MW KESC Thermal Power Plant in Association with M/S SOGELEG (FRANCE).
4. Design and Execution of 750 Tons Pile Load Test at Indus Highway (Largest in Pakistan) for M/S Saitagumi Ltd. (Japan).
5. Geotechnical Investigation & Coring for KWSB Water Pumping Station at Hub (M/S MOTT MACDOMING).
6. Concrete & Asphalt Mix Designs for various projects including shaheed – e – Millat Fly over, University Road Fly over, Rashid Minhas Fly over, Major Roads Rehabilitation, & over 100 concrete structures from Karachi to Gilgit.
7. On shore & off shore investigation for Gwadar & Pasni Fisheries Harbour for M/S B – Six ( Belgium).
8. Lowari Tunnel Project NWFP, (Extensive Drilling in most difficult terrain and Laboratory Testing).

9. Hub River Road Project, Baluchistan (In Association with M/S Shawanigan, Canada for construction of Largest Power Plant in Private Sector in Pakistan).
10. K.E.S.C. Thermal Power Plant Karachi (In Association with JICA, Japan).
11. Earth Satellite Station Dehmandro, (Design and Investigations for Foundation works in Association with M/S NEC Corp. Japan).
12. 500 kV Transmission Line, Guddu - Multan Section (In Association with M/S NESPAK).
13. Oil Terminal Project, Port Mohammed Bin Qasim, Karachi (Off-shore and On-shore Drilling Laboratory testing including Dozens of Triaxial Testing preparation of Geotechnical Report etc. in association with Sir Bruce, UK.)
14. Raw Material Evaluations for following Cement Factories.
  - i) Pakland Cement Factory
  - ii) Snowwhite Cement Factory, Jamshoro
  - iii) Khairpur Cement Factory, Sind
  - iv) Khushab Cement Factory, Punjab
15. Investigation of Cracks and Suitability of Structures after Cracks at following sites.
  - i) Islamabad Airport
  - ii) Iron Ore and Coal Berth at Port Qasim
  - iii) Dimond Foot Industries, Hub
  - iv) Sea Water Pump House at Pak Steel
16. Hydrogeological and Geotechnical Investigations for design of following Water Schemes.
  - i) Mai Gundarani, Dist. Bela
  - ii) Mir Ali Khel
  - iii) Aripir
  - iv) Pelar
  - v) Darya Zai etc. (World Bank Funded Projects)

### **PILE DESIGN EXPERIENCE:**

1. Bridge over Lyari River at Rashid Minhas Road, Karachi
2. Indus Highway Contract No. 1 Kotri to Manjhand Section (9 Bridges sites) for M/S Saitagumi Co. Ltd.
3. Indus Highway Contract No. 6 Shori Nallah Bridge (A 10 span bridge on Punjab - Sindh border). For National Highway Authority. Pile design for Dargah Sehwan (SINDH) for M/S National Construction. Pile design for 18 stoneyed building at Islamabad for M/S Naqvi & Siddique Associates.
4. Bridges on Contract No. 7 of Indus Highway Project for National Highway Authority & STFA (Turkey).
5. Bela - Awaran Road Project (13 bridges along the route) In association with M/S STV LYON & ACE.
6. Quaidabad Overpass Bridge, Karachi, client (Karachi development Authority)
7. Akra Kaur Bridge, Gwader, Baluchistan (C&W Department Govt. of Baluchistan)
8. Inam Bostan Bridge, Naushki (C&W Department Govt. of Baluchistan).
9. Kech Kaur Bridge, Turbet. (In association with USAID Mission to Pakistan and M/S Loya Associates).
10. Gwader Fish Harbour (In association with M/S Gifford and Partners and M/S Techno Consult).
11. 5 bridges on Peshawar Ring Road. (In association with M/S A.A. Associates).

12. Pile Design of Railway Bridges for Pakistan Railway (Jacobabad - Rohri Section).
13. Pile Design for several Multistoried Buildings in Karachi including Belle-View Appt. Noman Complex, Sunny view Appt., Crescent Appts., Chinese Chancellory, Allahwalla Town, Millrock Quarries, PNS Mehran, Etc.
14. Pile Design for various other commercial complexes, bridges, industrial units etc.

### **COMPUTER LANGUAGES:**

BASIC AND FORTRAN (have worked on several Main Frame Computers, Mini and Personal Computers).  
investigations, Piling, water investigation, grouting and Laboratory testing.

Responsibilities included top supervision of all of firms off-shore and on-shore projects. Preparation of Geotechnical Reports, Foundation Designs, Designs and supervision of Water Investigation Schemes, Supervision of Piling works. Overall Supervision of Geotechnical and Material testing works.

Summer 1984 & 1985

Geotechnical Design Engineer with Dr. Joe W. Suhayda, Baton Rouge LA. USA. Responsibilities included Design of foundations and Insitu Testing Instruments.

1984 to 1985

Graduate Research Assistant, Department of Civil Engineering, Louisiana State University, Baton Rouge, LA. USA., Responsibilities included Research for Designing of new instruments for Classification of Marine Sediments and working towards the Degree of Master of Science.

### **MAJOR PROJECTS HANDLED:**

Supervision/Execution of Field and Laboratory works and preparation Geotechnical Reports for the following projects :-

1. Off-Shore and Onshore Soil Investigation for 288 MW Barge Mounted Power Plant for M/S SABAH SHIPYARD BHD. SDN.
2. Gwader Fisheries Harbour Cum Mini Port Project, Gwader, Baluchistan (Off-shore and On-shore Drilling, Dutch Cone Testing Laboratory Testing including Triaxial Testing in association with M/S Gifford and Partners UK)
3. Pasni Fisheries Harbour Project, Pasni Baluchistan (Off-shore and On-shore works Laboratory Testing and Preparation of Reports in Association with P.R.C., USA.)
4. Bela - Awaran road Project, Baluchistan (Extensive Drilling and Laboratory testing in Association with STV Layon and USAID Mission to Pakistan).

**SYED ABULKHAIR MASROOR**

C - 150, KDA SCHEME NO. 1,  
KARACHI - 8, PAKISTAN.  
Ph: (021) 493-1441

**AREA OF INTEREST:**

Mainly interested in Experimental Stress Analysis, Shell structures, Finite Element Method and Measurement technology.

**EDUCATION:**

Ph. D. in engineering Mechanics from Iowa State University. Civil Engineering Degree from NED University of Engineering & Tech., Karachi.

**RESEARCH AND PUBLICATIONS:**

Error Estimates for Load Transducers, an invited paper in SEM Spring Conf., 1991.

Uncertainties in Load Measured at High Temperatures by Strain Gage Based Load Transducers, SEM spring Conf., 1991.

Designing an All-Purpose Force Transducer, **Experimental Mechanics vol. 31 No. 1 pp33-35** Bethel, CT. USA

Making of an All-Purpose Load Transducer, Ph. D. Thesis at Iowa State University, 1990.

Designing an All-Purpose Load Transducer, SEM Spring Conf., 1990.

Determination of Loads from Measured Strains 21<sup>st</sup> Midwestern Mechanics Conf., Michigan Tech. University, Houghton, MI, USA (Abs)

A Confined Compression Apparatus for Bulk Solids, MS Thesis at Iowa State University Ames, IA USA, 1987.

A Test Apparatus for Determining Elastic Constants for Bulk solids, SEM Spring Conf., 1987.

Analysis of Thin-Walled Space Structures, BE project at NED University, Karachi, 1985.

**MEMBERSHIPS:**

Society for Experimental Mechanics, (USA) Phi Kappa Phi (USA), Pakistan Engineering Council, MENSA (International).

**WORK EXPERIENCE:**

8/91 to Present: Asst. Prof. At NED University Karachi. Teaching graduate and under-graduate courses, guiding student research.

1/91 to 5/91: Instructor at Iowa State University Ames, IOWA (USA). Teaching a course and maintaining a Materials/Concrete laboratory.

8/86 to 12/90: Teaching Assistant (1/2 time) at Iowa State University. Lecturing, conducting labs, and course design under faculty supervision.

8/89 to 5/90: Computer Lab Monitor at ISU. Helping students overcome computer related problems.

6/88 to 7/88, 5/89 to 6/89 & 5/90 to 7/90: Research Assistant. Working with faculty on various research on physical properties of bulk solids using Triaxial Test machines under Civil Engineering faculty at Iowa State University.

## LIST OF PERSONNEL

## **LIST OF STAFF (LABORATORY)**

1. **EJAZ SHAH** LABORATORY MANAGER & MATERIAL ENGINEER  
B.Sc (Hons) M.Sc. (Geology)  
Over 15 years of experience in testing of concrete, Soils and Asphalt.
2. **M. ASLAM ISHAQ** CHIEF GEOLOGIST & SOIL ANALYST  
B.Sc. (Hons.), M. Sc. (Geology), 1965
3. **MUHAMMAD ASHRAF** CHIEF GEOLOGIST OPERATION  
B.Sc. (Hons.), M.Sc. (Geology) over 29 years of Experience.
4. **IMTIAZ-UL-HASAN** SENIOR GEOLOGIST  
M.Sc. (Geology)
5. **S.M TAJAMMUL HUSSAIN** GEOLOGIST  
M. Sc (Geology)
6. **TAHA ASLAM** TRAINEE GEOLOGIST
6. **MUHAMMAD KASHIF** LABORATORY ENGINEER  
**B.E. (CIVIL)**
7. **ARIF RASHEED** SENIOR LAB. TECHNICIAN
8. **JAHANZAIB AHMED** LAB. TECHNICIAN
9. **MUHAMMAD OWAIS** ASSISTANT MATERIAL ENGINEER
10. **YASIR RASHEED SHEIKH** LAB. TECHNICIAN

11.	<b>MUHAMMAD TANVEER</b>	LAB. TECHNICAN
12.	<b>MUZNABEEN ALI</b>	LAB. TECHNICIAN
13.	<b>RAJA JUMANI</b>	LAB.TECHNICIAN
14.	<b>KHALID HUSSAIN</b>	LAB. TECHNICIAN
15.	<b>MEHMOOD BAIG</b>	LAB.TECHNICIAN
16.	<b>SYED SHABIH-UL-HASAN</b>	LAB.TECHNICIAN
17.	<b>AYAZ ALI</b>	ASSISTANT LAB.TECHNICIAN
18.	<b>MUHAMMAD AMEEN</b>	COMPUTER OPERATOR
19.	<b>INAYAT ALI</b>	COMPUTER OPERATOR
20.	<b>ASGHAR ALI</b>	OFFICE BOY
21.	<b>KHALID HUSSAIN</b>	OFFICE BOY

**LIST OF STAFF DRILLING SECTION**

1.	<b>MR. QADAR MAND</b>	FOREMAN
2.	<b>RAMZAN</b>	DRILLER
3.	<b>ABDUL QAYYUM</b>	MACHANIC
4.	<b>ZAHID HUSSAIN</b>	WELDER
5.	<b>JANBAR</b>	DRILLER
6.	<b>AQAL MAND</b>	BORE MASTER
7.	<b>ASIF</b>	DRILLER
8.	<b>MUMTAZ</b>	DRILLER
9.	<b>BASHAR</b>	BORE MASTER
10.	<b>ABDUL RAFIQUE</b>	BORE MASTER
11.	<b>SHADI KHAN</b>	STORE KEEPER
12.	<b>MUHAMMAD ANWAR</b>	STORE HELPER

**WORKS EXECUTED BY THE COMPANY**

## **LIST OF THE PROJECTS HANDLED**

**FROM 01/01/93 TO DATE**

### **(SUBSOIL INVESTIGATIONS)**

- 1) Geological Survey (Investigations) of 300 MW Unit at K.T.P.S., Korangi, Karachi.  
**Client:** K.E.S.C. Ltd.  
**Consultants:** M/s Sogelag Ingenierie/edf France.
- 2) Sub-Soil Investigations at B.R.R. Fertilizers Factory at Port Qasim Industrial Area.  
**Client:** M/s B.R.R. Investments Group.  
**Consultants:** M/s International Consultants.
- 3) Sub-Soil Investigation at PIA Wide Body Hanger at Karachi Airport.  
**Client:** M/s Pakistan International Airlines.  
**Consultants:** M/s International Consultants.
- 4) Sub-Soil Investigations for Auditorium and Sports Complex at Korangi.  
**Client:** M/s Karachi Metropolitan Corporation.
- 5) Sub-Soil Investigations for
  - I) AIRMEN QUARTERS
  - II) OVERHEAD TANKS
  - III) AMMUNITION BUILDINGS**Client:** M/s Pakistan Air force.
- 6) Sub-Soil Investigation for proposed UTP Hanger at Karachi Airport.

- Client:** M/s Union Texas Petroleum.
- 7) Off-Shore and Onshore soil investigation at proposed 288 MW Barge Mounted Power Plant near Korangi Creek, Karachi.  
**Client:** M/s Sabah Shipyard SDN (Malaysia)  
**Consultant:** M/s S. Mehboob & Co.
  - 8) Sub-Soil Investigation for proposed Labour Squares.  
**Consultant:** M/s Naqvi & Siddiqui Associates.
  - 9) Sub-Soil Investigation for Various Factories at S.I.T.E.  
**Consultant:** M/s Sami Ahmed Associates.
  - 10) Sub-Soil Investigation for Swiss Pharmaceutical Co. at North Karachi Industrial Estate.  
**Client:** M/s Swiss Pharmaceuticals.
  - 11) Sub-Soil Investigation for Extension of Lyari General Hospital, Lyari Karachi.  
**Client:** Public works Department.  
**Consultant:** M/s Sami Ahmed Associates
  - 12) Sub-Soil Investigation for Hanger Buildings and Apron Pavements.  
**Client:** M/s Pakistan Navy.
  - 13) Sub-Soil Investigation for Multistoried Buildings in Defence Housing Authority.  
**Client:** M/s Saleem Qureshi Consultants.
  - 14) Sub-Soil Investigation for PIA's New Multistoried Building at Sukkur.  
**Client:** M/s Pakistan International Airlines.  
**Consultant:** M/S International Consultants.
  - 15) Sub-Soil Investigation for proposed Civic Centre at Korangi, Karachi.  
**Client:** M/s SMK Associates.
  - 17) Sub-Soil Investigation for Multistoried Building in Defence Phase V.  
**Client:** M/s SMK Associates.
  - 18) Sub-Soil Investigation for DEFCOM Building at Malir Cant., Karachi.  
**Client:** The G.E. Pakistan Air force.
  - 19) Sub-Soil Investigation for POLKA International Building at Shahrah-e-Faisal, Karachi.  
**Client:** M/s BEG Associates.
  - 20) Sub-Soil Investigation at proposed Refinery at Port Qasim Area.  
**Client:** M/s Awam (Pvt.) Ltd.  
**Consultant:** M/S International Consultants.
  - 21) Sub-Soil Investigation at West Wharf Blending Plant, Karachi.  
**Client:** M/s Caltex (Pak.) Ltd.
  - 22) Sub-Soil Investigation at Factory Building Ghoru.

- Client:** M/s PVC Ltd.
- 23) Sub-Soil Investigation for Five bridge location in Indus Highway Section # 6. Ghauspur to Shori Nallah.  
**Client:** M/s Saitagumi Co. Ltd. (JAPAN)  
**Consultants:** M/s Nippon Koei & Engineering Consultants.
- 24) Sub-Soil Investigation at Children's Hospital in Quetta.  
**Client:** M/s Parthinan Const. Co.  
**Consultants:** M/s Siemens Ltd.
- 25) Sub-Soil Investigation for proposed Extention of Karachi American School KDA Scheme # 1, Karachi.  
**Client:** M/s Naqvi & Siddiqui Associates.
- 26) Sub-Soil Investigation for Army Housing Development at  
i) Askari Villas  
ii) Askari Apartments Phase IV  
**Client:** DAD Works Housing Directorate Pakistan Army.
- 27) Sub-Soil Investigation at proposed Assembly Plant for Transmobile Ltd. at Port Qasim Area.  
**Client:** M/s Transmobile Ltd.
- 28) Sub-Soil Investigation for Office Cum Emergency Accommodation for FJFC Plant at Bin Qasim.  
**Client:** M/s Osmani & Co.
- 29) Sub-Soil Investigation for propose Bridge # 3 CH - 31+900, Indus Highway Project Section # 1, (Kotri - Manjhand Section)  
**Client:** M/s Saitagumi Co. Ltd.  
**Consultant:** M/s Engineering Associates.
- 30) Sub-Soil Investigation for KESC Grid Stations at Valika and Korangi Grid Stations.  
**Client:** M/s Siemens Ltd.  
**Consultant:** M/s International Associates.
- 31) Sub-Soil Investigation for Redevelopment of Mazar of Hazrat Lal Shahbaz Qalander at Sehwan Sharif.  
**Client:** M/s National Construction Ltd.
- 32) Sub-Soil Investigation for Mausoleum of Shaheed Zulfiqar Ali Bhutto at Larkana.  
**Client:** M/s National Construction Ltd.
- 33) Sub-Soil Investigation for Special Education Centre at Naushero Feroz and Orangi Town, Karachi.  
**Client:** M/s National Construction Ltd.
- 34) Sub-Soil Investigation for Gharo Ketu Bander Road Project.  
**Client:** M/s Techno Consult.

- 35) Sub-Soil Investigation for proposed Power Plant near Hawksbay.  
**Client:** M/s Ismail Bana.
- 36) Sub-Soil Investigation for Six bridge projects at Indus Highway Contract # 1.  
(Kotri - Manjhand Section)  
**Client:** M/s Saitagumi Co. Ltd. (JAPAN)
- 37) Sub-Soil Investigation for proposed bridges at Kani - Ghangro & LBOD  
Crossing.  
**Client:** M/s Union Texas Petroleum Co. Ltd.
- 38) Sub-Soil Investigation for UBL Shaheed-e-Millat Road Br. Proposed 10 storied  
building.  
**Client:** M/s United Bank Ltd.
- 39) Sub-Soil Investigation for Moenjodaro Airport ext. project.  
**Client:** M/s Civil Aviation Authority.
- 40) Sub-Soil Investigation for proposed Textile University of Pakistan near Port  
Qasim Authority.  
**Client:** M/s Beg Associates.
- 41) Sub-Soil Investigation for ICI Pakistan Pvt. Ltd.  
**Client:** M/s Principal Builders.  
**Consultant:** M/s Mott Macdonald International
- 42) Sub-Soil Investigation for 20 storied ARKAN TOWERS in BLUE AREA  
Islamabad.  
**Consultant:** M/s Consulting Group.
- 43) Sub-Soil Investigation for Seven bridge location on Indus Highway Section # 1,  
Kotri - Manjhand Section (Bridge Nos. 1, 4, 5, 7, 8, 11 & 13).  
**Client:** M/s Saitagumi Co. Ltd. (Japan).  
**Consultant:** M/s Pacific Consultants International &  
M/s Engineering associates.
- 44) Sub-Soil Investigation for Manghopir Pumping Station Karachi Water Supply  
Improvement Project.  
**Consultant:** M/s Mott MacDonald International.
- 45) Sub-Soil Investigation for Treatment Plant at Korangi Karachi.  
**Consultant:** M/s National Environmental Consultants.
- 46) Sub-Soil Investigation for BOC Gases Factory at Bin Qasim.  
**Consultant:** M/s Beg Associates.
- 47) Sub-Soil Investigation for Major Roads in Sukkur.  
**Consultant:** M/s Osmani & Co.
- 48) Sub-Soil Investigation for PAF Degree College in Islamabad.  
**Consultant:** M/s Shuja Rahim Associates.

- 49) Sub-Soil investigation for 30,000 BPD Oil Refinery at Gharo SIND.  
**Client:** M/s Bosicor Pakistan Ltd.
- 50) Sub-Soil investigation for LPG Plant in Bin Qasim for M/S SHV Energy U.K.  
**Consultant:** M/s Beg Associates.
- 51) Design, Laboratory Testing and Supervision for various roads by Union Texas Petroleum (USA) in Badin District.  
**Client:** M/s Union Texas Petroleum.
- 52) Sub-Soil Investigation for factory extensions of Pak – Suzuki Motor Co. at Bin Qasim Karachi.  
**Client:** M/s PAK SUZUKI MOTOR CO. LTD.
- 53) Sub-Soil Investigation & Resistivity Survey for 65.0 KM Gas Pipeline at Dist. Dadu, Sindh.  
**Client:** M/s. Lasmo Oil Pakistan Ltd.
- 54) Sub-Soil Investigation for Bridge over Chistry Nallah on N – 65 Near Quetta.  
**Consultant:** M/s. Loya Associates.
- 55) Sub-Soil Investigation for various Bridges in Turbat and Panjgur Distt. In Balochistan.  
**Consultant:** M/s. loya Associates.
- 56) Sub-Soil Investigation at Grid Stations in Karachi.  
**Client:** M/s. Karachi Electric Corporation.
- 57) Sub-Soil Investigation and Material Survey for Kuchlak – Muslim Baagh Station Section of NHA.  
**Consultant:** M/s Loya Associates.
- 58) Tube Well Drilling & Installation for 145 Tons/Hr. Tube Well at Korangi Thermal Power Plant, Karachi.  
**Client:** M/s KESC.
- 59) Tube Well Drilling & Installation at Kohat Tunnel Project.  
**Client:** M/s Taisei Corporation Japan.
- 60) Sub-surface Investigation and Laboratory Testing for Construction/Rehabilitation of Bridges and Stabilization of Land Slides on the KH (N-35).  
**Client:** National Highway Authority.
- 61) Piling and Pile Load test at Kohat Tunnel and Access Road Project Kohat.  
**Main Client:** M/s Taisei Corporation Japan  
**Consultant:** M/s Pacific Consultant International.
- 62) Quality Control for Bhit Development Project in Distt. Dadu Sindh.  
**Client:** M/s Lasmo Oil Pakistan.

- 63) Quality Control for Development of Zarhgon Oil Field.  
**Client:** M/s Halcrow Pakistan Ltd.
- 64) Sub-Soil Investigation for Various Bungalows and S.U. Houses at Askari IV, Gulistan-e-Jauhar Karachi.  
**Client:** M/s Directorate of Army Housing.
- 65) Sub-Soil Investigation for Bridges over Qadirabad Nullah Bagh Dhalli Road. Azad Kashmir.  
**Client:** M/s Ess-I-Aar. Const.
- 66) Sub-Soil Investigation for Construction, Rehabilitation and Stabilization of Landslides Khanjrab-Gilgit.  
**Client:** M/s NHA  
**Consultant:** M/s Techno Consultant
- 67) Sub-Soil Investigation for Construction of Bolan Dam.  
**Client:** M/s Techno Consultant
- 68) Sub-Soil Investigation for Various Bridges on Makran Coastal Highway Projects.  
**Consultant:** M/s ECIL
- 69) Sub-Soil Investigation for PAF Creek Club.  
**Client:** Pakistan Air Force  
**Consultant:** Mr. Fawad Suhail
- 70) Sub-Soil Investigation for Karachi Bulk Water Supply Scheme, Phase V K-III Project.  
**Client:** M/s Techno Consultant
- 71) Sub-Soil Investigation for Bhit Development Project Phase I.  
**Client:** M/s Aquater Lasmo
- 72) Sub-Soil Investigation for Various Building at Agha Khan University Hospital.  
**Client:** M/s Agha Khan University Hospital
- 73) Sub-Soil Investigation for Degree College for Woman II Phase VII D.H.A.  
**Client:** M/s D.H.A.
- 74) Sub-Soil Investigation for DHA High Rise Complex near National Highway.  
**Client:** M/s D.H.A.
- 75) Sub-Soil Investigation for Various Project of PNS at Manora Karachi and Sukkur.  
**Client:** CMES (Navy)
- 76) Sub-Soil Investigation for Al-Huda Campus Sector H-II, Islamabad.  
**Client:** M/s Arshad Shahid Abdullah
- 77) Sub-Soil Investigation for Shah Latif Special Education Centre, Gulshan-e-Shahbaz, Hyderabad.  
**Client:** M/s PEPAC

- 78) Sub-Soil Investigation for Zamzama Club, Stadium Comm. Area, DHA.  
**Client:** M/s DHA
- 79) Sub-Soil Investigation for Club House and Restaurant at Marina Club, DHA.  
**Client:** M/s DHA
- 80) Sub-Soil Investigation for Bahria Complex III M.T. Khan Road, Karachi.  
**Client:** M/s Bahria Foundation
- 81) Sub-Soil Investigation for Geotechnical and Environmental Report for Various Sites of M/s of Total-Parco in Karachi, Hyderabad.  
**Client:** M/s Total Parco Pakistan Ltd.
- 82) Sub-Soil Investigation for Club House of K.B.C.A. near Civic Centre.  
**Client:** M/s Nawab Brothers.
- 83) Sub-Soil Investigation for Jinnah Complex, Lines Area, M.A. Road Karachi.  
**Client:** M/s Jinnah Complex
- 84) Sub-Soil Investigation for Kinara Restaurant, Beach Avenue, DHA.  
**Client:** M/s DHA
- 85) Sub-Soil Investigation for Various Buildings at Gwader Deep Water Port, Gwader.  
**Client:** M/s G.P.A.  
M/s A. A. Sattar & Co.
- 86) Sub-Soil Investigation for Bhurban Valley View Resort Bhurban.  
**Client:** M/s Bhurban Valley View Resort.
- 87) Sub-Soil Investigation for Various Departments, University of Sindh Jamshoro.  
**Client:** M/s University of Sindh Jamshoro.
- 88) Sub-Soil Investigation for Administration & Research Centre at Dow University of Health Sciences.  
**Client:** M/s Dow University of Health Sciences
- 89) Sub-Soil Investigation for Soil and Material Investigation for Kandhar-Hirat Road Afghanistan.  
**Client:** M/s Nippon Kobe (Japan)
- 90) Sub-Soil Investigation for Wazir Mansion (Birth Place of Quaid-e-Azam) Kharader Karachi.  
**Client:** M/s National Museum of Pakistan
- 91) Sub-Soil Investigation for Various Structures at Attock Cement Factory, Hub Chauki.  
**Client:** M/s Attock Cement
- 92) Sub-Soil Investigation for 150 MW Power Plant, SW of Hub Pumping Station.  
**Client:** M/s Western Electric Co. (Pvt) Ltd.

- 93) Sub-Soil Investigation for Factory near Dhabeji Thatta.  
**Client:** M/s Dyna Corp. (Pvt) Ltd.
- 94) Sub-Soil Investigation for Jetty & Causeway for LPG Terminal Port Qasim.  
**Client:** M/s SNI.
- 95) Sub-Soil Investigation of 5 Bridges Gwadar-Ratodero project (M8) Section 11 A, Turbat-Hashab, Baluchistan.  
**Client:** M/s Hasnain Cotex Ltd.  
**Consultant:** M/s LRA Group.
- 96) Sub-Soil Investigation an New Department Buildings at University of Karachi.  
**Client:** M/s E.C.I.L.
- 97) Sub-Soil investigation for the construction of Sangar House, Project, Gwadar.  
**Client:** M/s Consultant Group
- 98) Sub-Soil Investigation for Erection of Wind-Mills for Alternate Energy, near sea, Gharo, Distt. Badin Sindh.  
**Client:** M/s Green Energy (Pvt) Ltd.
- 99) Draft Report: Soil & Material Investigation for up-gradation of Kararo-wad (N-25) National Highway Baluchistan.  
**Client:** M/s C.P.C.
- 100) Sub-Soil Investigation for Club House. for Pak. Navy near Bahria Auditorium. Karachi.  
**Client:** M/s Millennium Entertainment (Pvt) Ltd)
- 101) Sub-Soil Investigation of various Bridges Turbat- Hoshab, Section 11-A, Gwadar- Ratodero project (M-8) Baluchistan.  
**Client:** M/s Husnain Cotex Ltd.  
**Consultant:** M/s LRA Group.
- 102) Bridge at (Km: 14+700 (N-4 Turbat-Hashab, Section 11-A, Gwadar- Ratodero Project (M-8) Baluchistan.  
**Client:** M/s Husnain Cotex Ltd.  
**Consultant:** M/s LRA Group.
- 103) Bridge #: 9 (Km: 25+020), Turbat-Hashab, Section 11-A, Gwadar- Ratodero Project (M-8) Baluchistan.  
**Client:** M/s Husnain Cotex Ltd.  
**Consultant:** M/s LRA Group.
- 104) Bridge at (Km: 25+886) N-7), Turbat- Hoshab, Section 11-A, Gwadar- Ratodero Project (M-8) Baluchistan.  
**Client:** M/s Husnain Cotex Ltd.  
**Consultant:** M/s LRA Group.

- 105) Sub-Soil Investigation for construction of 8 Bridges Gwadar- Ratodero Project (M-8) Section -1, Gwadar- Turbat, Package 11-B, Baluchistan.  
**Client:** M/s Sardar M. Ashraf D Balouch.
- 106) i) Bridge at No: 04 03 (Km: 127+290) Gwadar- Ratodero Project (M-8) Section -1, Gwadar-Turbat, Package 11-B, Baluchistan.  
**Client:** M/s Sardar M. Ashraf D Balouch.
- 107) ii) Bridge No: 7 (Km: 100+800- Km: 164+250) Gwadar- Ratodero Project (M-8) Section -1, Gwadar-Turbat, Package 11-B, Baluchistan.  
**Client:** M/s Sardar M. Ashraf D Balouch.
- 108) iii) Bridge No: 2 (Km: 121+335) Project (M-8) Section-I, Package II-B, Gwadar- Turbat, Baluchistan.  
**Client:** M/s M Ashraf D Balouch.
- 109) iv) Bridge No: 5 (Km: 138+425) Project (M-8) Section-I, Package II-B, Gwadar- Turbat, Baluchistan.  
**Client:** M/s M Ashraf D Balouch.
- 110) v) Bridge No: 6 (Km: 142+730) Gwadar- Ratodero Project M-8 Section –I (Gwadar-Turbat) Package II-B.  
**Client:** M/s M Ashraf D Balouch.
- 111) Sub Soil Investigation Bridge No: 6-A, Gwadar- Ratodero Project M-8, Section-1 (KM: 143+263 7 Km: 143+295), Package II-B (Gwadar-Turbat) Baluchistan.  
**Client:** M/s M Ashraf D Balouch.  
**Consultant:** M/s L.R.A. Group.
- 112) Bridge No: 07 (Confirmatory Borehole) (Km: 143+920) M-8, Package II Baluchistan.  
**Client:** M/s M Ashraf D Balouch.  
**Consultant:** M/s L.R.A. Group.
- 113) Sub-Soil Investigation for the Construction of DHA'S Married Officers Accomodation, Sea-view, Karachi.  
**Client:** M/s P.D.O.H.A.
- 114) Sub-Soil Investigation for the Construction of various buildings at NED University of Engineering & Technology.  
**Client:** M/s NED University of Engineering & Technology.
- 115) Sub-Soil Investigation for the Construction of Rehman Medical College, Hayatabad, Peshawar.  
**Client:** M/s Rehman Medical College.  
**Consultant:** M/s Consult-Tech (Peshawar).
- 116) i) Sub-Soil Investigation for the Construction of various Pedestrian over head Bridge (PB-1) near Akhter Colony Signal, Korangi Road, Karachi.  
**Client:** M/s Shalimar Communications.

- 117) ii) Bridge No: (PB-2) after Kala Pul near Mehmood Abad Crossing, Korangi Road, Karachi.
- 118) iii) Bridge No: (PB-3) in front of Habib Bank Phase-2 (Ext) Korangi Road, Karachi.
- 119) iv) Bridge No: (PB-4) in front of Defence Suzuki Motors, Korangi, Karachi.
- 120) Sub-Soil Investigation for the Construction of Amreli Steel Factory, Plot No: A-18 S.I.T.E, Karachi.  
**Client:** M/s Amreli Steel (Pvt) Ltd.
- 121) Sub-Soil Investigation for the Construction of Factory for ABS Engineering, Plot No: F-492 S.I.T.E, Karachi.  
**Client:** M/s ABS Engineering  
**Consultant:** M/s Sami A. Associates.
- 122) Sub-Soil Investigation for the Construction of Dolemen City at old Casino, Clifton Beach, Karachi.  
**Client:** M/s Dolmen city (Pvt) Ltd)  
**Consultant:** M/s Consult- Tech
- 123) Sub-Soil Investigation for the Construction at Darga Ashrafia Aliya, Firdaus Colony, Plot No: 590 (H. Mureed Goth), Karachi.  
**Client:** M/s Syed Shah Ahmed Ashrafi.
- 124) Sub-Soil Investigation for the Construction of Sonax Steel Mills, Noori Abad, Super Highway.  
**Client:** M/s Sonax Steel (Pvt) Ltd.
- 125) i) Sub-Soil Investigation for the Construction of Pedestrian over- head Bridges 1/B Awami Markiz to Balouch Colony Fly-over, Shakra-e-Faisal, Karachi.  
**Client:** M/s United Construction Company
- 126) ii) Bridge near Mumtaz Manzil, University Road, Karachi.
- 127) iii) Bridge near 2 K last stop Farooq-e-Azam Mosque Sher Shah Soori road, North Nazimabad, Karachi.
- 128) iv) O/H Bridge near Mazar Abdullah Shah Ghazi – Clifton, Karachi.  
**Client:** M/s United Construction Company.
- 129) Sub-Soil Investigation for the Construction of Hotel at Dream World Family Restort Deh Taser.  
**Client:** M/s Dream World Ltd.

- 130) Sub-Soil Investigation for the Construction of Flats on Plot No: 155 at Askari IV (Labour camp) Gulistan-e-Jouhar, Karachi.  
**Client:** M/s Directorate of Army Housing Scheme.
- 131) Plot No: 157 at Askari IV (Labour camp) Gulistan-e-Jouhar, Karachi.  
**Client:** M/s Directorate of Army Housing Scheme.
- 132) Sub-Soil Investigation of Terminal Building # 1&2 for Inter –City Bus Terminal Hub-Road, Karachi.  
**Client:** M/s Shamsheer Khan.
- 133) Sub-Soil Investigation for the Construction of WN-1 Component of K-III Project on National Highway (Thatta-Gharo)  
**Client:** M/s KWSB  
**Consultant:** M/s Techno Consult Intl.
- 134) Sub-Soil Investigation of P.I.A Jahangir Khan Complex (Squash) Karachi.  
**Client:** M/s Saleem Qureshi Associates.
- 135) Sub-Soil Investigation for the Construction of Bridge No: 3 (Km: 10+690) section II-A (Km: m76.25 Turbat Hoshab, Gwadar-Ratodero Project (M-8) Baluchistan.  
**Client:** M/s Husnain Cotex Ltd.
- 136) Bridge No: 7 (Km: 26+500) section II-A (76.25) Turbat Hoshab, Gwadar-Ratodero project (M-8) Baluchistan.  
**Client:** M/s Husnain Cotex Ltd.
- 137) Sub-Soil Investigation of SU Banglows # 204, 217,225 & 237 at Askari iv Gulistan-e-Jauhar, Karachi.  
**Client:** M/s Directorate of Army Housing scheme.
- 138) Sub-Sub-Soil Investigation for the Construction of various Buildings at Pakistan Naval Academy.  
**Client:** Consultant Group.
- 139) Sub-Soil Investigation for the Construction of various Buildings at Mangla view-Resort, Mangla.  
**Client:** M/s Mangla View-Resort (Pvt) Ltd.
- 140) Geotechnical Report on Desalination Plant (DHA/ Cogan Ltd) at Phase-8 DHA Clifton Beach, Karachi.  
**Client:** M/s Siemen's Pakistan Engg co Ltd  
**Consultant:** M/s E.C.I.L.
- 141) Sub Soil Investigation for the Construction of Magna Shopping Mall, Rashid Minhas Road, Gulistan-e-Jauhar, Karachi.  
**Client:** Mr. Saleem Haroon

- 142) Sub-Soil Investigation for the Construction of Bridge No # 06, Ali Bahar Canal (CH: 124+638) Padedan- Ranipur (P3)  
**Client:** M/s S.M.C, S.K.B (J.V)  
**Consultant:** M/s E.C.I.L.
- 143) Additional Sub-Soil Investigation on DHA Power & Desalination Plant, Karachi.  
**Client:** M/s Siemen's Pak. Engg. Co. Ltd  
**Consultant:** E.C.I.L.
- 144) Sub-Soil Investigation for the Construction at Sangar Housing Project, Gwadar, Baluchistan.  
**Client:** M/s Al- Kasib Builders.
- 145) Sub Soil Investigation for the Construction at Gwadar Industrial Estate, Carwat (CH: 00+00) Baluchistan.  
**Client:** M/s Consultant Group.
- 146) Sub Soil Investigation for the Construction of Various departments at University of Karachi.  
**Client:** M/s University of Karachi  
**Consultant:** M/s E.C.I.L.
- 147) Sub-Soil Investigation for the Construction of Madni Masjid Sehra-e- Madina, Super Highway, Karachi.  
**Client:** M/s Anis Qadri Civil Engr & Contractor.
- 148) Sub-Soil Investigation for the Construction of 50 Bed Hospital Muzafar colony , Union Council -3, Landhi Town, Karachi.  
**Client:** M/s E.D.O. Health.
- 149) Sub soil Investigation for the Construction of Telecom Towers at Larkana-1 (MDLK-5692)  
**Client:** M/s N.A.A Consulting Engineers.
- 150) i) Telecom Tower at Larkana-3 (MDLK-5694)
- 151) iii) Telecom Tower at Nawabshah-3 (MDNS-5701)
- 152) iv) Telecom Tower at Hyderabad- Nawabshah-1 (MR: 405677)
- 153) v) Telecom Tower at Hyderabad- Nawabshah-2 (MR: 405678)
- 154) vi) Telecom Tower at Hyderabad- Nawabshah-3 (MR: 405679)
- 155) Sub-Soil Investigation for the Construction of Master Agro, Plot # C-12, N.W. Industrial Zone Port Qasim.  
**Client:** M/s Master Agro  
**Consultant:** M/s Sami A. Associates.
- 156) Sub-Soil Investigation for Bridge N # 7-A, Project M-8, section -1 (Gwadar – Turbat) Baluchistan.

**Client:** M/s Consultant Group.

- 157) Sub-Soil Investigation for the Construction of Prince Heights, near A.Q.Khan Institute, Karachi.  
**Client:** M/s Prince Heights.
- 158) Sub-Soil Investigation for the Construction of Accommodation for Pak Railway Employees, near Race Course ground, Karachi cantt.  
**Client:** M/s P.D.O.H.A.
- 159) Accommodation for Pak Railway Employees, near Reti Lines, Karachi cantt.  
**Client:** M/s P.D.O.H.A.
- 160) Sub-Soil Investigation for the Construction of KFC at public School / Military Road, Sukkur.  
**Client:** M/s Afeef Builders.
- 161) Sub-Soil Investigation for Lake City, Raiwind Road, near Lahore.  
**Client:** M/s Meinhardt.
- 162) Sub-Soil Investigation for erection of Telecom Towers at MDLK- 5693 (Larkana -2)  
**Client:** M/s N.A.A Consulting Engineers.
- 163) i) Telecom Tower at MR: 415681 HM-1 Tando Jam.
- 164) ii) Telecom Tower at MR: 415682, HM-2, Tando Jam.
- 165) iii) Telecom Tower at MR: 415683 HM-3, Tando Allahyar.
- 166) iv) Telecom Tower at MDNF 5698, Noushero Feroz-1.
- 167) v) Telecom Tower at MR: 405680, Nawabshah-4.
- 168) Sub-Soil Investigation for the Construction of Creek Twin Tower, Gwadar.  
**Client:** M/s Creek Builders & D.H. Associates (J.V).
- 169) Sub-Soil Investigation for the Construction of Al-Faisal Hotel, Islamabad.  
**Client:** M/s Hotel Al- Faisal.
- 170) Sub-Soil Investigation for RBOD'S Package DW/ R2-06 Re-alignment from 478+514+394/513 Drain –Volume.  
**Client:** M/s MMP.
- 171) DW/ R2-06 Re-alignment from 478+00-514+394/513 Road & Canal.  
**Client:** M/s MMP
- 172) Sub-Soil Investigation for the Construction of 50 mega watts. Wind plant at Mirpur Sakro, chak: 06.  
**Client:** M/s Green Power (Pvt) Ltd.

- 173) Sub-Soil Investigation for Tullow Pakistan Development Ltd Gas Purification Plant at Chachar Gas Field, Kandh Kot, Sindh.  
**Client:** M/s Tullow Pak. Development. Ltd.
- 174) Sub-Soil Investigation for the Construction of South City Hospital, Clifton, Karachi.  
**Client:** M/s South City Hospital  
**Consultant:** M/s Alliance Consultant (Pvt) Ltd.
- 175) Geo-technical report for various Bridges on CDGK's proposed Highway along Karachi Coast.  
**Client:** M/s CDGK  
**Consultant:** M/s E.C.I.L.
- 176) Sub-Soil Investigation of Solid Waste Management station at Mewa Shah Graveyard, Karachi.  
**Client:** M/s International Consulting Engineers of Pakistan.
- 177) Sub-Soil Investigation for the Construction at Umer Gas Field / Condensate processing Facility near Tando Allahyar-Sindh.  
**Client:** M/s Orient Petroleum Industries.
- 178) Sub-Soil Investigation for the Construction of various Bridges, section 11-A (76.25 km) Turbat- Hoshab, Baluchistan.  
**Client:** M/s Husnain Cotex Ltd  
**Consultant:** M/s LRA Group.
- 179) i) Bridge # N-8 at Km. 66+730, Section 11-A, (76.25 km) Turbat-Hashab, Baluchistan.
- 180) ii) Bridge # 10 at Km: 37+645, Section 11-A (76.25 km) Turbat-Hoshab, Baluchistan.
- 181) iii) Bridge # 18 at Km: 63+480, Section 11-A (76.25 km) Turbat-Hoshab, Baluchistan.
- 182) iv) Bridge # 19 at Km: 66+520, Section 11-A (76.25 km) Turbat-Hoshab, Baluchistan.
- 183) v) Bridge # 20 at Km: 70+465, Section 11-A (76.25 km) Turbat-Hoshab, Baluchistan.
- 184) Sub-Soil Investigation for the Construction of Industrial Buildings at Industrial Plot # DSU-14 Sector-II, Bin Qasim, Karachi.  
**Client:** M/s Thal Engineering. Ltd  
**Consultant:** M/s Osmania & Company.
- 185) Sub-Soil Investigation for the Construction at Plot # F-139-A S.I.T.E, Karachi.  
**Client:** M/s Kausar Industries.
- 186) Sub-Soil Investigation for the Construction of 50 MW Wind Plant, near Gharo, Sindh.

**Client:** M/s Tenaga Generasi Ltd. (Malaysia)

- 187) Sub-Soil Investigation for the Construction of Bridge # 22 (751+930) Section 11-A (76.25) Turbat-Hoshab, Baluchistan.  
**Client:** M/s Husnain Cotex Ltd  
**Consultant:** M/s LRA Group.
- 188) Sub-Soil Investigation for various Bridges at (71+470) Section 11-A (76.25) Turbat-Hashab, Baluchistan.  
**Client:** M/s Husnain Cotex Ltd  
**Consultant:** M/s LRA Group.
- 189) Bridge # N-10 (701+945) Section 11-A (76.25) Turbat-Hoshab, Baluchistan.  
**Client:** M/s Husnain Cotex Ltd  
**Consultant:** M/s LRA Group.
- 190) Sub-Soil Investigation for the Construction of Plot # C-6, Sector: 01, Lines Area Re-development, Project, Karachi.  
**Client:** M/s E.C.I.L (Consultant)
- 191) Sub-Soil Investigation for the Construction of Bridge # 14 (Km: 51+814) Section 11-A (76.25) Turbat-Hoshab, Baluchistan.  
**Client:** M/s Husnain Cotex Ltd  
**Consultant:** M/s LRA Group.
- 192) Bridge # 15 (Km: 55+930) Section 11-A (76.25) Turbat-Hoshab, Baluchistan.  
**Client:** M/s Husnain Cotex Ltd  
**Consultant:** M/s LRA Group.
- 193) Bridge # 16 (Km: 56+578) Section 11-A (76.25) Turbat-Hoshab, Baluchistan.  
**Client:** M/s Husnain Cotex Ltd  
**Consultant:** M/s LRA Group.
- 194) Sub-Soil Investigation for the Construction Millac Foods, near Murtaza Chowrangi, Korangi Industrial Area, Karachi.  
**Client:** M/s Millac Foods (Pvt) Ltd.
- 195) Sub-Soil Investigation for various Bridges (CH: 599+350) HRP contract # 05 (Ubaro-Sheikh Wahan section).  
**Client:** M/s Lilley-Shahrukh (JV)  
**Consultant:** M/s SMEA / EA (J.V)
- 196) Bridge # (604+850) HRP contract # 05 (Ubaro-Sheikh Wahan section).  
**Client:** M/s Lilley-Shahrukh (JV)  
**Consultant:** M/s SMEA / EA (JV)
- 197) Bridge # (CH: 665+380) HRP contract # 05 (Ubaro-Sheikh Wahan section).  
**Client:** M/s Lilley-Shahrukh (JV)  
**Consultant:** M/s SMEA / EA (JV)
- 198) Bridge # (665+380) HRP contract # 05 (Ubaro-Sheikh Wahan section).

**Client:** M/s Lilley-Shahrukh (JV)  
**Consultant:** M/s SMEA / EA (JV)

- 199) Sub-Soil Investigation of 50 MW wind Plant at Mirpur Sakro chak # 06 (on (184/55/05).  
**Client:** M/s New Pak. Energy.
- 200) Sub-Soil Investigation for the Construction of Commercial - Residential Building at Plot # G-4, Block-7, Clifton, Karachi.  
**Client:** M/s New Allied Electronics Industries.  
**Consultant:** M/s Meinhardt.
- 201) Sub-Soil Investigation for Parking Area, near Bilawal Chowrangi, Karachi.  
**Client:** M/s Shamsheer Khan & Company.
- 202) Sub-Soil Investigation for Rabia view, Plot # 114, Garden west, Karachi.  
**Client:** M/s Alliance Consultant (Pvt) Ltd.
- 203) Sub-Soil Investigation for Jamia-Tul-Madinah, Chistce Masjid (Press) Korangi Road, Karachi.  
**Client:** M/s V. Architects & Engineers
- 204) ii) Jamia-Tul-Madinah, Melroville-3, Karachi.
- 205) iii) Jamia-Tul-Madinah, Sharifabad-3, Karachi.
- 206) iv) Jamia-Tul-Madinah, Kanzul eman Korangi Godam, Karachi.
- 207) Sub-Soil Investigation for Avari Hotel (former Al- Faisal Hotel) Islamabad.  
**Client:** M/s E.C.I.L
- 208) Sub-Soil Investigation for Channelization of Nehre Khayyam (CH: 0+200-2+600) Clifton.  
**Client:** M/s CDGK/ Sh. Inayatullah & Bros
- 209) Sub-Soil Investigation for the Construction of Ware House, Hyderabad, Sindh.  
**Client:** M/s S.S.G.C
- 210) Sub-Soil Investigation for the Construction of De-salination Plant Gwadar-Industrial Estate. Surbandar, Gwadar.  
**Client:** M/s Siddiqe son services (Pvt) Ltd.  
**Consultant:** M/s Consult Group.
- 211) Sub-Soil Investigation on Wind Power project, Gharo, Distt. Thatta, Sindh.  
**Client:** M/s Master Energy Pvt Ltd.
- 212) Sub-Soil Investigation for the Construction of Bridge # 4 (Km: 15+225-15+315) M.C.H.P, Gwadar-Plari-Jiwani Section).  
**Client:** M/s Kh. Ghani Joo & Co.

- 213) Sub-Soil Investigation for Power Plant near KTPS.  
**Client:** M/s Siemens Pak Engineer Company Ltd.
- 214) Sub-Soil Investigation for the Expansion project of Emergency Room at the Aga Khan University, Stadium Road, Karachi.  
**Client:** M/s Aga Khan University.
- 215) Sub-Soil Investigation for the Construction at Cadet College Steel Town, Karachi.  
**Client:** M/s E.C.I.L.
- 216) Sub-Soil Investigation for Expansion of National Stadium, Karachi.  
**Client:** M/s Pakistan Cricket Board  
**Consultant:** M/s S.M.K.
- 217) Sub-Soil Investigation for the Construction of De-Salination Plant at Gwadar Industrial Estate, Gwadar.  
**Client:** M/s Siddiqe sons Services (Pvt) Ltd.
- 218) Sub-Soil Investigation for the Construction of various Departments at University of Karachi.  
**Client:** M/s University of Karachi  
**Consultant:** M/s E.C.I.L.
- 219) Sub-Soil Investigation for Sewage pumping station, Sheedi Village, Hyderabad.  
**Client:** M/s Civic Development Company Ltd.  
**Consultant:** M/s Osmani & Company.
- 220) Sub-Soil Investigation for Gold crest commercial complex, D.H.A Phase II, Islamabad.  
**Client:** M/s Al- Ghurair-Giga  
**Consultant:** M/s Alliance Consultant
- 221) Sub-Soil Investigation report of Haseen Tower & Shopping Mall Plot # 8-A1 & 8-A, Civic Centre Unit # 17 Latifabad, Hyderabad.  
**Client:** M/s Haseen Tower  
**Consultant:** M/s Engineer Zulifqar Ali Rajput.
- 222) Sub-Soil Investigation report of D.S Motors, Plot # PS34, S.I.T.E, Hyderabad.  
**Client:** M/s D.S. Motors  
**Consultant:** M/s Engineer Zulifqar Ali Rajput
- 223) Sub-Soil Investigation Multistoried Plaza for Parking at Lines Area, Karachi.  
**Client:** M/s C.D.G.K  
**Consultant:** E.C.I.L
- 224) Sub-Soil Investigation for Commercial Development on Plot # F-99, Clifton, Karachi.  
**Client:** M/s Meinhardt.

- 225) Sub-Soil Investigation for Car Parking Plaza at Plot # C-6, Sector 01, Lines Area, Karachi.  
**Client:** M/s C.D.G.K  
**Consultant:** M/s Naqvi & Siddique.
- 226) Sub-Soil Investigation for Alpha Tower, Plot # 77 Abu Hassan Isphani Road, Karachi.  
**Client:** M/s Alpha Tower.
- 227) Sub-Soil Investigation for the Construction of Compressor unit at Rehmat Gas Plant-2, near Sukkur, Sindh.  
**Client:** M/s Gasco Engineer Pvt Ltd.
- 228) Sub-Soil Investigation for LNG Regasification Terminal at Port Qasim.  
**Client:** M/s SBM.
- 229) Sub-Soil Investigation for the Construction of Savanah City Block-13-D, Gulshan-e-Iqbal, Karachi.  
**Client:** M/s Memon Estate Agency.
- 230) Sub-Soil Investigation for Hascombe's storage Shikarpur Depo.  
**Client:** M/s Hascombe Storage Pvt Ltd.  
**Consultant:** M/s Zishan Engineer (Pvt) Ltd.
- 231) Sub-Soil Investigation & Particular Applications for Gwadar Development Authority Gwadar.  
**Client:** M/s GDA  
**Consultant:** M/s Techno.
- 232) Sub-Soil Investigation for the Proposed site for wind Farm at Jhimpir, Sindh.  
**Client:** M/s Fuji Fertilizer Company Ltd.
- 233) Sub-Soil Investigation for the Construction of Plot # 1-B/1 Sector-23, Korangi industrial Area, Karachi.  
**Client:** M/s Honda South (Pvt) Ltd.
- 234) Sub-Soil Investigation for the Construction of Plot # 27-E, Ittehad Lane-10, Phase II, D.H.A, Karachi.  
**Client:** M/s United Bank Ltd.
- 235) Sub-Soil Investigation for the Construction of Admin/ Academic Block, F.U.U.A.S.T, University Road, Karachi.  
**Client:** M/s F.U.U.A.S.T.  
**Consultant:** M/s ECIL.
- 236) Sub-Soil Investigation for 50 Wind Farm near Jhimpir, Sindh.  
**Client:** M/s Zorlu Industries & power Plants (Turkey).
- 237) Sub-Soil Investigation for Plot # NC-398, Deh: Gujro, Gulberg Town, Karachi.  
**Client:** M/s Al- Khaleej Builders, Al-Jadeed Builders / A. Hanif Fahim.

- 238) Sub-Soil Investigation for Millat Service Station, in front of City School, PAF chapter, Shaheed-e-Millat Road, Karachi.  
**Client:** M/s Chaveran Pak Ltd.
- 239) Sub-Soil Investigation for Golden Arch, Plot # ZC-8 Block -6, Gulshan-e-Iqbal, Karachi.  
**Client:** M/s Rays Consult & Developers.
- 240) Sub-Soil Investigation for Feasibility study for small Dams on Nai Samn, Rani Kot, Sindh.  
**Client:** M/s Irrigation & Power Department  
**Consultant:** M/s Techno Consultant & National Development Consultant.
- 241) Sub-Soil Investigation for the proposed Wind farm at Jhimpir, Sindh.  
**Client:** M/s Fuji Fertilizer Co Ltd.
- 242) Sub-Soil Investigation for the proposed site for Wind Power Project near Jhimpir.  
**Client:** M/s Master Energy
- 243) Sub-Soil Investigation for the Construction of Admin / Academic Blocks F.U.U. A.S.T. University Road, Karachi.  
**Client:** M/s F.U.U.A.S.T.  
**Consultant:** M/s E.C.I.L
- 244) Sub-Soil Investigation for the proposed 50 MW Wind Farm near Jhimpir, Sindh.  
**Client:** M/s Zorlu Industries & Power Plants (Turkey)
- 245) Sub-Soil Investigation for & Geotechnical Report on Manzalai Field Development Surface Frailties, Kohat (NWFP)  
Volume: I & II  
**Client:** M/s Veco Engineering.
- 246) Sub-Soil Investigation for Sindh Golf Club @ Malir Cantt Karachi.  
**Client:** M/s Golf Club  
**Consultant:** M/s Consultant Group.
- 247) Sub-Soil Investigation for Coal Washing Plant opp Lakhra Power Station, Sindh.  
**Client:** Pak Energy Pvt Ltd.  
**Consultant:** Zulfiqar Associates.
- 248) Sub-Soil Investigation for Expansion of Turning Basin I/f Marginal W.B (5-7) Port Qasim.  
**Client:** M/s Q I C T
- 249) Sub-Soil Investigation for Pakistan Education College, Plot # AG-211, Ahsanabad, Karachi.  
**Client:** M/s Educational Foundation  
**Consultant:** M/s MKA Associates.

- 250) Sub-Soil Investigation for Plot # 409, 1-9, Industrial Area, Islamabad.  
**Client:**M/s Glaxo SmithKline.
- 251) Sub-Soil Investigation for feasibility study for the Construction of small dam on Nai Sann Ranikot, Sindh.  
**Client:** M/s Irrigation Power Department  
**Consultant:** M/s Techno consult M/s National Dav, Consult.

## **LABORATORY TESTING AND ALLIED WORKS:**

- 1) Laboratory Testing for Kadanwari Field Development project.  
**Consultants:** M/S MOTT. MACDONALD INTERNATIONAL (PAK.) LTD.
- 2) Laboratory Testing for Indus Highway Contract # 6.  
**Client:** M/S Saitagumi Co. Ltd. (JAPAN)  
**Consultants:** M/S ENGINEERING CONSULTANTS.
- 3) Laboratory Testing for Greater Bulk Water Supply project. (Financed by WORLD BANK)
  - a) Contract W-1 (M/S SMAD Baluch Co. Pvt. Ltd.)
  - b) Contract W-2 (M/S Interglobe (Pvt.) Ltd.)
  - c) Contract W-3 (M/S RM Gulistan Co. Pvt. Ltd.)
  - d) Contract W-8 (M/S J&P International)**Consultants:** M/S ACE/MOTT MACDONALD.
- 4) Laboratory Testing for N-5 National Highway Section Hala to Moro.  
**Client :** M/S L&M International.  
**Consultants :** M/S ENGINEERING CONSULTANTS.
- 5) Laboratory Testing for Bela Awaran Road Project (USAID PROJECT).  
**Client :** M/S Husnain Const. Co.  
**Consultants :** M/S WILBUR SMITH & M/S REPUBLIC ENGINEERING CO. LTD.
- 6) Laboratory Testing for Railway Overhead Bridge at Shahrah-e-Faisal & University Road.  
**Client :** M/S CES (Pvt.) Ltd.
- 7) Coring and Laboratory Testing for Pakistan Steel Mills Outfall Drain at Gulshan-e-Hadeed.  
**Client :** M/S Pakistan Steel.
- 8) Structural Evaluations concrete coring and laboratory testing for UTP Hanger.  
**Client :** M/S Union Texas Petroleum.
- 9) Pavement Evaluation and Laboratory Testing for Indus Motors Plant at Port Qasim Area.  
**Consultants :** M/S SAMI AHMED ASSOCIATES.
- 10) Construction of Oil Storage Tanks at National Refinery Field and Laboratory Testing.  
**Client :** M/S M&J engineering (Pvt.) Ltd.
- 11) Laboratory Testing for KESC distribution network 220 kV and 132 kV Transmission Lines.  
**Client :** M/S Soil Engineering Services.  
**Consultants :** M/S NESPAK.

- 12) Laboratory Testing and Conc. Mix designs for Various structural components of Bin Qasim Unit No. 6.  
**Client :** M/S Interhom (Pvt.) Ltd.  
**Consultants :** M/S NESPAK.
- 13) Structural Evaluation and Conc. Coring at IHP Section 6 (Ghauspur - Shori Nallah).  
**Client :** M/S Saitagumi Co. Pvt. Ltd. (JAPAN)  
**Consultants :** M/S NIPPON KOEI IN ASSOCIATION WITH M/S E.C.
- 14) Laboratory Testing, Asphalt and Core. Mix Designs for Indus Highway Contract # 1. (Jamshoro - Manjhand)  
**Client :** M/S Saitagumi Co. Pvt. Ltd. (JAPAN)  
**Consultants :** M/S ENGINEERING ASSOCIATES.
- 15) Laboratory Testing for Soils Concrete and Road Building Material including Mix Design for Gharo Ketu Bander Road.  
**Client :** M/S Husnain Const. Co.  
**Consultants :** M/S TECHNO CONSULTANT.
- 16) Soil and Concrete Testing for N-5. GOP I & GOP II.  
**Client :** M/S Husnain Const. Co.  
**Consultants :** M/S TECHNO CONSULTANT & M/S ENGINEERING ASSOCIATES.
- 17) Laboratory Testing and Asphalt Mix Designs for Shaheed-e-Millat Flyover, Karachi.  
**Client :** M/S Associated Consultants Ltd.  
**Consultants :** M/S A.A. ASSOCIATES.
- 18) Laboratory Testing for Indus Highway Section - 5 Ratodero - Ghauspur.  
**Client :** M/S F.W.O.  
**Consultants :** M/S NIPPON KOEI & ENGINEERING CONSULTANTS.
- 19) Laboratory Testing for Karakoram Highway Project. Chilas - Khunjarab Section. (400 km long).  
**Client :** M/S Techno Consultant.
- 20) Laboratory Testing for Sukkur By-Pass.  
**Client :** M/S ASTALDI (Italy)  
**Consultants :** M/S A.A. ASSOCIATES.
- 21) Concrete and Asphalt mix design and Laboratory testing for University Road Flyover.  
**Client :** M/S Housing Enterprises.  
**Consultants :** M/S LOYA ASSOCIATES.
- 22) Concrete mix design for various components and Asphalt mix designs at Rashid Minhas Flyover.  
**Client :** M/S Railcop (Pvt.) Ltd.  
**Consultants :** M/S LOYA ASSOCIATES.

- 23) Laboratory testing & Concrete mix designs for extension of KALAPUL.  
**Client :** M/S Husnain Const. Co.

Laboratory testing for various other projects.

## **PILING & PILE LOAD TESTS**

- 1) Piling of 660mm (26 inches) diameter for SAADI CEMENT HATTAR near Taxila.
- 2) Piling of 900 mm diameter, 30.0 m deep bored and cast in situ piles at Bridge No. 3 of IHP Contract # 1. Pile Load test at 750 Tons ( Largest in Pakistan).
- 3) Pile Load Test at Unnerwah Bridge in Indus Highway Contract # 6.
- 4) Piling 750 mm diameter, 32.0 m deep bored and cast in situ pile at Shori Nallah Bridge.
- 5) Piling of 750 mm & 900 mm diameter, 20.0 m deep pile and 525 Ton load test at Bridge # 4 of Indus Highway Project Contract # 1.
- 6) Piling of 750 mm diameter piles and Pile load test of 480 Tons at Bridge # 5 of IHP Contract # 1.
- 7) Piling of 750 mm diameter and 900 mm diameter piles at Bridge # 7 and Pile load test of 525 Tons at IHP Contract # 1.
- 8) Piling of 750 mm diameter and Pile load test at Bridge # 8 at IHP Contract # 1.
- 9) Piling of 750 mm dia Piles at Kohat Tunnel & Access Road Projects, Kohat.
  - a) Bridge No. 1 at Teri Toi Kohat and Pile Load Test 5 of 500 Tons.
  - b) Railway Over Pass at Pindi Road and Pile Load test of 500 Tons.
  - c) Fly Over at Rawalpindi Road and Pile Load test of 500 Tons.
  - d) 35 M High Bridge No. 4 and Pile Load test of 450 Tons.
  - e) Bridge No. 5 at Dera Adam Khel and Pile Load test of 400 Tons.
  - f) Bridge No. 6A at Dera Adam Khel and Pile Load test of 500 Tons.
  - g) Bridge No. 7 at Dera Adam Khel and Pile Load test of 400 Tons.
  - h) Army Over Pass at Kohat and Pile Load test of 450 Tons.
  - i) Bazid Khel ocer Pass at Kohat and Pile Load test of 400 Tons.
10. Piling of 900mm dia bored piles at Bridge No. 2 in Kohat Tunnel & Access Road Projects & Pile Load test of 450 Tons.

## **WORK IN HAND**

- 1) Geotechnical Investigation for 300 kms Canal at RBOD.  
**Client:** M/s Department Of Irrigation Govt. of Sindh.  
**Contractor:** M/s M.M.P.
- 2) Geotechnical Investigation for Bridges at N-5, Ubaro-Wahan Section (5 Bridges)  
& Turnal-Chaslet Section (6 Bridges).  
**Client:** M/s SMAD Baluch
- 3) Geotechnical Investigation for 30 Storied Avari Towers in Islamabad.  
**Client:** M/s Avari Hotels (Pvt) Ltd.  
**Consultants:** M/s ECIL
- 4) Geotechnical Investigation for Karachi Coastal Road.  
**Consultants:** M/s ECIL
- 5) Wind Power Projects in Intertidal Zone near Gharo for 50 MW Wind Turbines.  
**Clients:** 1. M/s Tapal Energy.  
2. M/s Tenaga Generasai (Malaysia)  
3. M/s Beacon Energy.  
4. M/s Master Wind Power.

LABORATORY  
&  
FIELD EQUIPMENTS

## **LABORATORY FACILITIES**

### **MATERIAL TESTING SECTION**

<u>S.NO.</u>	<u>EQUIPMENT</u>	<u>QTY.</u>
01	Cube Crushing Machine (150 Tons Capacity)	03 Nos.
02	Aggregate Crushing Value apparatus	01 Set
03	Aggregate Impact Value apparatus	01 Set
04	Gradation Sieves	05 Set
05	Flakiness and Elongation Sieves	01 Set
06	Marshall Stability apparatus	02 Nos.
07	Asphalt Extractor	02 Nos.
08	Cement Setting Time apparatus	01 No.
09	Cube Moulds for Concrete	20 Nos.
10	Cylinder Moulds for Concrete	24 Nos.
11	Mortar Cube Set	04 Set
12	Cylinder Capping apparatus	02 Nos.
13	Asphalt Moulds	48 Nos.
14	Asphalt Hammer	02 Nos.
15	Water Bath for Asphalt	03 Nos.
16	Automatic Asphalt Compactor	02 Nos.
17	Centrifuge Asphalt Extraction	03 Nos.
18	Asphalt/ Concrete Coring Machine	04 Nos.

## **LABORATORY FACILITIES**

### SOIL SECTION

<u>S.NO.</u>	<u>EQUIPMENT</u>	<u>ATTACHMENT(s)</u>	<u>QTY.</u>
01	Triaxial Testing Machine	ELE Load Cells	01 No.
02	Consolidation Machine	ELE Micrometers	05 Nos.
03	Direct Shear Machine	SOILTEST load cell	02 Sets
04	Unconfined Testing Machine	SOILTEST load cell	02 Sets
05	CBR Machine	Control Proving Ring	03 Sets
06	Field CBR Machine	Control Proving Ring	02 Sets
07	Atterberg Limit Device		07 Sets
08	Hydrometer Sets		10 Nos.
09	Std Proctor Test apparatus	Additional Moulds	01 Set
10	Modified Proctor Test apparatus	Additional Moulds	03 Sets
11	Field Density apparatus		04 Sets
12	BSS and ASTM Sieve Sets	Original sieves and Meshes	All Sizes
13	Densities apparatus		02 Nos.
14	Temperature controlled Oven Control Italy		03 Nos.
15	Balance (OHAUS) 25 kg capacity	Standard weights	02 Nos.
16	Balance (OHAUS) 2,600 g capacity	Standard weights	03 Nos.
17	Balance (OHAUS) 20 kg Capacity		02 Nos.
18	Electronic Balance		05 Nos.
19	CBR Moulds		18 Nos.
20	Sample extruder (Hydraulic type)		01 No.
21	Pocket Penetrometer		01 No.
22	Shaking + Vibrating Table Control		01 No.

Other Allied Equipment's.

## LIST OF BORING & PILING EQUIPMENTS

<u>S.NO.</u>	<u>EQUIPMENT</u>	<u>QTY.</u>
01	F-35 Winch complete with 4 cylinder Diesel Engine for Piling upto 36 inches diameter.	03 Nos.
02	F-25 Investigation Boring Machine complete with Engine.	02 Nos.
03	F-15 Investigation Boring Rotary Drilling Machine with Engine. ACER type, Capable to Drill upto 100 meters.	02 Nos.
4	Rotary Drilling Machine with engine Joy Type capable to Drill upto 200 meters	07 Nos.
5	Casing 04" Ø	1000 ft.
6	Casing 06" Ø	800 ft.
7	Casing 08" Ø	500 ft.
08	Casing 12" Ø	400 ft.
09	Casing 16" Ø	120 ft.
10	Casing 22" Ø	124 ft.
11	Casing 26" Ø	85 ft.
12	Casing 30" Ø	140 ft.
13	Casing 30" Ø	220 ft.
14	Bailer 08" Ø	04 Nos.
15	Bailer 06" Ø	12 Nos.
16	Bailer 12" Ø	03 Nos.
17	Bailer 16" Ø	04 Nos.
18	Bailer 22" Ø	03 Nos.
19	Bailer 26" Ø	02 Nos.
20	Bailer 30" Ø	03 Nos.
21	Bailer 36" Ø	02 Nos.
22	Chisels from 4" Ø to 36" Ø	10 Nos.
23	Tripods 35 ft. to 40 ft.	12 Nos.
24	Tripods 20 ft. to 30 ft.	06 Nos.
25	Pumps & Suction 2" to 5"	12 Nos.
<u>S.NO.</u>	<u>EQUIPMENT</u>	<u>QTY.</u>

26	Generators 1 KVA to 20 KVA	07 Nos.
27	Pile Load test equipment's capable to perform load tests of 800 TONS.	
28	Rods of A,B,N & H Type.	600 meters.
29	Core barells of B, N & H Type.	20 Nos.

## **OFFICE EQUIPMENTS**

<b>1.</b>	<b>COMPUTER PENTIUM DUEL CORE</b>	<b>02 Nos.</b>
<b>2.</b>	<b>COMPUTER PC PENTIUM IV</b>	<b>05 Nos.</b>
<b>3.</b>	<b>LAP TOP INTEL DUEL CORE</b>	<b>01 Nos.</b>
<b>4.</b>	<b>COPIER TOSHIBA 2860</b>	<b>01 No.</b>
<b>5.</b>	<b>HEWLETT PACKARD LASER COLOUR PRINTER</b>	<b>01 Nos.</b>
<b>6.</b>	<b>HEWLETT PACKARD COLOUR PRINTER</b>	<b>04 Nos.</b>
<b>7.</b>	<b>HEWLETT PACKARD LASER PRINTER</b>	<b>04 Nos.</b>
<b>8.</b>	<b>HEWLETT PACKARD SCANNER</b>	<b>01 No.</b>
<b>9.</b>	<b>EXTERNAL HARD DRIVE 160 GB.</b>	<b>01 No.</b>

# **MANAGEMENT OF THE COMPANY**

- 1) MR. S.M.A. ASHRAF CHAIRMAN  
Former Chairman of P.I.C.,  
N.I.T., State Life Insurance Corp.
  
- 2) MR. ALKAZIM MANSOOR CHIEF EXECUTIVE  
B.E. (CIVIL), M.S. (GEOTECH. USA)  
P.E.
  
- 3) DR.SYED ABULKHAIR MASROOR TECHNICAL ADVISOR  
B.E. (CIVIL), M.S., Phd. (USA).  
P.E.