

FOUNDATION CONSULTANTS LTD



ESTABLISHED IN 1972

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INTRODUCTION

Foundation Consultants Ltd., is a reputed name in the field of foundation and geotechnical engineering as well as construction. The organization came into being in 1972, soon after the emergence of Bangladesh as an independent and sovereign nation. During the initial period of its inception, the company's field of activities was mainly limited to geotechnical investigation and pile foundation. It made its mark in the relevant arena in a very short time and never looked back thereafter. With the passage of time, the company increased its activities progressively in terms of volume and discipline and rose to its present position as highly reputed multidiscipline engineering enterprise in the country. To cope with its ever-expanding activities, a subsidiary company, namely, Development Constructions Ltd., was set up subsequently.

Foundation Consultants Ltd., with its team of highly trained, experienced and skilled professionals comprising engineers, geologists, hydrologists, supported by up-to-date equipment, stands out from the others in the respective field for its outstanding performance. During last 25 years it has accomplished innumerable challenging jobs which include Railway Bridges, Highway Bridges with Pre-stressed Concrete Girders, Massive Overhead R.C.C Water Reservoirs, Large Diameter Water Mains, Water Treatment Plant, Pre-cast R.C.C Piles and Large Diameter Bored Cast –in-situ R.C.C Piles etc. Its achievements also include providing perfect foundations and geotechnical service to lots of bridges, industrial installations, deep tube wells, pump houses, regulators etc. In fact, creditable entries in the record of performance of the company are countless.

The company has also made innovative contribution to the faculty of foundation engineering through continuous research and analysis. In this connection, the know-how of “Compaction sand Pile Foundation” in multistoried building construction and “Confined Sand Column with Grouted Tips for Foundation in Soft Ground” evolved by the company may, particularly, be referred to. The Managing Director of the company, on various occasions, presented a number of papers on the subject in different international forums where the same were highly appreciated as basic conceptual contribution to the faculty.

The company is known for its pioneering role in introducing up-to date equipment and advanced know how in Bangladesh. It has introduced masonry well in building foundations in weak ground in Bangladesh. It has recently introduced computerized Pile Integrity Test and Dynamic Load Testing of pile in Bangladesh with the co-operation of Pile Dynamic Inc., USA. This has given a new dimension to geotechnical and foundation engineering in Bangladesh. Besides, the company is soon going to further strengthen its capability through introduction of know-how like “Pre-stressed Concrete in Silo Construction” and “Pre-stressed Concrete in Railway Bridge Girders”. All these, combined with dynamic and efficient management are bound to usher greater success to the company in the coming days.

SCOPE OF SERVICE

- Collection, review and interpretation of geotechnical information at project feasibility, design and construction stages.
- Site investigation planning, implementation and supervision.
- Preparation of geotechnical reports including planing and structural submission.
- In-situ and laboratory testing which include determination of physio-mechanical properties of soil and rock, analysis of the parameters, evaluation of bearing capacity, settlement, swelling and collapsing characteristics of soil.
- Investigation and design of structures foundation.
- Detailed engineering geological and regional geological investigation for engineering purposes.
- Investigation for ground water, design and installations of deep tubewells.
- Design of in-situ, pre cast R.C.C. and Franki pile foundation.
- Design of highway & railway bridges, regulators, pump houses, factories and multistoried buildings, Pre-stressed concrete Flat Slab.
- Ground water table lowering, drainage, and water supply projects.
- Design of cement silo with slip form and pre-stressed concrete shell wall.
- Design of road and railway bridge with pre-stressed concrete girder.
- Special repair work.

**SOME PHOTOGRAPHS
OF
OUR PROJECT ACTIVITIES**

GEOTECHNICAL INVESTIGATION

Drilling of Exploratory Boreholes, including rock coring for geotechnical investigation and insitu testing by Hydraulic Drive Tone Boring Rotary Rig.

Project : 125 MW Hydroelectric Power Station, Kaptai, Chittagong.

Employer : Power Development Board, Bangladesh.

Consultant : Tokyo Electric Power Services Co. Ltd., Japan.



Drilling of Exploratory Boreholes in Meghna River by Hydraulic Drive Heavy Duty Koken Rotary Boring Rig.

Project : 1200 MW Power Station at Meghna Ghat, Dhaka.

Employer : Electrowatt Engineering Services Ltd.

Consultant : Dames and Moore International, Australia.

Static Cone Penetration Test in Progress

Project : Jamuna Multipurpose Bridge Works Harbour Area

Location : Bhuapure, Tangail

Employer : Hyundai Engineering and Construction J/V.

Consultant : Rendel Palmer and Tritton, Nedeco and Bangladesh Consultants Ltd.





Drilling of Onshore Exploratory Boreholes, depth 120 metres and Insitu testing by Hydraulic Drive Tone Boring Rotary Rig.

Project : Construction of Proposed Paksey Road Bridge on the river Padma, Bheramara.

Employer : Design Development Consultants Ltd.

Offshore Exploratory Boring by Hydraulic Drive Tone Boring Rotary Rig at proposed Paksy Road Bridge on the river Padma, Bheramara.



Drilling of Offshore Exploratory Boreholes, depth 70 metres, Sampling and Insitu Testing by Hydraulic Drive Koken Boring Rig in Pasur river.

Project : Construction of 15,000 DWT Jetty & LPG Plant, Mongla.

Employer : EXXON International.

Drilling of On-shore Exploratory Boreholes, Sampling and Insitu testing by Hydraulic Drive Koken Boring Rig in Pasur river.

Project : Construction of 3,000 DWT Jetty & LPG Plant, Mongla.

Employer : ELPIJI, Malaysia Bangladesh Limited.



1.8 Km long Paksey Bridge Construction Project over River Padma for Geotechnical Investigation



Electric Cone Penetration Test for Paksey Bridge Construction Project.

Project :

Paksey Bridge Construction
Project in Ishardi, Pabna.

Principal

Contractor : Major Bridge
Engineering
Bureau, P.R.
China.

Contractor : Foundation
Consultants
Ltd.



Electric Cone Penetration Test for Paksey Bridge Construction Project.

1.8 Km long Paksey Bridge Construction Project



Exploratory Bore Holes by use of Rotary Drill Rig on Land at Paksey Bridge Construction Project.

Project :

Geotechnical Investigation comprising 50 Nos. exploratory boreholes upto 50 to 140 m depth on-shore and off-shore and field permeability upto 30m depth.

Principal :

Contractor : Major Bridge Engineering Bureau, P.R. China.

Contractor : Foundation Consultants Ltd.



Exploratory Bore Holes by Rotary Drill Rig on River at Paksey Bridge Construction Project.

KEY TECHNICAL PERSONNEL

<u>Designation</u>	<u>Name</u>	<u>Experience</u>
Managing Director	MD. NURUL AMIN B.Sc. Engg. (Civil) FIE (B), M SEAGS, Member ASCE, USA. Member, Deep Foundation Institute Cliffs U.S.A.	38 Years.
Executive Director	MD. MOSHARRAF HOSSAIN B.Sc. Engg. (Civil)	38 Years.
Director (Mechanical)	ASAADUZZAMAN A.B.M. B.Sc. Engg. (Mech.)	49 Years.
Senior Adviser (Bridge Engineering)	M. K. CHATTERJEE M.Sc. Engg. (Civil) University of Calcutta Member: Indian Road Congress, Member: Various IRC Codes/Bridge Standard Committees.	42 Years.
Structural Engineering (Adviser)	A.K.M. AKHTARUZZAMAN M.Sc. Engg in Foundation Engineering from BUET, Structural Engg & Const. from Asian Institute of Technology(AIT), Bangkok, 1986.	20 Years.
Director Technical	MEHEDY AMIN M.Sc. Engg (Civil) with Distinction Specialized in Geotechnical Engineering Magna Cum Laude The Ohio State University, U.S.A. Awards: C.N. Brown Scholarship Karl. V. Taylor Memorial Scholarship O.S.U College of Engineering Research award O.S.U Graduate Fellowship	2 Years.
Director Operations	SAADY AMIN B.Sc. Engg (Civil) with Distinction Magna Cum Laude The Ohio State University, U.S.A. Awards: O.S.U College of Engineering Research award O.S.U Civil Engineering Alumni Scholarship	2 Years.
Director	SABINA SHAHNAZ (REMY AMIN) B.Sc. Engg (Civil), M. Sc. Engg. USA.	10 Years.

Director	SONIA SHAHNAJ (SONY AMIN) B.Sc. Engg (Civil), M. Sc. Engg. USA.	10 Years.
Senior Engineer (Planning)	CHAITANNA KUMAR MANDAL B.Sc. Engg. (Civil)	16 Years.
Design Engineer	MOHAMMAD MOSLEM UDDIN B.Sc. Engg. (Civil)	7 Years.
Design Engineer	LAILA NOOR B.Sc. Engg. (Civil)	9 Years.
Design Engineer	ANISUR RAHMAN B.Sc. Engg (Civil)	2 Years.
Project Manager	A.R. FARUOQUE M.Sc. Engg. (Civil) MEL. MOSCOW, USSR	20 Years.
Project Engineer	MD. EBADUR RAHMAN CHOWDHURY B.Sc. Engg. (Civil)	12 Years.
Project Engineer	MD. JAKIR HOSSAIN SARKER B.Sc. Engg. (Civil)	4 Years.

WORK MANAGEMENT AND SUPERVISORY STAF

Name	Designation	Experience
N. A Talukder	Manager Construction	25 Years.
Md. Gias Uddin (Dip.in Civil Engg.)	Construction Engineer	14 Years.
Majibur Rahman (Dip.in. Civil Engg.)	Construction Engineer	12 Years.
Abdul Wadud (Dip.in. Civil Engg.)	Construction Engineer	12 Years.
Mazammel Haque (1) (Dip.in. Civil Engg.)	Construction Engineer	21 Years.
Dildar Hussain B.Sc. Engg. (Civil)	Asstt. Engineer	3 Years
Safique Ahmed (Dip.in. Civil Engg.)	Asstt. Engineer	18 Years
Nirmal Kumar Roy (Dip.in. Civil Engg.)	Asstt. Engineer	5 Years
Md Abdul Wahad (Dip.in. Civil Engg.)	Asstt. Engineer	12 Years
Md. Mahfuzul Islam (Dip.in. Civil Engg.)	Asstt. Engineer	5 Years
Md. Sha –Alam (Dip.in. Civil Engg.)	Asstt. Engineer	4Years
Md. Shajahan (Dip.in. Civil Engg.)	Asstt. Engineer	4Years
R.A. Kamal	Inspector of Works	18 Years
Amanullah	Inspector of Works	10 Years
Mesbahuddin	Inspector of Works	14 Years
Elias Mollah	Inspector of Works	12 Years
Abdul Baten Akhand	Inspector of Works	10 Years
Abdus Satter	Inspector of Works	12 Years

QUANTITY SURVEY AND
QUALITY ASSURANCE STAFF

<u>Name</u>	<u>Designation</u>	<u>Experience</u>
Md. A.K. Azad (Dip.in Civil Engg.)	Asstt. Engineer	15 Years.
Momen-Al-Faruque (Dip. in Mech. Engg.)	Asstt. Engineer	5 Years.

GEOTECHNICAL ENGINEERING DIVISION

Noor –Mohammed Talukder	Sr. Soil Tech (Field)
Nurul Islam Akhand	Sr. Soil Tech (Field)
Serajul Islam	Sr. Soil Tech (Field)
Tajuddin Ahmed	Sr. Soil Tech (Field)
Saiful Islam	Soil Technical (Field)
Salahuddin	Sr. Soil Tech (Lab.)
Shahidullah	Sr. Soil Tech (Lab.)
Md. Akbar Ali (Soil Tech (Lab.)

KEY FIELD EXECUTION PERSONNEL

Amirul Huq	Drilling Foreman
Kanchan Mian	Drilling Foreman
Abul Hashem	Drilling Foreman
Jhon Bishwash	Master Mechanic
Md. Siraj	Master Mechanic
Swapn Kumar Chakravarty	Foreman (Electrical)
Mustafa	Driller
Shahjahan	Driller
Mofiz	Driller
Sobhan	Driller

MANAGERIAL STAFF

<u>Name</u>	<u>Designation</u>
A. K. M. ZAHIRUL HAQUE B.Com. (DU) Dip (EBCTI) Certificate (INDACA-Tokyo Japan).	Director Administration & Business Promotion
Shamsuzzaman	Asstt. Accountant
Prodip Kumar Das	Asstt. Accountant
Jogesh Singha (B.Sc.)	System Analyst
Mazharul Haque	Purchase officer
Beni Madhab Sharkar	Store Keeper
Nurul Islam Khan	Commercial Assistant

Name

Matiur Rahman

Swapan Kumar Sarkar

Shamima Afroze

Siddiqur Rahman

Eakub Ali Talukder

Sha-Alam Talukder

Designation

Cashier –1

Cashier –2

CAD Operator

Sr. Draftsman

Office Peon.

Office Peon.

CURRICULUM VITAE OF MD. NURUL AMIN MANAGING DIRECTOR

QUALIFICATION : B. Sc. Engg. (Civil), Bangladesh University of Engineering and Technology, Dhaka, 1964, Post Graduate studies (Soil Mech. & Foundation Engineering).

ADVANCE TRAINING : Dynamic Testing of Pile (non-destructive test) for integrity and ultimate load carrying capacity, conducted by pile Dynamics Inc., Ohio, U.S.A., 1989.

MEMBERSHIP :

- i) Fellow, Institution of Engineers, Bangladesh.
- ii) Member, Deep Foundation Institute, Cliffs, U.S.A.
- iii) Member, South East Asian Geotechnical Society.
- iv) Vice President, Bangladesh Society for Geotechnical Engineering.
- v) Member, International Society for Soil Mechanics and Foundation Engineering.
- vi) Resource person (Foundation Engineering) Institution of Engineers Bangladesh.
- vii) Member of the Organizing Committee for the Fifth International Conference on the Application of Stress Wave Theory to Piles held in Orlando, Florida, USA in 1996.
- viii) Convener Editorial Sub-Committee Structural Design (Foundation) Bangladesh National Building Code.
- ix) Specialist Resource person (Foundation Engineering) BPWD, RHD.

NONPROFESSIONAL MEMBERSHIP :

- i) Member, Rotary Club of Dhaka North West, Paul Harris Fellow.
- ii) Life Member, Gulshan Central Mosque and Islamic Research Society, Dhaka.

PUBLICATIONS :

1. Foundations for Tall Buildings in and around Dhaka City. Presented in the Annual Convention of Institute of Engineers, Dhaka, Bangladesh .
2. Compaction Sand Pile in non-cohesive loose ground. –A case study presented in Annual Convention of institute of engineers, Dhaka, Bangladesh.
3. Foundation in Swelling Clay in Bangladesh –A case study. Presented in Annual Convention of Institute of Engineers, Bangladesh.
4. Geotechnical Behaviour of Soils from Coastal Region of Bangladesh –Presented in the Ninth South East Asian Geo-technical Conference, Bangkok, Thailand /1987.
5. Pre-Loading of soft fine grained soil materials using Inflatable Tubes and vacuum. Presented in International Symposium on Shallow Sea and Low Land, Saga Japan / 1988.

6. Some Experiences on Integrity Test of Pile in Bangladesh by Non-destructive low strain test method. Presented in the 2nd Asian Pile Driving Analyzer Users Conference, Hongkong, 1990.
7. “ Some Experiences on Bored Cast –in-Situ Reinforced Concrete Piles in Bangladesh – A Case Study” presented in U.S. FHWA International Conference on Design & Construction of Deep Foundations, December 1994 in Orlando, Florida, USA.
8. Integrity testing of foundation Piles in Bangladesh-Case Study Presented in Fifth International Conference on the Application of Stress-Wave Theory to piles. Sept 1996 in Orlando, Florida, USA.
9. Bored Cast –in-Situ R.C.C. piles, Model Procedure and specifications Presented in Annual Conference of the Institute of Engineers Bangladesh 1995.
10. Performance of Bored Cast –in-Situ R.C.C Piles in Bangladesh – Presented in the Forth International Conference on Case Histories of Geotechnical Engineering, St. Louis Missouri, USA on March 8-15, 1998.

INNOVATIONS / :

- a) Compaction Sand Pile for structure foundation in non-cohesive loose ground.
- b) Confined Sand Column with grouted tips as structure foundation in soft ground.
- c) Introduced small diameter Masonry Well as Building Foundations in Bangladesh.
- d) Innovated and developed design & construction methodology for for Pre-cast Hollow R.C.C. Drilled shaft with in-situ concrete pedestal.

EXPERIENCES / :

1964-68 : Project Engineer,
Swiss Boring Overseas Corpn. (Switzerland),
Dhaka.

1. Developed and executed driven cast –in-situ enlarged base pile Foundation work :
 - a. National Assembly Building, 184 Ft high R.C.C structure at Shere –e- Bangla Nagar, Dhaka. (2500 numbers of 40t to 60 T capacity piles).
 - b. MNA’S Hostel, Sharwardhy Hospital, Shere –e-Bangla Nagar, Dhaka. (1800 numbers of 40 T to 60 T capacity piles).
 - c. 80 MW Siddhirgonj Power Station (800 numbers of 60 T capacity rake piles).

- e. ESSO Jetty at Godnail, Narayangonj, Dhaka.
 - f. IWTA-Jetty at Dhaka / Narayangonj, Ground Water lowering work for Pumping house and water intake structures for 120 MW Ashugonj Power Station .
- 1968-70 : Deign Engineer,
Swiss Boring Overseas Crop. (Zurich, Switzerland) Dhaka.
1. Designed foundation of the following project :
 - a. Dhaka International Airport, Terminal Building.
 - b. 13-storied Science Faculty Building for Dhaka University.
 - c. 14-storied LACO Building at Motijheel, Dhaka.
 - d. 11 –storied C.G.O Building at Chittagong and Khulna.
 2. Designed or ground water lowering for following projects)
 - a. Chittagong Dry-Dock.
 - b. Shantahar Food silo.
 - c. Karachi Dry-Dock., Pakistan.
- 1970-71 : Design Engineer,
Soil Tech International Ltd.
Dhaka.
1. Designed foundation for the following Projects :-
 - a. Child Welfare Center, Dhaka.
 - b. Dhaka Water Works intake structure.
 - c. 10-storied Telephone House, Mogbazar, Dhaka.
- 1971-72 : Administrator,
Soil Tech International Ltd.
Dhaka.
Appointed by the Government of the Peoples Republic of Bangladesh to run the affairs of the company.
- 1972-73 : Executive Director,
DRILLCO LTD.
1. Designed foundations for the following project :-
 - a. 18-Storied P.M.G. Building Khulna.
 - b. 400 ft high Radio Mast at Kalurghat, Chittagong.
- 1973-till date : Managing Director
Foundations Consultants Ltd and Development
Constructions Ltd.
1. Construction of the following projects :
 - a. Two numbers R.C.C bridge (Span-16.5 m) on cast –in- Situ R.C.C. rake –pile diameter 500 mm and length 8m on Dhaka –Chittagong Highway.
 - b. 2.25 lac gallon capacity R.C.C overhedad water Tank at Mymensingh on 46 m long bored cast –n –situ R.C.C. pile foundation.
 - c. Railway (Span 200 ft.) Bridge No. 207, Feni-Laksham Section, founded on 42” diameter drilled caissons (bored cast-in-situ piles), length 75’-0” and masonry piers/abutment .

- d. Railway Bridge No. 119, Sreepur –Kawraid, section (Span 160 ft.) founded on 42” diam drilled caissons (bored Cast-in-Situ R.C.C. Piles), Length 70’-0” drilled caissons (bored cast-in-situ R.C.C piles).
- e. Railway Bridge over Turag River (Span 300 ft.) at Tongi, Dhaka founded on 42” diam. 75’-0” drilled caissons (bored cast –in-situ R.C.C. Piles).
- f. Railway Bridge No. 20 (Span 70ft.) Geo-tech. investigation Design and Construction) on 500 mm diam. Bored cast –in-situ rake pile and 42” diam. drilled caissons (bored vertical pile foundation).
- g. Railway Bridge No. 2A, Shambhugonj, Mymensingh. (Span 130 ft.) (Geo-tech. Investigation Design & Construction). Founded on 42” diam. 65’-0” long drilled caissons (bored cast –in-situ R.C.C.piles)
- h. Railway Bridge No. 8 A (Geo-tech. Investigation & Design).(Span 160’-0”)
- i. 5 M.G.D. Iron removal plant for Chittagong WASA.
- j. 22.5 Km, 600 mm to 200 mm dia water pipe line (Ductile Iron Pipe) for Chittagong, WASA.

2. Construction of R.C.C. Cast-in-Situ, Pre-cast R.C.C. and Sand piles foundation of following projects:

- a. Godown, Factory and Administration Building of National Cotton Mills, Chittagong (500 Piles).
- b. National Library Building at Agargaon, Dhaka. (Investigation, design, construction of 800 Nos. Piles capacity 60 Ton each).
- d. 132 KV Anchor, River Crossing Towers on Karnafully & Halda River, Chittagong (Span 1000 m each).
- e. Bangladesh Agriculture Research Institution at Chittagong.
- f. 132 KV Greater Dhaka Power Distribution Towers from Postogola to Siddhirgonj.
- g. Chemical Water Treatment Plant of 110 MW Goalpara Power Station, Khulna.
- h. 2 Nos. Permeable Steel Pile Spares for Protection of Hatiya Town from Erosion.
- i. 500 Bedded Hospital at Chittagong Cantonment
- j. Housing Complex, CUFL, CHITTAGONG. (1600 Nos. 14”X14” and 16”X16” Pre-cast R.C.C Pile).
- k. 130 Nos 132 KV Power Distribution Towers (Barisal-Bherapara) along 207 Km cross-country route.
- L. Design & Construction of 69.4m and 58 m Span Road Bridge with pre-stressed concrete girder bored Cast-in-Situ piles in Kustia-Magura and Faridpur –Daulatdia Road under RIP.
- M. Design & Construction of 65.23 m long Road Bridge with pre-stressed concrete girder on Ichamati River in Pabna by pass.

3. Major Geotechnical Investigation works executed are:-
- a. 20 Nos. Cyclone shelters at Dublar Char. Bagerhat.
 - b. Land Reclamation Project at Ashugonj for BOGMC.
 - c. Navigation Channel Dredging Project at Mongla Port. Bagerhat.
 - d. 200 Nos. Cyclone Shelters in Greater Barisal and Patuakhali (IDA financed) in Coastal region of Bangladesh.
 - e. 200 Nos. food grain storage in Greater Dinajpur, Rangpur, Bogra, Rajshahi, Districts. (IDA financed).
 - f. Numbers of Hospital Centres, Natural Health Centres at different places in Bangladesh (IDA financed).
 - g. Explosive Cargo Jetty and Multi-storied Transit Sheds at CPA Project area at Chittagong.
 - h. 132 KV Power Transmission Towers for PDB 300 Numbers for Greater Dhaka Power Distribution 200 Numbers for Khulna- Bagerhat –Mongla 94 Numbers for Bagerhat – Perozpur 47 Numbers for Modanhat –Dohozari 8 Numbers for Mahamudabad – Ashugonj.
 - i. Meghna –Dhonagoda irrigation Project.
 - j. Karnafully Irrigation project along Halda River.
 - k. 5 Nos light tower installation at Hiron Point at Sundarban Area for Mongla Port Authority.
 - l. 900 m long Buriganga Bridge, Dhaka.
 - m. 300 m long Sitalaykhya Bridge, Dhaka.
 - n. 700 m long Bramaputra Bridge, Mymensingh.
 - o. 700 m long Mohanada Bridge, Rajshahi.
 - p. 1200 m long Mohananda Bridge, Rajshahi.
 - q. Span proposed PAKSEY Road Bridge on the River Padma.
 - r. Meghna Bridge at Bhairab Bazar.

LIST OF EQUIPMENT FOR GEOTECHNICAL EXPLORATION AND TESTING EQUIPMENTS

A. FIELD EQUIPMENTS :

Sl. No.	Name of plant, Machinery of equipment	Country of Manufacture / Model	Year of Manufacture	Capacity	Quantity	Present Location	Present condition
1	KOKEN Heavy Duty Drilling Machine RK-2:	RK-2, 540	1985	High pressure up to 70 Kg/Square-cm (Capable of drilling and rock coring by diamond bit upto 450 m depth) with 10T Static Cone Penetration Test attachment.	3 Sets.	Cental Strove	Running
2	Drilling Rig Tone Model "THS-C" Japan made with mud pump etc. complete	THS-IC	1979	Capable of drilling and rock coring. with diamond bit upto 1000 ft.) with packer Tests Assembly etc.	1 Set.	Cental Strove	Running
3	Electronic Cone Penetration Test (ECPT)	GME-500 (IP65) 1 Unit Made in The Netherlands.	2001	Apparatus with DATA -ACQUISITION SYSTEM Software, a Pentium (H) Processor, 32 MB 6 GB hard disk and Hydraulic Thrust Machine of 30Ton capacity. It measures, calculates and checks: i) Cone resistance ii) Local Sleeve friction iii) Inclination iv) Pore Pressure v) Conductivity vi) Acidity (pH) vii) Penetration Depth viii) Temperature ix) Permittivity x) Penetration speed xi) Redox xii) Time xiii) Fuel Fluorescence response		Cental Strove	Running
4	Soil Boring & Testing Rig complete.	Local	1980-89		12 Sets.	Cental Strove	Running
5	Piston Pump	Local			2 Nos.	Cental Strove	Running
6	Vane Shear Set	India			1 Nos.	Cental Strove	Running
7	Plate Bearing & Evaluation of Sub-grade Reaction.	Local			6 Nos.	Cental Strove	Running
8	Mud Pump.	Italy			7 Nos.	Cental Strove	Running
9	Water Pump (Centrifugal).	Italy			7. Nos.	Cental Strove	Running
10	3 Ton Pickup for Transportation.	Japan			3 Nos.	Cental Strove	Running
11	Four Wheel Drive Jeep.				2 Nos.	Cental Strove	Running
12	Tools for Running the Drilling Rigs	Substantial Quantity.				Cental Strove	Running
13	Well equipped workshop for repair and maintenance of equipment.				1	Cental Strove	Running

Sl. No.	Name of plant, Machinery of equipment	Country of Manufacture / Model	Year of Manufacture	Capacity	Quantity	Present Location	Present condition
B: LABORATORY EQUIPMENTS							
1	Unconfined Compression for rocks and soils				3	Geotech Lab	Running
2	Atterberg Limits				1	Geotech Lab	Running
3	Natural Moisture Content for rocks and soils.					Geotech Lab	Running
4	Specific Gravity for rocks and soils.				2	Geotech Lab	Running
5	Grainsize Analysis (both sieve and hydrometer).				1	Geotech Lab	Running
6	Unit Weight (Dry & Wet) for rocks and soils					Geotech Lab	Running
7	Consolidation				6	Geotech Lab	Running
8	Direct Shear				2	Geotech Lab	Running
9	Tri-axial –Model EL25-284/01 with accessories Viz. Digital readout unit for un-drained tri-axial tests, submersible load transducer, Pressure Transducer module and XY/I recorder complete, Suitable for point load testing of rocks.				1	Geotech Lab	Running
10	Permeability				2	Geotech Lab	Running
11	Compaction				4	Geotech Lab	Running
12	C.B.R. Tests				1	Geotech Lab	Running
13	Drying Ovens				2	Geotech Lab	Running
14	Field Density of Back fill.				1	Geotech Lab	Running
15	Petrography, Visual and Microscopic equipment					Geotech Lab	Running

Sl. No.	Name of plant, Machinery of equipment	Country of Manufacture / Model	Year of Manufacture	Capacity	Quantity	Present Location	Present condition
C. COMPUTER FACILITIES :							
1	Pentium-4, Computers.				14	H/O	Running
2	3 Pentium-3 Laptop Computers				3	H/O	Running
3	One Unit HP DesignJet 800 (Size 42")			Product type - Plotter, Product Family - HP DesignJet, Product Name - 800 Print, Quality - Ultimate line and photo quality Resolution - 2400 x 1200 dpi, Speed - Line drawings in fast mode 60 seconds (D-size bond paper) Image in fast mode 3 minutes 54 second (D-size), Memory - 96MB RAM and 6 GB Hard Disk. Minimum 160MB RAMP and 6GB Hard Disk.	1	H/O	Running
4	One Number EPSON LQ 300 Printer.				1	H/O	Running
5	Three Numbers HP Laser Jet 6P, 1100 HP Laser Jet and 1200 HP Laser Jet.				1	H/O	Running
6	One BJC-2100SP CANON Bubble Jet Printer.				1	H/O	Running
7	One HP ColorPro Graphics Plotter.				1	H/O	Running
8	Computers Operated by AutoCAD 2004				14	H/O	Running
9	ADAPT-PT Software for analysis and design of pre-stressed (post tensioned) flat slab &				1	H/O	Running
10	pre-stressed beams/girders.					H/O	Running
11	ADAPT-FELT Software for analysis of loss in pre-stressed (post tensioned) member				1	H/O	Running
12	STAAD Pro 2001 Software for Analysis (2D/3D) and design of Structures.				1	H/O	Running

Sl. No.	Name of plant, Machinery of equipment	Country of Manufacture / Model	Year of Manufacture	Capacity	Quantity	Present Location	Present condition
13	NISA/CIVIL			<p>NISA/CIVIL Software for analysis and design of pre-stressed as well as RCC Structures. Offering CAD based solution encountered in the Analysis, Design of reinforced concrete, steel and pre-stressed structures. The output will be both in design document format and drawings will be in AutoCAD format. Following are the Salient features related to moving loads as applied to bridges and fly-overs available in</p> <p>i) Vehicle Configuration and Vehicle Group. ii) Path Specification. iii) Wheel Load Direction and distribution. iv) Automatic Generation of Loads due to Vehicle Movement on Railway and Highway Bridges. v) Pre-stressed Loads. vi) Static Analysis. vii) Wheel Load Direction and distribution. viii) Graphic Display of the above features. ix) Transient Dynamic Analysis under Moving Loads. x) Comprehensive Vehicle Database.</p>		H/O	Running

Major Design and Construction Quality Control Projects **Undertaken by Foundation Constants Ltd.**

1. 1.9km long Flyover at Khilgaon railroad intersection in Dhaka City ('01-'05).
Scope of work:
 - a. Sub-soil investigation.
 - b. Cone penetration Test.
 - c. Dynamic load test using pile driving analyzer (PDA).
 - d. Static and load test of piles (up to 1000T).
 - e. Temporary structure for construction of loop above a running railway track.
 - f. Project management.
 - g. Construction quality control.
2. Consultancy service for the proposed 6.0km long Padma Bridge ('04).
 - a. Sub-soil investigation
 - b. Cone penetration Test.
3. Holcim Jetty at Meghna Ghat, Narayangong ('95-'98).
 - a. Design of jetty.
 - b. Construction quality control.
 - c. Sub-soil investigation.
4. Scancem Jetty at Dhaka ('99-00').
 - a. Design of jetty inclusive provision of 110T Gantry Crane.
 - b. Design of cement (5000T) and clicker (40000T) silos.
 - c. Construction quality control.
 - d. Sub-soil investigation.
 - e. Topographic survey.
 - f. Project Management.
5. LPG Malaysia Jetty at Mongla ('99-'01).
 - a. Design of 3000T dolphin jetty.
 - b. Construction quality control.
 - c. Sub-soil investigation.
 - d. Topographic survey.
6. Holcim Jetty (Formally Asugang Cement Factory) at Mongla Port ('00-'02).
 - a. Design of jetty.
 - b. Design of clinker silo (10,000T) and cement silos (3x2000)
 - c. Construction quality control.
7. Design of 25,000T and 5000T Cement Silos at Chittagong clinker factory and construction quality control ('01-'02).
8. Design of 10,000T cement silo at Munshigong and construction quality control ('01).
9. Design of 45000m² x 10 storied Jamuna Future Park (including 3 underground basement and 2 Nos. 15 storied towers) at Baridhara with pre-stressed concrete and reinforced

concrete flat slab; including, subsoil investigation, cone penetration test, and construction quality control ('02-'05).

10. Design of 4000m² x 10 storied Factory Building for Sinha Textile at Kanchpur with pre-stressed concrete flat slab including subsoil investigation and construction quality control ('01-'02).
11. Design of 3500m² x 8 storied Factory Building at Ashulia for Medlar Fashions with pre-stressed concrete flat slab including subsoil investigation and construction quality control ('03-'05).

LIST OF GEOTECHNICAL INVESTIGATION AND ENGINEERING SERVICES RENDERED DURING 1972- 2005.

Geotechnical Investigation and Consultancy services provided by FCL for the following Government Agencies:

Public Development Board (PDB):

1. Sub-Soil Investigation for construction of proposed 173 MW Combined Cycle Power Plant at Baghabari, Sirajgonj, Bangladesh under Hyundai Engineering & Construction Con. (BD) Ltd., 13 Nos. exploratory boreholes upto 27 to 39 m depth, year of 1999.
2. Soil investigation and Design of Foundation of 300 Nos. 132 KV Transmission Towers of Greater Dhaka Power Distribution projects for P.D.B., Dhaka.
3. Geo-technical Investigation Work for the construction of Sikalbaha-bakalia River Crossing Tower Greater Chittagong Power Distribution Project.
4. Sub-Soil Investigation for construction of proposed 360 MW Power Plant at Haripur Naryangonj, under Huundai Engineering & Construction Co. (Bangladesh) Ltd., Dhaka. 25 Nos. exploratory boreholes upto 10 to 50 m depth, year of 1999.
5. Sub-Soil Investigation for construction of proposed Meghanghat 450 MW Combined Cycle Power Plant Project at Narayangonj under AES Meghanghat Limited, 21 Nos. exploratory boreholes upto 15 to 40 m depth, year of 1999.
6. 132 KV Transmission Towers:
 - Khulna-Bagerhat- 200 “
 - Bagerhat-Pirojur 60 “
 - Sikalbaha-Dohazari 94 “
 - Mahmudabad-Ashugonj 8 “(River- Crossing towers)
For Power Development Board.
7. Sub-Station at Mugdapara of Dhaka Tongi.I.A. Noapara of Jessore Bagerhat of khulna and Dohazari of Chittagong for Power Development Board.
8. Staff Quarters of Development Construcin Division –II Dhaka electricity Supply, Power Development Borad at Postogola. Dhaka.
9. River –Crossing towers at Ujanishar, Brahmanbaria, Comilla for Power Development.
10. Staff Auarters of Charbanda, Barisal and Banaripara, Swarupkati, Gournadi, Ghakhar, and Jalakati Electric Supply for Power Development Board, Barisal.
11. River –Crossing Towers at Kaligonj River, for Construction Division, P.D.B. Barisal.

12. River –Crossing Tower at Aurang (Matlah) for Chandpur Elec. Supply P.D.B. Chandpur.
13. Multistoried Building at Shahaji Bazar Power Station for P.D.B., Sylhet
14. 50000 gal R.C.C. Over hand Water Tank at Siddirgonj Power Station P.D.B., Dhaka.
15. Extension of Central Equipment Repairing shop, at Tongi for P.D.B.
16. Students Hostel at Goalpara, Khulna for Training Directorate, P.D.B, Tongi.
17. River Crossing towers at Chhata Feni River near Celonia Bazar, Feni.
18. B.C.D.E. & F. Type Quarters for distribution, PDB Noakhali.
19. River –Crossing and anchor towers at Chittagong. Area for Transmission Project Division – I Dhaka.
20. Overhead Water Tank on a Hill Top at karnafuli Hydro Station, Kaptai PDB).
21. 132 KV Transmission Towers and Sub-Station at Greater Chittagong Power Distribution Project PDB.
22. Multi- storied Building at Tepar, Shibalya, Dhaka for PDB East –West Interconnector Division –III, Dhaka.
23. Multistoried Building at P.C. Pole Manufacturing Project at Palash, Dhaka for Bangladesh Power Development Bored (BPDB).
24. Multistoried Building at Tongi and Nayarhat for East-West Inter Connector Project Division-I, PDB, Dhaka.
25. Sub-Station at Kushtia, Faridpur, Barisal inconnection with Bheramara-Barisal 132 -KV Transmission Line for Toyomenka Kaisha Ltd. / PDB.
26. 33 KV Transmission Towers from ADA Sub-Station to Satmasjid Sub-Station.
27. 33 KV Transmission towers from Mirpur Sub-Station to Satmasjid Sub-Station, Dhanmondi. Dhaka.
28. Geotechnical Investigation for Kaptai Hydro-Electric Power Plant Extension, for PDB/TEPSCO, Japan.
29. Geotechnical Investigation for Kaptai-Baraulia 132 KV Transmission Line for PDB/TEPSCO, Japan.
30. 33 KV River Crossing Towers at Kamarkhali, Faridpur for PDB.
31. Proposed 16 MW Gas Turbine Power Station at PUFF, Polash, Ghorashal, Dhaka for STAL-LAVAL TURBIN AB Sweden.

32. 25MW Barisal Gas Turbine Power Project for Union Mercantile Agency Ltd.
33. Rupatali Gas Turbine Project for Construction Division, P.B.D. Barisal.
34. Multistoried Building and Bridges for FDTC, Kaptai for Sweddforest Consulting A.B.
35. Multistoried Head Office Building of Dhaka Electric Supply at Abdul Goni Road, Dhaka.
36. Sub-Station at Kaliakair, Dhaka.
37. Geotechnical Drilling and soil Testing and Tube well Construction of Proposed Large Thermal Power Station 1200 MW at Meghna Ghat.

Roads and Highways (RHD):

38. Geo-technical Investigation for Construction of Padma bridge Pre-feasibility Study at Kumarboug, Mongal Mirza Kandi and Majhirchar July - 1999.
39. Sub-soil Investigation of Constv. of Ground Investigation Dynamic Cone Penetration Test, Mica Content test and Laborator test at Bhairab Bridge Feb 1999.
40. Sub-Soil Investigation Work for the proposed construction of 5th Bangladesh China friendship bridge at 22nd Km of Barisal-Jhalakati-Bhandaria-Perojpur Road under Road Division.
41. Sub-Soil Investigation for Construction of proposed PAKSEY Road Bridge on the River Padma, Bheramara under Development Design Consultants, 5 exploratory boreholes upto 120 m depth on –shore & off – shore.
42. 15 Nos. Bridges on River Gaps on Barisal-Patuakhli road for R & H. Department (IDA financed.)
43. Shitalakkha River Bridge on Dhaka –Chittagong Highway for R & H Directorate and Mitsui- Ohbayashi J.V. Association.
44. Kaligonj Bridge Over Bashia River on Biswanath –Jagunnathpur Road, Sylthet.
45. War Damaged Bridge on Fulbari to Gobindaganj Road on Tulshigona River, Dinajpur.
46. Companigonj and Uzanishar Bridges on Brahmanbaria- Companigonj Road.
47. Shalanga Bridge on the River Gardaha River on Shalanga-Taras Road.
48. Balarghat bridge on the River Manas on Rangpur – Bukirhat –Mohipur Road, Rangpur.
49. Kalurghat Bridge, Chittagong for R & H, Chittagong.

50. Bridge on River Akhira, Rangpur for Rangpur District Council.
51. Bridge No. 18/1 on Comilla –Chandpur Road for R & H Directorate.
52. R.C.C. Bridge at Meherpur, Kustia.
53. R.C.C. Bridge at Nepaltali, for District Council, Bogra.
54. Bridge Gaps at
 - a) Port Connector Road and Across Road at Chittagong.
 - b) Moynamati- Companygonj road and Sylhet Teliapara Road
 - c) Kaligonj –Tibannagar-Chuadays Road.
 - d) Kalurghat Bridge on Chittagong Cox’s Bazar Road all for Roads and Highways.
55. River –Crossing Tower at Assaspmo River, Shatkhirra Khulna for P.D.B. Jessore.
56. 350’-0” Span Khowai Bridge Site, Habigonj, Sythet for Sylhet Zilla Parishad.
57. Bridge at Moymathapur, Khuksia Purbagopinathpur, Ghagot DB, Road for BWDB
58. Panchagurh Bridge on Pnachagure Tetulia Road, Dinajpur for R & H.
59. Bridge No. 3/2, 5/3, 7/2, and 10/1 of Dhaka- Khulna Road for Road Research Laboratory, R & H, Dhaka.
60. Jaikhal Bridge at Barisal for comociates Ltd., Dhaka.
61. Static Cone Penetration Test at Jamuna Multipurpose Bridge Project, Contract No. 1, Work Harbour Area, Bhuapur Tangail during 1996-1997 at locations upto 25 m depth.
62. Sub-Soil Investigation for construction of proposed Katakhalia River Bridge at Kanoa, Perojpur under Roads & Highways Department (RHD) Perojpur Road Division, Perojpur 4 Nos. exploratory boreholes upto 30 m depth, year of 1998.
63. Construction of War Damage Bridge –Shalanga Bridge, Pabna for ECA
64. Padma Bridge
65. Mohakhali Flyover at Mohakhali Dhaka
66. Sub-Soil Investigation for Construction of Proposed Brahmaputra Bridge at Mymensingh.
67. Geotechnical Investigation for proposed Mohanadah bridge, Rajshahi.

Local Government Engineering Department (LGED):

68. Sub-soil investigation for construction of Khilgaon Flyover, November 2002.

Public Works Department (PWD):

69. 204 Nos. Food Grain Storage in the districts of Dinajpur, Rangpur, Bogra and Rajshahi for P.W.D. (IDA financed).
70. 400 ft. Ratio Mast and Board Casting House at Sylhet, 400 ft. Ratio Mast at Kalurghat and 190 ft Ratio Mast at Agrabad, Chittagong for Central Civil Division, PWD, Chittagong.
71. Public hall at Pabna for P.W.D Circle, Rajshahi.
72. River-Crossing Towers at Balashar River near Perojpur for Construction Division, P.W.B. Bagerhat.
73. Multistoried Building at Jamboori Field, Chittagong for P.W.D. Division-I Chittagong.
74. Multistoried Residential Building at Rajshahi, P.W.D Division Rajshahi.
75. Multistoried Building at Shershah Colony Chittagong for P.W.D division –I Chittagong.
76. Multistoried Building (Dormitory) at Green Road Dhaka for P.W.D division –II. Dhaka.
77. Multistoried Building (Dormitory) at Green Road, Dhaka for P.W.D. division-II Dhaka.
78. Nurses Training Center (Multistoried) Bldg. at Sir Salimullah Medical Hospital premises, Dhaka for City P.W.D. division Dhaka.
79. 16-storied Building at Baily Dump for City P.W.D division Dhaka.
80. Students Hostel at 8 Nalgola, Dhaka for City P.W.D. division Dhaka.
81. Students Hostel at 8 Nalgola Dhaka for City P.W.D division Dhaka.
82. Multistoried Building for Film Processing Laboratory-cum-Sound Recording Studio at Kakrail, Dhaka for PWD Abandoned Bldg. Division, Dhaka.
83. Multistoried Cultural Center at Civic Center Complex, Dhaka for City P.W.D, Division, Dhaka.
84. Modernization of Sub-divisional Hospital at Sunamgonj for Sylhet PWD Division-I,
85. Training Institute for Deaf & Dumb at Sylhet for Sylhet PWD Division-1.
86. Construction of Mausoleum on the Graves of Three National Leaders in Dhaka for P.W.D. Division –IV, Dhaka.

87. Modernization of Sub-Division Hospital at Munshigonj, Dhaka for PWD Division –V, Dhaka.
88. Construction of Multistoried Non-Residential Office Building in connection with Expansion of Bangladesh – Education Equipment bureau, at Mirpur, Dhaka for PWD Division –III, Dhaka.
89. Construction of Low Cost Multistoried Govt. Owned House (5 groups) at Agargaon, Dhaka for Saver PWD division Dhaka.
90. Construction of Multistoried Govt. Owned House (Six-storied Walk –up) at Zigatola, Dhaka (Pile Load Testing) for Joydevpur PWD Division, Dhaka.
91. Construction of Office Building for Food grain Silo No. I Patenga, Chittagong for Chittagong PWD Division –IV Chittagong.
92. Multistoried Govt. Owned Houses at Rajshahi for PWD Division –I/II, Rajshahi.
93. Public Administration Training Complex at Saver, Dhaka for Public Works Department (PWD) Division, Savar.
94. Kaligonj Thana Complex at Kaligonj. Dhaka for Public Works Department (PWD) Division –VI, Dhaka.
95. 25, F.S. Godown in Rajshahi District (ADB Finance Food Grain Storage Project), under Rajshahi PWD Division.
96. Proposed Community Center-cum –gymnasium at Motijheel Colony Dhaka for PWD Division –VIII, Dhaka.
97. Construction of Reserve Police Line at Haliashahr, Chittagong for Chittagong PWD Division –II Chittagong.
98.
 - a) Radio Radar Instructional Building,
 - b) Admn. Building,
 - c) New Cadet Hostel Site.
 - d) Academy High School,
 - e) Filtration Plant,
 - f) Extension of
 - g) Anti land slide Measure and Protection of R.C.C Jetty for Marine Academy, Chittagong under PWD. Division –V.
99. Staff Quarter Building, 2000 Men Accommodation Building, Battalion Head Quarter, BDR and Overhead Water Tank at Khagrachari and Marishya, Rangamati under C.H.T. PWD Division.
100. Construction of 10 Units Class-I Officers Quarters at Casualty Block attached to DMCH, Dhaka for City PWD Division.

101. Multistoried Building at Zigatola. Dhaka for Joydevpur P.W.D Division.
102. Multistoried Building for BIDS at Sher-e-Banglanagar, Dhaka under PWD Division – XV, Dhaka.
103. Carrier Women Hostel at Chandgaon, Chittagong under Chittagong PWD Division –II.
104. 50-Beded Hospital at Godagari in the district of Rashahi under PWD DivisionII, Rajshahi.
105. Multistoried Walk-up Building at Green Road, Azimpur, Palashi and Palashi Bazar, Dhaka under PWD Division-II, Dhaka.

Bangladesh Railway:

106. Geo-technical Investigation for Construction of Proposed Titas Railway Bridge No. -1 Azampur Railway Station (Akhaura by Pass) May - 2003.
107. Administrative Building of Bangladesh Railway at Kamalapur, Dhaka.
108. Sub-Soil Investigation for construction of Railway Backshop Project at Parbatipur Dinajpur.
109. Sub-soil Investigation for construction of Railway bridge no.- 2/A between station Mymensingh –Shambugonj.
110. Sub-Soil Investigation for construction of Railway Bridge No. –8 / A between Station JLX-DWB.
111. Geotechnical Investigation and Laboratory Test work of Jamuna Bridge Railway Link Project under SYSTRA- CANARAIL year of 1997. 50 Nos. exploratory boreholes upto 30m depth.
112. Container Terminal Kamalapur Railway Station, Dhaka.
113. Construction of proposed two no. bridges with cast-in-situ piles (vertical pile) of span 1X 40'-0" & 3X40'-0" at different location for establishing direct linkage from Titas Railway Bridge No. 1 Azampur Railway Station(Akhaura Pass).

Jetty:

114. Explosive Cargo Jetty in between No. 17 and Cement clinker Jetty at Port of Chittagong.
115. Khulna Cement Clinker Grainding factory at Mongla (RCC. jetty, Factory Bldg. godown, Administration bldg., Housing Complex etc.) for BMEDC.
116. Joypurhat Lime Stone and Cement Project for BMEDC.

117. R.C.C. Jetty, 6-storied Building Overhead Water Tank, Ware House Type A &B at Mongla Port for Port of Chalna Authority.
118. R.C.C. Jetty on the River Moheshkhali, Cos's Bazar for Christian Commission for Relief & Rehabilitation.
119. R.C.C. Jetty and Godown at Dhaka and Narayangonj for IWTA, Dhaka.
120. R.C.C Jetty at Badamtoli Ghat, Dhaka for I.W.T.A.
121. R.C.C. Jetty & Cutfit Basin at BIWTA workshop Ghat, Barisal for IWTA.
122. R.C.C. Jetty, Godown & staff Quarters at Mongla for Chalna Port Authority, Khulna.
123. Multi –storied Transit Shed Behind Jetty No. 10-11 at Chittagong Port Protected Area for CAP.
124. Sinking and Installation of 6”x 14” dia deep tube well at BTV Satellite Station at Mymensingh.
125. Television Center at Noakhali for Bangladesh Television, Dhaka.
126. Explosive Cargo Jetty in the River Karnafully, Chittagong.
127. Proposed Jetty at BNS Issakhan, Chittagong.
128. Naval Jetty at BNS Issa Khan, Chittagongj.

Telephone, TV & Radio:

129. Telecommunication Staff College at Joydevpur, Dhaka for T & T Board.
130. Microwave River –Crossing tower at Assassoni Jessore.
131. Microwave Towers at Thankurgaon, Dinajpur, Fullbari, Rangpur, Perojpur and Barisal for Bangladesh Telegraph and Telephone Board, Dhaka.
132. T & T Exchange Building at Kurigram, Nilphamari, Nawabgonj and natore for Bangladesh Telegraph & Telephone Board, Bogra.
133. Microwave towers at Comila for C.D. T & T Board, Dhaka.
134. 20-storied Administrative Building at 36/1, Mymensingh Road, Dhaka for B T & T, Dhaka.
135. Radio Radar Station Building at ZIA International Air Port, Dhaka for ADA.
136. Television Centers at Rangpur, Mymensingh and Noakhali for Bangladesh Television, Dhaka.

137. Gateway House of B.T.V at Rampura, Dhaka.
138. Extension of Auditorium at Rampura TV. Premises, for Bangladesh Television.

Armed Forces (Army, Air, Navy):

139. Extension of CMH and 'E' & 'F' Type Quarters at Chittagong Cantonment, Jessore and Bogra Cantt. for D.W.& C.E. (Army), Dhaka.
140. (a) Multistoried Building at Haliashahar, Chittagong and
(b) Overhead Water Tank at Bhatia Army Academy, Chittagong for MES, Chittagong cantt. Chittagong.
141. a). Eight D-Type Quarter,
b). Eight E-Type Quarter,
c). O.R.S. Quarter,
d). Eight J.C.O. Quarter,
e). Family Accommodation,
f). Major Unit for Engineering B.N. for MES at Chittagong Cantt. Chittagong.
142. (a) O.R.S. Quarter,
(b) S.M. Barrack,
(c) Administrative Office,
(d) E-Type Quarter at Artillery Center & School, Haliashahr, Chittagong Cantt. for MES Chittagong Cantt., Chittagong.
143. (a) Auto Signal Center
(b) Single Storied Officers Mess,
(c) Multi-storied Servant Quarter and
(d) Multi-storied Building BOQ at Savar Cantt. for MES, Dhaka.
144. E-Type Qtr., JCOs Mess Accommodation and BOQ at Pagla and Postogola for MES, Dhaka.
145. D/E Type Qtr., Overhead Water Tank, Shaheen School, H.Q., at BAF Base Jessore for CMES (AIR) Dhaka.
146. Proposed Public School at Chittagong Cantt. under CMES, Chittagong Cantt. Chittagong.
147. E-Type Quarter, 120 Men & NEC' BRK, Cook House, Regimental Office, 1 X 16 ORSQTRS at Savar Cantt. Savar, Dhaka.
148. Proposed Base H.Q., Hanger and Tarmak at Patenga. Chittagong under GE(Air), Chittagong.
149. Proposed G.C. Accommodation. Building No. 1,2,3 & 4 at Bhatia (BMA); SM BK Building, I, Cook House JCO'S QTR., SM Building 2, MES Office Building at

Bandaban, SM BK & MES Building at Bedvedy, Rangamati CHT and Nos. of Building at Khagrachari, for CES, Chittagong

150. AIR FORCE H.Q. BUILDING (4 Buildings) at Tejgaon, Dhaka for CMES (AIR) Dhaka.
151. Gun Garage, 9 MT Garage & Store, 10 MT Garage and store, 2-storied Regt. Office Building at Chittagong Cantt. for CMES, Chittagong.
152. Navy Cinema Hall at Rakirhat, Chittagong for Bangladesh Navy.

Food & Fertilizer Storage:

153. A & B Type ware House at Permanent Port Site (Chalna) for Port of Chalna Authority.
154. F.S. Godown with Anchillary Buildings at Thana H.Q. at Paikgacha for PWD Division-I, Khulna.
155. 3 Nos. 500 Ton Capacity F.S. Godown & Ancillary Buildings at Pathelghata & Paikgacha, Khulna.
156. Expansion of Factory Building & Godown No.1 & 2 at Eastern Cable Site, North Patenga, Chittagong.
157. Fertilizer & Food Godown at Hatiya & Sandwip for Worldwide Engineers. Dhaka.
158. 65, F.S. Godown in Barisal District (ADB Finance Food Grain Storage Project), under Rajshahi PWD Division.
159. F. S. Godown at Jibannagar, Kushtia.
160. F.S. Godown at Piragacha, Naldanga and Golapbagh, Rangpur under PWD Food Division, Rangpur.
161. Fertilizer Godown at Faridpur and Jessore for DEMC, Dhaka.
162. 500 Ton Capacity F.S. Godown at Kusumbi Kaligonj under PWD Division-II, Rajshahi.
163. F.S. Godown at Amtali and Bogra, Patuakhali for Project Construction Cell, Food, PWD Circle, Dhaka.
164. Fertilizer Godown at Mouza Haramia, Sandwip for M/S. Mostafa Brothers (p) Ltd., Dhaka.
165. 1000 Tons Capacity F.S. Godown (2 Units) at Gaibandha in the district of Rangpur under IDA Credit No. 787BD, during 1982 – 83.

Cyclone Shelters:

166. 200 Nos. Cyclone Shelters (Multistoried building) in Patuakhali and Barisal (Bhola) Districts of Building Directorate (IDA financed).
167. Extension of Cyclone Shelter –25 Nos. Site at Patuakhali & Bhola for P.D., P.W.D. C.S.C. Circle.
168. Sub-Soil Investigation for Construction of 39 nos. of Cyclone-shelters at Coastal belt of Greater Chittagong District under Bangladesh Red Cross Society.
169. Sub-Soil Investigation for Cyclone Shelter sites at Dublar Char, Bagerhat.
170. Sub-Soil Investigation for Cyclone shelters at Moheskhali, Cox's Bazar under Society for peace and Development (SPD).
171. Sub- Soil Investigation for Construction of Cyclone Shelters at Patiya and Shitakundo, Chittagong under World Vision.
172. Sub-Soil Investigation for Construction if Multipurpose Cyclone Shelters at Chittagong under C.C.D.B.
173. Sub-Soil Investigation for Construction of 81 Nos. Cyclone Shelters in the coastal Belt and offshore islands in Chittagong, Khulna and Barisal Region under CARITAS Bangladesh during 1993-1994.

Geotechnical Investigation and Consultancy services provided by FCL for the following Private Agencies:

Treatment Plant:

174. Sub-Soil Investigation for construction of proposed Saidabad Water Treatment Plant at Saidabad, Dhaka, under Hanil Constructions Company Ltd., 25 Nos. exploratory boreholes upto 25 m depth, year of 1999.
175. Sub-Soil Investigation at Land & River for LPG Plant Site in Mongla Port Area, Mongla, Bagerhat under ELPIJI Malaysia –Bangladesh Limited year of 1997.11 Nos. exploratory boreholes upto 70 m depth on-shore and off-shore and CPT at 3 locations upto 30 m depth.
176. Design of Foundation of 5 Nos. Light Towers at Heron Point, Sawar Sand, Akram Point and Boar Point at Sundarban Area (Desing and Preparation of Schedule of Works and Tender Documents) for Chalna.
177. 27 Nos. Hospitals/Ruarl Health Centers in Rangpur, Dinajpur, Rajshahi, Bogra, Faridpur, Barisal, Dhaka, Chittagong and C.H.T. for Hammet Rowe Norton group Partership, Engineering Consultants & Associates Ltd., and Sthapati Sangshad (IDA financed).

178. Investigation of Availability, Quantity and Quality of Ground Water at G.E.M. Plant, North Patenga, Ctg. by 1380 ft. deep 6" dia boring for Bangladesh Steel & Engineering Corporation (a Russian aided Project).
179. Investigation of Availability, Quantity and quality of Ground Water at Kurmitola International Airport, Dhaka by 700 ft. deep boring for Airport Development Agency Limited, Dhaka.
180. Institute of Epidemiology Diseases Control and Research (Admn. Block) at Mohakhali, Dhaka.
181. Water Treatment Plant at Pirojpur Barisal for public Helth Engineering, Barisa.
182. Overhead Water Tank at Rajshahi Medical College Compound, Rajshahi.
183. Overhead Water Tank (80,000 gal. capacity) for New Army Camp, Mirpur, Dhaka for Housing & Settlement.
184. Overhead Water Tank(100,000 gal. capacity) at Barisal Medical college, Barisal.
185. R.C.C. Water Tank at Sheikhpura Khulna.
186. 100000 gal R.C.C. Water Tank at Kadan Rani Ground N. gonj for P.H.E.
187. Overhead Water Tank on a Hill Top at Srimangal, Sylhet for Bangladesh Tea Rehabilitation Project.

Industry:

188. Sub-Soil Investigation for construction of proposed Dhaka Grinding Plant Project at Tatki, Rupgonj, Narayanganj under Korea Heavy Industries & Construction Co., Ltd., Korea 21 Nos. exploratory boreholes upto 30 to 44 m depth, year of 1999.
189. 24 Nos. Regional Academy for Rural Development, Agricultural Training Institute, Graduate Training Institute, Thana Training Institute and Filed Extension facilities all over Bangladesh for M/S. SHAHIDULLAH AND ASSOCIATERS LTD.
190. Monir Chemical Works at Joydevepur, Dhaka.
191. Hard Metal Gallery at KDA Plot Khulna.
192. Insulator & top Sanitary Ware Manufacturing Plant Mirpur, Dhaka for Bangladesh Chemical Industries Corporation.
193. Staff Quarters, Godown, Bank and Club Building at chhatak Cement Factory Limited, chhatak, sylhet for Bangladesh Mineral Exploration Development Corporation.
194. Marine Maintenance Workshop at Soltgola, Chittagong for Bangladesh Shipping Corporation.

195. DECA CHAIN MASTER Station at Chandpur for IWTA.
196. Fish Harbour at Digraj, Mongla for Fisheries Development corporation.
197. Export Purpose Urea Fertilizer Project at Shatnal, Comilla for BCIC.
198. Factory Building of Navana Sports Limited at West Rupsi, Rupganj, Dhaka.
199. Drainage Regulators of Hizla Embankment Project at Barisal for Barisal W.D. Division.
200. Meghna-Dhonagoda Irrigation Projects, Chandpur, Comilla for BWDB(S-B Zone), Comilla.
201. 15 Nos. Sluice –Cum- Pump Station at Nalchity P.S. for Barisal Irrigation Project, BWDB, Barisal
202. Institute of Nuclear Agriculture at Agricultureal university Premises and Jail Road. Mymensingh for Bangladesh Atomic Energy Commission, Dhaka.
203. Test Boring at National Cotton Mills Site Fouzderhat, Chittagong for B.T.M C. Dhaka.
204. Rangmati Textile Mills at Rangamati for Vastukrit, Dhaka.
205. Panther Steel Industry at Tongi, Dhaka.
206. Pre-Stressed Concrete Pole Manufacturing Plant at Ghotsdhl, Dhaka for EAstern elector (Bangladesh) Limited.
207. Toyota Vehicle Assembly Plant Founzderhat Chittagong for NAVANA LIMITED.
208. Leather Research Laboratories of BCSIR at Nayarhat Dhaka.
209. Balancing and Modernization of Chhatak Cement Factory (BMR 79) Sylhet for Bangladesh Mineral Explosion Development Corporation (BMEDC).
210. Slip way at Mirerbaugh, Subhayada, Dhaka Dockyard & Engineering Works Ltd.
211. Sinking and Installation of 6” diameter Deep Tube Well at UFFG Premises for Bangladesh Chemical Industries Corporation (BCIC).
212. Cold Storage at Daudkandi, Comilla for Bangladesh Rural Advancement Committee, Dhaka.
213. Multistoried Housing Complex for Indusrtial Workers at Muradpur, Chittagong (BSEC).
214. Proposed 3rd Tube Mill Plant at National Tube Site, Togi.
215. Multistoried Housing Complex for Industrial Workers at Town Khalispur, Khulna for Khulna Shipyard Ltd.(BSEC).

216. 2 Nos. Permeable Steel Pipe Spurs for Protection of Hatiya Towj and its adjoining areas form severo erosion during 1980-81 under W.D. Division Noakhali.
217. Mitali Food Industries Complex at Plot Nos. A-21, 22, & 23 BSIC Industrial Estate, Siromoni, Khulna.
218. Bogra Heavy Industrial Complex (Proposed), Cheaipuhuria, Khulna for BSEC, Dhaka.
219. Standard Factory Building Site, Export Processing Zone, CPA, Chittagong.
220. Cinema Hall at Chashara, Narayangonj for Crescent Jute (Bangladesh) Ltd., Narayangonj.
221. Proposed Model Cold Storage at Taltala, Munshigonj for Islam Enterprises, Dhaka.
222. Proposed Biscuit Factory at Rupushi Narsingdi, Dhaka.
223. Overhead Water Tank at Platinum Jublee Jute Mills Ltd. Town Khalishpur, Khulna.
224. Machinery Foundation of Re-rolling Mills & 6-storied Building of M/S. Zahed Wire & Allied Industries, Nishindara, Bogra.
225. Proposed Crescent Paper & Pulp Mills Near Meghna Ghat, Dhaka.
226. Rangpur Jute Mills at ullipur, Rangpur.
227. Standard Factory Building Site, EPZ, Chittagong for CPA.
228. Factory Building of KDH Laboratory at Tongi, Dhaka.
229. Sinking and Installation of 6" x 14" dia, 400 ft. deep Tube Well for B C A S at Joydebpur, Dhaka under Mitsui construction Co. Ltd. Japan.
230. Soil Investigation at Karnafully River in Connection with proposed Chittagong Urea Fertilizer Factory for VAN OORD-UTRECHT NV, Netherlands.
231. ABC Complex at Dhaka Salna, Joydebpur, Dhaka.
232. Agricultureal School at Enayetpur. Joydebpur, Dhaka for ABC Ltd., Dhaka.
233. 5 Nos. Cold Storage at Jamalpur, Kishoregonj, Jessore, Thakurgaon and Faridpur, for BADC, Dhaka.
234. Factory & Office Building of North Bengal Cycle Industries, Tangail.
235. Multistoried Building (2nd Bldg.) of Dhaka Chamber of Commerce & Industries 65, Motijheel C.A., Dhaka.

236. Sub-Soil Investigation for proposed Jamuna Fertilizer Factory at Tarakandi- Jamalpur. under BCIC.
237. Sub-Soil Investigation for Construction of Magura paper Mills Ltd., near Meghna Ghat, Narayongonj.
238. Lafarge Surma Cement Plant at Chattak, Sunamgonj, Bangladesh, January 2004.

Building:

238. Housing Complex of BSEC at Kalurghat, Chittagong.
239. CCGF Housing Colony at North Patenga and Agrabad C.A., Chittagong for BMEDC.
240. Bangladesh Overseas Center at Sylhet.
241. Sub-Station Building and Museum Building inconnection with the Scheme National Monument at Savar, Dhaka.
242. National Institute of Social Preventive Medicine & Nutriation Institute at Mohakhali, Dhaka.
243. Fire Stations at Bandar, Narayangonj and at Demra, Dhaka.
244. Multistoried Commercial Building at Plot No. 12, Kawranbazar, C.A., Dhaka.
245. B.F.I.D.C. Head Office Building at 73, Motijheel C.A., Dhaka.
246. Multistoried Building at Kalibari, Mitford, Dhaka.
247. H.B.F.C. Annex Building at 22, Purana Paltan, Dhaka.
248. National H.Q. Building of Bangladesh Boys Scout at Purana Paltan, Dahak.
249. BRAC Press –Cum-Office Building at Mohakhali C.A., Dhaka.
250. 1,25,00 sft. 3rd Arts Building Rajhahi University, Rajshahi.
251. Were House No. 3, Ctg. Port Trust for Port Directorate, Chittagong.
252. 100-beded Hospital at Tangail for Building Design Division –II, Dhaka.
253. Extension of B.G. Press at Tejgaon, Dhaka for Dev. Bldg. Divin.-1, Dhaka.
254. Secretariat Building of Bangladesh Council of Scientific & Industrial Research, Dhaka.
255. Diabetic Research & Rehabilitation Center at Shahbagh, Mymensingh Road, Dhaka for Dev. Bldg. division –I, Dhaka.

256. 100-bedded Hospital at Patuakhali for Patuakhli Building Division.
257. Nos. of Commercial Buildings (Multistoried) and Residential Buildings at Dhaka and Chittagong, etc.
258. Academic & Administrative Buildings, Student's Hostel and Staff Quarters of Forst Development Training Center Project at Kaptai, Chittagong.
259. Head Office Building (Multistoried) of Titas Gas Transmission & Distribution Company at Kawran Bazar, Dhaka.
260. Custom and Excise Training Academy at Fauzderhat, Chittagong for satellite Ground Station Division. BPWD, Chittagong.
261. Administrative Building of Film Development Corporation at Tejgaon, Dhaka.
262. New W.D.B. Colony Site of Halda W.D. Division at Badderhat, Chittagong.
263. Multistoried Building for Mr. S.M. Rahmatulla at Simson Road, Dhaka.
264. GTS-CUM-PRESS Building near Farm Gate for Bangladesh Biman.
265. 'D'-Type Quarter at P & T Colony, Motijheel, Dhaka.
266. 'E' & 'F' Type Quarters at Pabna, Jessore, janaidah and Kustia for G.M.D., Pabna.
267. Multistoried (six-storied) Govt. owned House at Khulna (3-roomed, 2-roomed Flats and Dormitory) for building Division –I Khulna.
268. Extension of C.M.N., Dhaka Cantomment, Dhaka.
269. Forest Development Training Center, Kaptai for Forest Development Corporation.
270. Science Library Building with Cafeteria
 - Cafeteria Attached to Arts Faculty
 - Students Hall, Attached to F.H. Hall
 - Institute of Nutrition Building near Science Annex Building
 - Institute of Modern Language Building.
 - R.C.C. Over Head Water Tank at Nilkhat Area
 - Construction of 5th Story over Building Nos. 21, 22, 26 and 27 at Nilkhet Area.
 - Building Nos. 40 and 41 at South West Corner of Z.H. Hall and Building Nos. 42, 43 and 44 at Azimpur Dhaka.
 - All at Dhaka University Premises for University of Dhaka.
271. Multistoried Residential building of Mr. Ayetullab at Malibagh-Chowdhurypara.
272. Multistoried Building of Sonali Bank Regional office at Ukilpara Faridupur.

273. 6 storied Building at Sheikhpara Khulna for TPD-I Khulna.
274. Multistoried Building at CDA Bldg. Premises and at Kazirdawari Market, Chittagong for Chittagong Development Authority.
275. Petroleum Institute Building at Plot No. 2 & 3 Kawran Bazar C.A., Dhaka. for PETROBANGLA.
276. Residential Building for Mr. Md. Shamim at Gulshan. Dhaka.
277. Multistoried Building for Khan & Co., Airport Road Dhaka,
278. Fertilizer Godown at Patuakhali, for B.A.D.C.
279. Multistoried Building at KDA Plot No.2, Khulna for Mr. Nur Ali.
280. Multistoried Building at KDA Plot No.3, Khulna for Khulna Chamber of Commerce & Industries.
281. Family Welfare Visitors Visitors Training School at Dinajpur & Khulna for ECA, Dhaka.
282. Staff Quarters at Chittagong for THE SPAN, Dhaka.
283. Family Welfare Visitors Training School at Rangamati & Field Training thana Health Complex at Raozan for ECA, Dhaka.
284. Housing Colony & R.C.C. Water Tank for Nuclear Agriculture, Mymensingh for Bangladesh Atomic Energy Commission, Dhaka.
285. Family Welfare Visitors Training School at Chhata boyra, Khulna for ECA /HES.
286. 2nd Annex Building of Bangladesh Bank at Motijheel C/A., Dhaka.
287. Housing Colony (5-Story Flats) of CCGF at Agrabad and Patenga, Chittagong for BMEDC, Dhaka.
288. Family Welfare visitors Training School within Comilla Hospital Campus for BCA/HES.
289. a) LPG Administrative Building
b) LPG Task Farm Area and
c) Floating Roof Oil Storage Tank at Chittagong for Jamuna Oil company Limited.
290. 4-storied Building at Segunbagicha for Dr. Ibrahim.
291. Overhead Water Tank at Dhaka Zoological Gardens at Mirpur, Dhaka for Dhaka Zoological Garden/Associated Architect & Engineers Ltd. Dhaka.

292. Housing Colony (5-storied flats) of TSP Complex at North Patenga, Chittagong.
293. Christian Students Hostel at Mohammadpur, Dhaka.
294. 20-Storied Head office Building of BFDC at Kawranbazar C.A., Dhaka.
295. 12 Storied Head Office Building of BFDC at Kawranbazar C.A., Dhaka.
296. Dinig Hall and Canteen of Shahidullah Hall of Dhaka University.
297. Community Centre at Azimpur Dhaka.
298. 7-storied Head Office Building of BJMC at 120 Motijheel C.A., Dhaka.
299. Christian Community Center at Tejgaon, Dhaka.
300. Baitus Sharaf Mosque at 149/A, Airport Road.Dhaka.
301. Proposed NATAB Ehaban at 19 Bangbandhu Avenue, Dhaka.
302. Multistoried Building at Kabi Jasim Uddin Road for Mr. Azizur Rahman, Dhaka.
303. Multistoried Building at Kabi Jasim Uddin Road for Samatuc Housing Ltd. Dhaka.
304. Multistoried Building of Bangladesh Hotels Ltd. at Motijheel C.A., Dhaka.
305. Metropolitan Medical and Housing Center at Tejkunipara, Dhaka.
306. Multistoried Building of M/S. Chowdhury Sons Ltd., at Godnile, Narayangonj.
307. 1.5 inch. dia. Test Boring for Construction of Deep Tube Well at Bangabhaban, Dhaka for WASA, Dhaka.
308. Head Quarter Building of Bangladesh Boys Scout Samity at Kakrail, Dhaka.
309. 4-storied Residence Building of Mr. Shamsul Huque at 193 / B, Khilgaon Chowdhurypara, Dhaka.
310. Institute Building (4-storied) National Major Seminary at Plot No. 112 (Block-A) Road No. 27, Banani, Dhaka.
311. Canteen Building of Bangladesh Pharmaceutical Industries at Tongi, Dhaka.
312. Multistoried Residential Hotel at Shadarghat, Chittagong for Mr. Salim of Chittagong.
313. Multistoried Housing Complex of Industrial Workers at Tongi, Dhaka for Bangladesh Steel Engineering Corporation (BSEC)
314. Multistoried Residential Building of Mr. M. A. Wadud at Khilgaon, Dhaka.

315. Multistoried Residential Building of Mr. Nurul Azam at Shamoli, Dhaka.
316. Jalalabad Cantt. Complex Sylhet for D.W.& C.E.(Army) Dhaka Cantt. Dhaka.
317. Multistoried Administrative Building Bangladesh Tobacco, Co. Ltd. at Mohakhali, Dhaka.
318. Medical Center Building (5–storied) of Dhaka University, Dhaka.
319. Library Building, Social Science Building, Students Hall, Auditorium Building, Overhead Water Tank and Class-III Employees Quarter at Jahangirnagar University Area, Dhaka.
320. Community Center at Mugdapara, North Bashboo and Goran Dhaka for Dhaka Pourashava.
321. UCEP Project in Mirpur, Dhaka.
322. 5-Storied Housing Complex for Free School Street Property Ltd., Siddeswary, Dhaka.
323. Residential Building at Plot No.4, Section-4, Road No.13 A, Uttara Model Town, Dhaka.
324. Boys High School & CPA Market No.4, CAP, Chittagong.
325. Multistoried Building of Bangladesh Insurance Academy at Mohakhali, Dhaka.
326. St. Joseph’s Intermediate Seminary Chapel at Arch Bishop House, Ramna, Dhaka.
327. Proposed Hotel Namino Ltd., near Dhaka International Airport, Dhaka.
328. Residential building at Plot No. 21, Road No. 8 Section- 4 Uttara Model Town for Mr. Khalilur Rahman.
329. Residential Building at 44/B, Haji Abdul Hai Road, Jhikatala. Dhaka for Mr. N.I. Sadar.
330. Club Building of BUET Premises, Dhaka.
331. KDH Laboratory, Tongi, Dhaka for Shapatyashilpa Ltd. Dhaka.
332. Multistoried Workers housing Complex, Chandraghona, Chittagong.
333. Multistoried Commercial Building of Mr. Saifuddin Ahmed Chowdhury at Khalishpur, Khulna.
334. Multistoried Office Building of ABC Ltd., at Banani, Dhaka.
335. Multistoried Commercial Building for Upodeshta at Moulvi Bazar, Dhaka.

336. Residential Building at Jamalkhan, Patenga, New Mooring, Khulshi, Barabkanda and Rangunia under Extn. Division, CCPDB, Chittagong.
337. ARA Multistoried Building at Road No. 68, Plot No. 13 to 16, Gulshan North Circle, Dhaka for American Embassy, Dhaka.
338. Residential Building of Karim Tobacco Co. Ltd., at Armanitola, Dhaka.
339. Multistoried Building of M. M. Ispahani and 7A, Paribagh, Dhaka.
340. Multistoried Building of BEL at 18, Central Avenue, Dhaka.
341. Residential building of Mr. Nurun Nabi at Indira Road, Dhaka.
342. Building T-18 of BPI at Tongi, Dhaka.
343. Multistoried Residential Building at Plot No.227/3/B/2 West Dhanmondi, Modhubazar, Dhaka for Mrs. Shamsun Nahar.
344. Multistoried Residential Quarters (4 Nos) of Bangladesh Navy at katchukhet Mirpur Dhaka.
345. 4-storied Residential Building of Mr.Khorshed at Lalmatia, Dhaka.
346. Proposed Multistoried Hotel Building of Sylhet Green Services at Green Road, Dhaka.
347. VVIP Terminal Building at ZIA International Airport, Dhaka for Civil Aviation Authority, Dhaka.
348. 4-storied Res. building at Plot No. 53, Block-4, Uttara Modal Town for Mr.S.C. Ghosh, Dhaka.
349. Multistoried Residential Building at Plot No. 47, Mohammadpur Housing Society, Dhaka.
350. Staff College at Mirpur Cantt., Dhaka.
351. Proposed Siddeswari College Building at Siddeswari, Dhaka.
352. BADC Ware House Phase-III Chandpur, Laxmipur, Chowmuhani, Cox's Bazar, Duhazari, Jamalpur, Kiahoregonj, Domar, Parabatipur and Gaibandha for Ammann & Whitney, Dhaka.
353. 5-storied Residential Building of Metroplitan Housing Society at Mohammadpur, Dhaka.
354. Proposed BCCI Building at SK. Mujib Road, Agrabad, Chittagong.
355. Proposed 20-storied Building for Eng. N.I Khan at DIT Ext. Road, Dhaka.

356. Multistoried Building of BPI at Tongi, Dhaka.
357. 5-storied Residential Building at Plot No. 38/1, Block –F, Ring Road, Mohammadpur, Dhaka for Mrs. T. Khan, Dhaka.
358. Proposed 5-storied Residential quarters of BFDC at Mongla and Rangamati.
359. 5-storied Residential Building of Mr. Azizur Rahman at Goran, Sipahibagh, Dhaka.
360. Dhaka Municipal Market Complex at Kawranbazar, Dhaka.
361. Sub-soil Investigation Work for Al-Hamara International at Sylhet.
362. Sub-Soil Investigation for construction of proposed National Secretariat Project at Sher - E- BVangla Nager Dhaka under Public Works Department, Division -II, 41 Nos. exploratory boreholes upto 15 to 40 m depth, during the year 1998.
363. Sub-Soil Investigation for construction of proposed SKS Tower at Mohakhali, Dhaka under Sena Kalyan Sangstha, 15 Nos. exploratory boreholes upto 25 to 40 m depth, year of 1999.
364. Sub-Soil Investigation for construction of proposed Multistoried Building at Dilkusha C/A, Dhaka under City Bank Ltd., 5 Nos. exploratory boreholes upto 45 m depth, year of 1999.

Irrigation:

365. Karnafuli Irrigation Projects along Halda-River for Walda W.D., Division, Chittagong(IDA financed).
366. Cross-dam at Kazipur. Pakulla Fulchari and Ratherbazar, for BWDB.
367. Regulators at Aranda and Rampur for BWDB.
368. Gramozone Plant of ICI (Bangladesh) Ltd., at Godnile, Narayangonj.
369. Foundation at different Sluice Sites at Polder No. 63/1B, P.S. Anwara, Chittagong.
370. Foundation at different Sluice Sites at Ploder No. 72, P.S. Sandwip, Chittagong.
371. Cross Dam at kazipur, Fulchari & Pakulla, Regulators at Ratherbazar, Sundurgonj, dunat, Aranda and Fulchari, Bridges at Moymuntapur, Khuksia, Purbagopinathpur and Ghogot etc. for Water Development Board.
372. Nos. of Sluice Sites at Hashempur, chagra and Kendua, Dhaka for BWDB.
373. Sub-Soil Investigation for construction of Bangladesh Agriculture Research Institute, Joydebpur.

374. Sub-Soil Investigation for construction of proposed Sluice Gate Culvert site at Ch:)+629, Nawabgonj, Sonamasjid Road, Natore under IRCON International Ltd., Bangladesh 3 Nos. exploratory boreholes upto 30 m depth, year of 1999.

Silo:

375. Geo-technical Investigation Work for construction of proposed clinker silo and cement silo of Mongla Cement Factory, Khulna.
376. Geo-technical Investigation of proposed cement silo Clinker Silo for Rubi Cement, Chittagong.

Others:

377. Dhaka Leather complex at Tongi Industrial Area for Bangladesh Chemical Industries Corporation (IDA financed).
378. 65 Nos. Sluice-cum-Pump stations of Barisal Irrigation Project in Kotwali, Babugonj, Nalchity & Jhalakati P.S in Barisal district for Water Development Board (IDA financed).
379. Staff Quarters, Overhead Water Tank at Siddirgonj Power Station for Power Development Board.
380. Fertilizer Godowns of BADC at Cox's Bazar, Dewanhat, Chittagong Comilla. Brahmanbaria Bhairab, Noagaon, Rajshahi.
381. Fulbari- Birampur –Palashbari Road R&H, Rangpur / Dinajpur.
382. A.T.I. Project at Dinajpur for Shaheedullah & Accociates Ltd. Dhaka.
383. Ranipukur Hardrock Mining Project, Madhaupara, Dinaijpur for BMEDC, Dhaka.
384. Chittagong Port Development Project, CPA, Chittagong.
385. Development of Patuakhali Airport (Survey & Soil Investigation Work) for ADA, Dhaka.
386. Film Laboratory Complex at FDC Premises, (Dhaka).
387. Nos. of Sluice Sites in Polder No. 61/1 P.S. Sitakunda, Chittagong under IDA Scheme "Sitakunda Rehabilitation Project" during 1980-81 for BWDB.
388. 15 Nos. Sluice-cum-Pump Houses in Bakergonj, Rajapur and Kawkhali P.S. Barisal.
389. Coffor Dam at Slip way Site, TM Compund, CPA, Chittagong.
390. Proposed Overhead Water Tank at Daulatpur Jute Mills Ltd., Town Khalishpur, Khulna.
391. Bridge Caps at 3/2, 5/3, 7/2 and 10/1 mile of Dhaka.

392. Overhead Water Reservoir at Rajshahi Medical College Campus for PWD.
393. Sub-Station at Tongi inconnection with East-West interconnector Project for M/S. Kanemaroo-Gosho Ltd. Dhaka.
394. Plate Load Test at Bangladesh College of Agriculture Science, Joydebpur, Dhaka for Mitsui Construction Company, Japan / Dhaka.
395. Sinking and Installation of 6” x 14” dia, 500 ft. deep Tube Well at BUET 5Premises,Dhaka.
396. Swimming Pool at BDR, Peelkhana, Dhaka.
397. Sweden Bangladesh Polytechnic Institute, Kaptai, CGT.
398. Proposed Overhead Water Tank at Dhania, Dhaka for Dhaka Fibres Ltd.
399. 100,000 Gallon Capacity Water Tank at AIR HQ, Kurmitola, Dhaka.
400. Geotechnical Investigation for 3000 Ton Capacity Godown at Hatiya Under Dutch Asstt. for ECA.
401. 50,000 Gallon Capacity Overhead Water Tank at Dairy Cattle improvement Farm at Bijoynagar, Rajshahi under PWD Division-I, Rajshahi.
402. Cold Storage at Taragonj, Rangpur for Khaleque Cold Storage Ltd., Chittagong.
403. Multistoried Building of Lutful Sea Way at 68, Shantinagar, Dhaka.
404. Multistoried Housing Complex of MCHS at Babar Road, Mohammadpur, Dhaka.
405. Plate Bearing Test on the Runway of ZIA International Airport, Dhaka under CAAB through Mitsui Constructions Ltd.
406. Sub-Soil Investigation for construction of Multipurpose community Center shelter at Sandwip, Bhola & Patuakhali under CARITAS Bangladesh
407. Soil testing work for the proposed Fertilizer at luxmipur, Noakhali.
408. Sub-Soil Investigation of Monoharkhali Fish Landing project site at Monoharkhali, Chittagong.
409. Sub-Soil Investigation at Land & River for LPG Terminal Facilities Site in Mongla Port Area, Mongla, Bagerhat under ESSO BANGLADESH TERMINAL CO. (U.K) LTD. year of 1997. 14 Nos. exploratory boreholes upto 70 m depth on –shore and off-shore and CPT at 4 locations upto 30 m depth.
410. Sub-Soil Investigation for construction of proposed Patenga Point Container Termina at Patenga, Chittagong under HAM VAN OoRD ACZ, 17 Nos. exploratory boreholes land & river upto 50 m depth, year of 2000.