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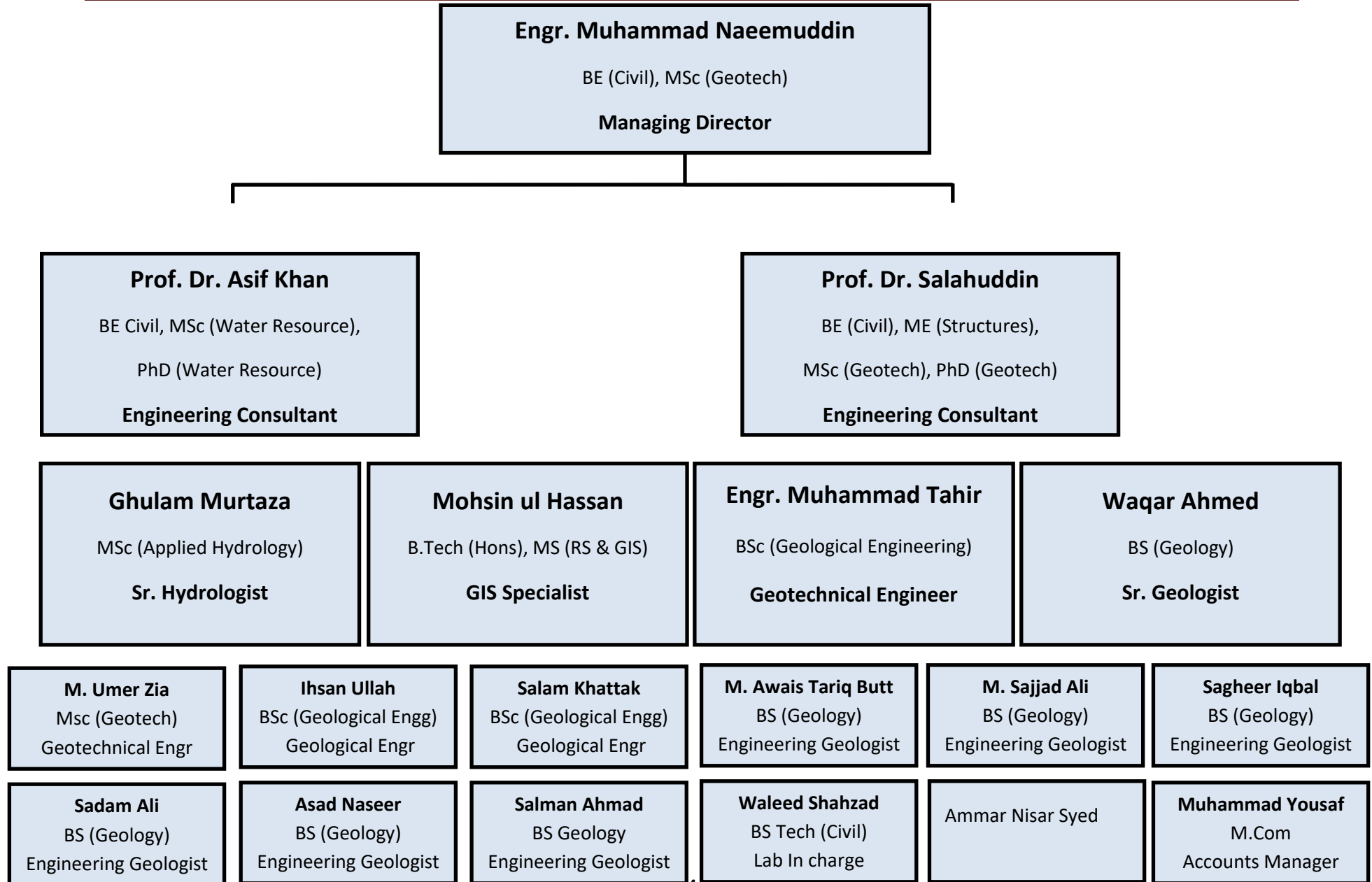
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COMPANY PROFILE

GeoCrust was established in 2014 as a leading company of Professionals having rich experience in providing expert services such as reconnaissance visit to sites for on-the site appraisal of site conditions, preparation of the most economical subsoil investigation programs, laboratory testing, evaluation of field data and laboratory test results including static and dynamic soil/design parameters. We also advise on slope stability, design of foundations (shallow or deep) and pavements, analysis and design of dams, Cost Estimates, documentation including Feasibility Reports, Geotechnical Investigation Reports, Technical and Financial Proposals. GeoCrust also undertakes the evaluation of existing and new buildings and soil properties are taken after boring through Rotary/ Percussion methods. Undisturbed and Disturbed samples are taken and transported to laboratory for testing. Comprehensive Technical Report based on interpretation of field / laboratory testing results meeting ASTM Standards is generated. State of the art software such as Quake W is being used by GeoCrust for dynamic analysis of structures under classified earthquake conditions. We assure precise, accurate and reliable tests in the field of Geotechnical Engineering, with minimal time frame. Quality, Precision and Accuracy is the hallmark of GeoCrust. GeoCrust is equally involved in the civil works construction activity including infra-Structure development. It possesses all the inputs viz: engineers, Staff, equipment and necessary T & P for execution of work of any magnitude. Organization Chart of the Company and CVs of the staff may be seen attached.

SERVICES

1. Geotechnical Investigations
2. Piling Work
3. Coring of Rocks
4. Concrete Coring
5. Grouting
6. Geological Mapping
7. Electrical Resistivity Survey
8. Geophysical Survey
9. Topographical Survey
10. In-situ Direct Shear Testing
11. Permeability Testing / Lugeon Value Test
12. Plate Load Test
13. Pile Load Test
14. Feasibility Study of Different Geotechnical Engineering Projects



CURRICULUM VITAE OF STAFF

Muhammad Naeemuddin

Geotechnical Engineer

Director Geocrust

EDUCATION

Msc Geotechnical Engineering, National University of Sciences and Technology (NUST), Islamabad (June 2007)

(Thesis Title: Landslide Hazard and Risk Mapping of Urban Murree)

B.E. (Civil), Balochistan University of Engineering and Technology, Khuzdar. (June 1996)

PERSONAL CONTACT

Phone : +92-3322449877

+92-51-2227 318

E-mail : geocrust.isb@gmail.com

naeemuddin72@gmail.com,

EXPERIENCE

1996-1998	Worked as Junior Engineer On Primary Education Project Assisted By The World Bank and supervised construction and repair work of many schools in Khuzdar, Awaran and Lasbela districts.
1998-2002	Worked as Lecturer in Civil Engineering Department of BUET, Khuzdar
2002-2010	Working as Assistant Professor with Civil Engineering Department of BUET, Khuzdar
2007-2008	Taught Slope Stability, Design & Construction of Earthen Dams and Geotechnical Site Investigations Courses to MSc Class at National Institute of Transportation as Visiting Faculty
May	Worked as Principal Geotechnical Engineer with Cameos Engineering

<p>2010 – to – June 2012</p>	<p>Consultants on Many Small and Medium Size dams Projects in Pakistan.</p> <p>My Duties were:</p> <p>Interpretation of geological data for different dam sites including 26 dam sites in AJK and Darawat Dam in Sindh</p> <p>Preparation of geological sections of various areas / structures that include</p> <ul style="list-style-type: none"> - Dam site area - Reservoir area - Fault zone area
<p>2007 till date</p>	<p>I also have been involved in geotechnical site and laboratory investigation, preparation of borehole logs, interpretation and analysis of Field and laboratory test results, design of shallow and deep foundations, their dynamic and seismic analysis and preparation of detailed Geotechnical investigation reports of more than 2000 small and large projects. Some projects are mentioned below;</p> <ul style="list-style-type: none"> • Geotechnical Site Investigations of “Marobi Dam Project, District Nowshera, Khyber Pakhtunkhwa”. • Geotechnical Site Investigations of “Utla Dam Project, District Swabi, Khyber Pakhtunkhwa”. • Geotechnical Site Investigations of “Wam Tangi Dam, District Harnai, Balochistan”. • Geotechnical Site Investigations of “Zandra Storage Dam, Ziarat, Balochistan”. • Geotechnical Site Investigations of “Ashkan Dam, District Mastung, Balochistan”. • Geotechnical Site Investigations of “Barkhan Dam, District Barkhan, Balochistan”. • Geotechnical Site Investigations of “Dinnar Dam, District Pishin, Balochistan”. • Geotechnical Site Investigations of “Khuchnai Dara Dam, District Quetta, Balochistan”.

	<ul style="list-style-type: none"> • Geotechnical Site Investigations of “Mara Tangi, District Loralai, Balochistan”. • Geotechnical Site Investigations of “Mushkaf Weir, District Kachhi, Balochistan”. • Geotechnical Site Investigations of “Panjpai Dam, District Mastung, Balochistan”. • Geotechnical Site Investigations of “Sohinda Dam, District Khuzdar, Balochistan”. • Geotechnical Site Investigations of “Sara Khula Dam, District Quetta, Balochistan”. • Geotechnical Site Investigations of “Saran Tangi Dam, District Quetta, Balochistan”. • Geotechnical Site Investigations of “Sunni Gar Dam, District Khuzdar, Balochistan”. • Geotechnical Site Investigations of “Garuk Storage Dam, District Kharan”. • Geotechnical Site Investigations of “Khisar Dam, District Nushki, Balochistan”. • Geotechnical Site Investigations for the Construction of “Phunkia Bridge at Bahrain”. • Geotechnical Site Investigations for the Construction of “Bonyo Bridge at Bahrain”. • Geotechnical Site Investigations for the Construction of “Bajaur Tower” at E-11, Islamabad. • Geotechnical Site Investigations for the Construction of “BA Shopping Mall & QA Shopping Mall, Airport Road, Quetta”. • Geotechnical Site Investigations for the Construction of “Midcity Apartments Islamabad”. • Geotechnical Site Investigations for the Construction of high-rise building at “Plot No. 2C, Avenue-01, Sector-F, Bahria Enclave, Islamabad”. • Geotechnical Site Investigations for the Construction of “Florence Heights” at Plot No. 2D, Avenue-01, Sector-F, Bahria Enclave, Islamabad. • Geotechnical Site Investigations for the Construction of “Fusion Mall” at Plot No. 2D, Avenue-01, Sector-F, Bahria Enclave,
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	<p>Islamabad.</p> <ul style="list-style-type: none"> • Geotechnical Site Investigations for the Construction of “Capital Mall” at Plot No. 6A, 4th Avenue, Sector H Commercial, Bahria Enclave Islamabad. • Geotechnical Site Investigations at New International Airport, Islamabad. • Geotechnical Site Investigations for “National Bank Buildings” at D.I Khan, Bannu, Peshawar, Dina, Nathiagali, Muzaffarabad. • Geotechnical Investigation and Feasibility study of “Proposed Alignment of Swat Expressway”. • Geotechnical Site Investigations at “Karakoram International University, Gilgit”. • Geotechnical Site Investigations at “Balochistan Agriculture University, Quetta, Balochistan”. • Geotechnical Site Investigations of “Qarshi University Lahore”. • Geotechnical Site Investigations for the Construction of different bridges at District Skardu. • Geotechnical Site Investigations of different structures at “Bholari Airbase, Bholari, District Hyderabad”. • Geotechnical Site Investigations for the Construction of “Bridge-2 Over Ravi River, Lahore Eastern Bypass, Lahore”.
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AUTHORED GEOTECHNICAL INVESTIGATION REPORTS OF FOLLOWING MAJOR PROJECTS

1. Submarine Rebuild Complex (SRC), Ormara, Balochistan
2. Sapphire Head Office Building, Lahore
3. Coal Fired Power Plant, FFC, Goth Machhi, Sadiqabad
4. Coal Fired Power Plant, AES, Lalpir, Muzaffargarh
5. Geotechnical Investigation Solar Power Plant at AES Lalpir
6. Coal Fired Power Plant, DG Khan Cement Company, DG Khan
7. Capital Square, B-17, Islamabad
8. Beaconhouse University, Islamabad
9. Beaconhouse School, Potohar Campus, Rawalpindi

10. Cadet College Chillas, Gilgit-Baltistan
11. Military College, Sui, Balochistan
12. Patrind Hydropower Project, Muzaffarabad
13. Canyon Views, Prados Villas, DHA-II Extention
14. Geotechnical Investigation of La-Paraiso, EMAAR-DHA
15. Geotechnical Investigation for V.R. Bridge at Arrar Mughlan Dam Project, Chakwal
16. Qaud-e-Azam Solar Park, Bahawalpur
17. 7 Classified sites of PAF
18. Classified Site of KRL, kahuta
19. Geotechnical Investigations for 15 MMSCFD EWT (Extended Well Test) Facility, Dadu
20. Geotechnical Investigation of Central Mess at Ghulam Ishaq Khan (GIK) Institute of Engineering Sciences and Technology, Topi, Swabi
21. Geotechnical Investigation of Kund Bana Bridge over Indus River, Besham
22. Geotechnical Investigation of Gas Processing Facility, Makori, karak
23. Geotechnical Investigation for 132 KV Substation, IESCO (ICB-20), Bahter Morr
24. Geotechnical Investigation for 8x Storey 'D' Type Flats for AFSC, Islamabad
25. Geotechnical Investigations for Jalal Residential Complex, Abbotabad
26. Geotechnical Investigations for 2.5MW Solar PV Solar Power Plant at Baghdad-UI-Jadid Campus, Islamia University, Bahawalpur
27. Geotechnical Investigation at Bastal Mor, Murree Express way, Murree
28. Geotechnical Investigations for Retaining Walls in AJK
29. More than 5000 mobile phone towers sites
30. More than 3000 residential and commercial plots in Rawalpindi and Islamabad

COURSES TAUGHT AS LECTURER

1. Engineering Mechanics
2. Strength of Materials-I

3. Theory of Structures
4. Engineering Construction
5. Soil Mechanics-I
6. Soil Mechanics-II
7. Conducted Laboratory Tests for Soil Mechanics-I & II
8. Supervised Many Final Year Projects

Courses Taken In MSc

1. Geotechnical Site Investigation
2. Mechanical Properties of Soils
3. Design and Construction of Earthen dams
4. Pavement Design
5. Slope Stability
6. Advanced Geotechnical Design
7. Site Improvement
8. Coastal Engineering
9. Soil Dynamics
10. Finite Element Method
11. Numerical Analysis
12. Probability and Statistics
13. Advanced Soil Mechanics
14. Advanced Structural Mechanics

COMPUTER SKILLS

- MS Words, MS Excel, MS PowerPoint, MS Access
- SLOPE W, SEEP W, SIGMA W, QUAKE W
- PROSHAKE
- WEDGE
- PLANAR
- DNPS
- CADAM
- HEC-HMS

Prof. Dr. Salah-Ud-Din

Geotechnical Engineering Consultant

PERSONAL DATA

Full Name	Salah-Ud-Din
Date of Birth	12 th of August 1977
Domicile	Loralai, Pakistan
Marital Status	Married
Location	Khuzdar, Pakistan



CONTACT INFO

Mobile	+92(333)7812238
Office	+92(848)550273
Email	Salahuddin@buetk.edu.pk

PROFESSIONAL EXPERIENCE

Sep 2014 to Present	Advisor and Consultant to P & D Department Balochistan UET, Khuzdar
Aug 2012 to Present	Head of Department of Civil engineering Balochistan UET, Khuzdar
Nov 2012 to Present	Associate Professor Department of Civil engineering Balochistan University of Engineering & Technology, Khuzdar
May 2012 to Nov 2012	Lecturer, Department of Civil engineering Balochistan University of Engineering & Technology, Khuzdar
Nov 2007 to May 2012	PhD Scholar

Nottingham Center of Geomechanics

University of Nottingham, UK

Feb 2007 to Nov 2007 Lecturer,

Department of Civil engineering

Balochistan University of Engineering & Technology, Khuzdar

Jan 2006 to Nov 2007 Head Of Department of Civil Engineering

Balochistan UET, Khuzdar

May 2005 to Feb 2007

Assistant Professor on Deputation,

Department of Civil engineering

Balochistan University of Engineering & Technology, Khuzdar

June 2004 to May 2005

Assistant District Officer,

Communication & Works Department

Government of Balochistan

EDUCATION

PhD

2012

Civil Engineering (Geotechnical Engineering)

Nottingham Centre for Geomechanics

University of Nottingham, UK

ME

2004

Civil Engineering (Structural Engineering)

NED university of Engineering & Technology, Karachi

BE

2001

Civil Engineering

Balochistan University of Engineering & Technology, Khuzdar

6. S. UDDIN, D. WANATOWSKI, M.R. HALL and A. MARRI, 2012, Stress-Dilatancy and Micromechanics of Fibre-Reinforced Sand, In: Proc. GEOSYNTHETICS ASIA 2012, 5th Asian Regional Conference on Geosynthetics, 13 to 16 December 2012, Bangkok, Thailand, pp 683-690.
7. S. UDDIN, A. MARRI, A. KUMAR and S. MEMON, 2013. Isotropic Compression Behaviour of Fibre Reinforced Cemented Sand, Mehran University Research Journal of Engineering & Technology. 32(3), 381-390
8. D. WANATOWSKI, S. UD-DIN, M.R. HALL, A. MARRI, Effect Of Discrete Fibres On The Stress-Dilatancy And Micromechanics Of Fibre-Reinforced Sand, Geosynthetics 2013, 1-4 April 2013, Long Beach, California, USA, pp 546-554
9. Salah UD-DIN, Amanullah MARRI, Dariusz WANATOWSKI, Effectiveness of fibre and cement in isotropic compression, In Proc. Of The18th Southeast Asian Geotechnical Conference in Singapore (29-31 May, 2013)
10. Amanullah MARRI, Salah UDDIN and Dariusz WANATOWSKI, 2013, Sample Preparation Technique for Fiber Reinforced Cemented Soils, In Proc. Fourth International Symposium on Infrastructure Engineering in Developing Countries, IEDC 2013. Available online at www.sciencedirect.com
11. Salah UDDIN and Amanullah MARRI, 2013, Strength And Deformation Characteristics Of Fibre Reinforced Cemented Sand, In 6th International Civil Engineering Congress organized by the Institution of Engineers, Pakistan

POSTER CONFERENCE:

1. Salah Ud-din, Wanatowski, D. and MR Hall, (2012), Behaviour of fibre reinforced cemented sand at High Pressures, Materials, Mechanics, and Structures Research Division, Nottingham Centre for Geomechanics, University of Nottingham, UK. Poster presentation.

WORKSHOPS & TRAINING ATTENDED

1. Attended three months Technical training at Material Testing & Field Control Laboratory, Quetta from July 9, 2004 to October 8, 2004 organized by Communication & Works department, Govt of Balochistan.
2. Attended "Staff Development Course under National Acaedemy of Higher Education" at Balochistan UET, Khuzdar held from June 15-July 12, 2005.

3. Participated in First National Seminar on “ Geotechnical Engineering- Challenges and Opportunities (GECO)” organized by Department of Civil Engineering, NED University of Engineering & Technology, Karachi held on September 15, 2012
4. Attended workshop on “ Master Trainer Workshop on Testing and Assessment” organized by Learning Innovation Division, Higher Education Commission at Balochistan UET, Khuzdar held from December 04-07, 2013.
5. Attended one day interactive workshop on “CPD Frame work for Professional Development of Engineers and Outcome Based Accreditation” at Balochistan UET, Khuzdar
6. Participated in training course on “ Project Preparation/ PC-I-IV/M & E Techniques/ Development of KPIs” organized by Pakistan Planning & Management Institute, Ministry of Planning, Development and Reform, Government of Pakistan at Islamabad.
7. Participated in “In-service workshop for senior faculty members of universities” organized by Faculty Development Academy, COMSATS institute of information technology, Islamabad.
8. Participated in a Two days workshop on Strategic Management jointly organized by the British Council and Higher Education Commission at HEC, Karachi.

Prof. Dr. Asif Khan

Engineering Consultant

PERSONAL DATA

Full Name	Dr. Asif Khan
Date of Birth	1st of October 1980
Domicile	Khyber Pakhtunkhwa,
Marital Status	Married
Location	Islamabad, Pakistan

CONTACT INFO

Mobile	+92(345)6889565
Office	+92(848)550273
Email	engrasif_civil@yahoo.com

PROFESSIONAL EXPERIENCE

Nov 2013 to Feb 2014	Principal Hydraulics Design Engineer Asian Development Bank
Mar 2013 to Nov 2013	Section Head Design Team Comeos Consultants Islamabad
Aug 2008 to June 2011	Principal Hydraulics Design Engineer Planning and Development Department, FATA
Aug 2008 to June 2011	Principal Hydraulics Design Engineer KPK Irrigation and Hydal Power Department Peshawar
Mar 2006 to July 2007	Design Engineer/ Site Engineer National Engineering Services of Pakistan Pvt. Ltd
Sep 2005 to Mar 2006	Design engineer / Assistant Resident Engineer

4. Khan, A., Richards, K. S., Parker, G., McRobie, A., Mukhopadhyay, B., 2014. How large is the Upper Indus Basin? The pitfalls of auto-delineation using DEMs. *Journal of Hydrology*, 509, 442 – 453. [dx.doi.org/10.1016/j.jhydrol.2013.11.02](https://doi.org/10.1016/j.jhydrol.2013.11.02).
5. Mukhopadhyay, B., Khan, A., 2014. Boltzmann–Shannon entropy and river flow stability within Upper Indus Basin in a changing climate. *International Journal of River Basin Management*, 1-9. doi: 10.1080/15715124.2014.965718.
6. Mukhopadhyay, B., Khan, A., 2016. Altitudinal variations of temperature, equilibrium line altitude, and accumulation-area ratio in Upper Indus Basin. *Hydrology Research* (accepted/in press).

Ghulam Murtaza

Sr. Hydrologist

PERSONAL DATA

Full Name	Ghulam Murtaza
Date of Birth	21st of January 1988
Domicile	Bahawalnagar, Pakistan
Marital Status	Married
Location	Bahawalnagar, Pakistan

CONTACT INFO

Mobile	+92-343-5000406
Office	(+92)51-2223718
Email	hydrologist17@gmail.com

PROFESSIONAL EXPERIENCE

Freelancer Consultants

1. Comprehensive modelling of Impacts of changing Climate(CMIP5, CMIP3 GCMs) on water resources, Agriculture and energy a comprehensive study **(Bhutan)**
2. Inundation and risk assignment of coastal flooding Sandwip Island **(Bangladesh)**
3. Flood studies (1D & 2D modelling and mapping) and floodplain risk management studies and plans **(Saudi Arabia)**
4. Water balance calculation for long term and peak flow analysis under changing climate regime (CMIP5) **(Thailand)**
5. Flood and floodplain risk management studies, groundwater and surface interaction modelling **(Pakistan)**
6. Water resources risk assessment under changing climate and rehabilitation of exiting irrigation network **(Indonesia)**
7. Groundwater availability assessment for irrigation and water supply (Indonesia)
8. Flood and hydrological risk modelling of Nadi River Basin **(Fiji)**

9. Surface Runoff and irrigation water availability Modelling of Ain Bessam Bouira (Algeria)

July 2018 to Present	Sr. Hydrologist and Hydraulic Modeler Engineer GeoCrust, Islamabad
Nov 2017 to June 2018	Hydrologist and Hydraulic Modeler Engineer AECOM, Jeddah, Saudi Arabia
July 2017 to Nov 2017	Drainage Engineer - Infrastructure Supervision WSP, Riyadh, Saudi Arabia
Aug 2015 to Present	Hydrologist and Hydraulic Modeler Engineer MOUCHEL Middle East, Riyadh, Saudi Arabia
May 2015 to July 2015	Hydrologist Modeler Zuhair Fayez Partnership Consultants, Riyadh, Saudi Arabia
2013 to 2015	Senior Hydrologist and GIS expert Cameos Consultants, Islamabad, Pakistan
2012 to 2013	Associate Environmental Programme Hagler Bailly Pakistan (Associated with Tetra Tech)
2011 to 2012	Hydrologist and GIS Specialist Cameos Consultants, Islamabad, Pakistan.

EDUCATION

M.Sc	2011 Applied Hydrology University of Punjab Lahore Pakistan
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Climate change modeling (CMIP5, CMIP3), SDSM, Panoply-04, CPT

Groundwater Modeling Software's:

Visual MODFLOW, GMS, Groundwater-Vista, Geo-Slop, Seep-W, MODFLOW, Petrel, FEFLOW

ArcGIS Remote Sensing Computer Models

QGIS, ArcGIS10.3, Erdas Imagine, Global Mapper, Micro Dem, Google Earth, HWSD

General Computer Models

Civil 3D , AutoCAD, Golden SURFER 10, Microsoft office suite, Quattro Pro X6, Adobe Photoshop, Coral draw

WORKSHOPS & TRAINING ATTENDED

1. International Workshops on Intelligent Water Grids (IWG) in Lahore University of Management Sciences (LUMS), Lahore, Pakistan. (March 2013)
2. Workshop on "Education for Hydrologic Extremes & Related Geo Hazards" organized by NICE & UNESCO in NUST, Islamabad, Pakistan. (JAN 2011)
3. Workshop on Geotech& Engineering Geology Problematic Soil, Slope Stability & In Situ Tests in Institute of Geology, Punjab University Lahore, Pakistan. (APRIL 2009)
4. Workshop on Mathematical Modeling in Lahore University of Management Sciences (LUMS), Lahore, Pakistan. (JULY 2009).
5. Workshop on Rainfall-Run off Event Modelling with Computer Applications
6. Future Drainage & Stormwater Networks Conference, Riyadh, KSA (April 2017)

Mohsin Ul Hassan

GIS Specialist

PERSONAL DATA

Full Name	Mohsin Ul Hassan
Date of Birth	15 th of August 1985
Domicile	Faisalabad, Pakistan
Marital Status	Married
Location	Islamabad, Pakistan

CONTACT INFO

Mobile	+92-331-2227227
Office	(+92)51-2223718
Email	mohsinhassan227@yahoo.com

PROFESSIONAL EXPERIENCE

Feb 2018 to present Auto CAD / GIS Expert

GEOCRUST

Feb 2015 to 2018 Auto CAD / GIS Expert

Cameos Consultants

Aug 2014 to Jan 2015 Auto CAD / GIS Expert

Roughton International (UK)

Dec 2009 to Aug 2014 Auto CAD Civil 3D Specialist

Cameos Consultants

Jan 2009 to Nov 2009 Auto CAD / GIS Specialist

G3 Engineering consultants, Lahore

Feb 2006 to Dec 2008 Auto CAD / GIS Operator

Barqaab Consulting Services (Pvt) Ltd.

Aug 2005 to Jan 2006 Auto CAD / GIS Technician

**Techno Consult International- A joint venture of HPE
(Germany) and Techno Consult International (Pakistan)**

Jan 2005 to Jul 2005 AutoCAD Operator

Electra Consultants.

EDUCATION

MS RS & GIS

Arid Agriculture University

B.Tech (Hons) 2009

Civil Engineering

International Islamic University

LANGUAGES

- English Good
- Urdu Excellent
- Punjabi Excellent

AREAS OF INTEREST

- Preparation of contour mapping and site maps of the proposed project sites
- Development of GIS framework for the project
- Geo-referencing and digitization in ArcGIS
- Topology validation and error removal
- Geological mapping, Preparation of Seismic plans/sections, Bore logs of main dam axis. Geological section of main dam axis and saddle dam axis.

Software Skills

- Auto Cad Civil 2008 to 2015, Auto Cad R14 to 2015, Eagle Point 2005 to 2010, Quick Surf.

- Arc GIS, Global Mapper, ER Mapper Mapping Software's.
- Microsoft office, Microsoft power point, MS Project.

WORKSHOPS & TRAINING ATTENDED

- 06 Months **AutoCAD Drafting Training** at Government Technical Training Institute (GTTC) Faisalabad, Pakistan 2003
- **Training on Geographical Information System,** Sponsored by Water and Power Development Authority, 2008.
- 07 Days Training on **Drafting Standards for AutoCAD** at Lahore organized by GTT.

Muhammad Tahir

Geotechnical Engineer

EXPERIENCE

Geotechnical Engineer at Geocrust (Current)

- Involved in geotechnical site investigation, laboratory testing, preparation of borehole logs, interpretation and analysis of field and laboratory test results and preparation of complete geotechnical site investigation report.

Geotechnical Engineer at AJK Engineers (Pvt.) Ltd. (July2013 – September2015)

- Leading and supervising the field work and logging of samples in the field.
- Compiling the field data, supervising the laboratory test results.
- Interpretation and analysis of field and laboratory test results and preparation of complete geotechnical site investigation report.
- 03 weeks Internship with National Highway Authority, Faisalabad at M-4 Project under Geotechnical Investigation and Pavement & Foundation Department.

ACADEMIC QUALIFICATIONS

- *B.E Geological Engineering, 2013*
University of Engineering & Technology Lahore.

PERSONAL INFORMATION

Address: Near Ayesha Mosque, Tehsil Taunsa, District D.G Khan, Punjab, Pakistan.

Email: engrtahirali09@gmail.com

Contact: 0092 333 6050632

Waqar Ahmed

Sr. Geologist

EXPERIENCE

Engineering Geologist at Geocrust (Current)

- GEOTECHNICAL INVESTIGATION OF 20 SM DAMS, BALOCHISTAN
- LAHORE EASTERN BYPASS
- RELOCATION OF ROAD AT SUKKI KINARI HYDROPOWER PROJECT
- LANDSLIDE RISK ANALYSIS FOR ROAD (KEL TO ASTORE)
- SHOUNETR TUNNEL PROJECT (KEL TO ASTORE)
- PESHAWAR KARACHI MOTORWAY (PKM)
- MOTORWAY M4 PROJECT (GOJRA TO KHANEWAL)
- REMEDIAL MEASURES FOR DEWAL LANDSLIDE (MURREE)
- CABLE CAR PROJECT (MURREE)
- COAL FIRED POWER PLANT PROJECT (DG KHAN)
- KATAS LIMESTONE PROJECT
- GAHRAIT SWIR LASHT HYDROPOWER PROJECT (KPK)
- GULPUR HYDROPOWER PROJECT (AJK)
- ASHKOT HYDROPOWER PROJECT (AJK)
- JALALABAD BRIDGE MUZAFFARABAD (AJK)
- LANGARPURA BRIDGE MUZAFFARABAD (AJK)
- JALALABAD BRIDGE MUZAFFARABAD (AJK)
- WATER TREATMENT PLANT, MAKRI (AJK)
- METRO BUS TRANSIT SYSTEM LAHORE

- IRAN PAKISTAN GAS PIPELINE PROJECT

ACADEMIC QUALIFICATIONS

- *BS in Geology, 2010*
University of the Punjab, Lahore

PERSONAL INFORMATION

Address: House No. 568/S, Chowk Umer Farooq, Old Sadiq Abad, Distt. Rahim Yar Khan, Pakistan

Email: Waqarahmed.geologist@gmail.com

Contact: 0092 333 7415604

0092 344 8740400

Muhammad Umer Zia

Geotechnical Engineer

EXPERIENCE

Geotechnical Engineer at GeoCrust (Current)

- Involved in geotechnical site investigation, laboratory testing and preparation of borehole logs, interpretation and analysis of field and laboratory test results.

Geotechnical Engineer at Cameos Consultant (Internee Engineer)

- Involved with senior engineers in different working regarding structure & geotechnical engineering.

ACADEMIC QUALIFICATIONS

- **BSc (Civil Engg)**, Balochistan University of Information Technology Engineering & Management Sciences Quetta)
- **MSc (Geotech Engg)**, National University of Science & Technology, Islamabad

PERSONAL INFORMATION

Address: House # 350, Block-D, Street 17, PAK PWD Housing Society, Lohibher, Islamabad

Email: umerzia538@yahoo.com

Contact: 0092 336 5386757

Ihsan Ullah

Geological Engineer

EXPERIENCE

Engineering Geologist at Geocrust. (Current)

- Soil Investigation on field, Sample Collection, Borehole log Preparation, etc.
- 04 weeks Internship with Oil and Gas Company Limited (OGDCL), at Oil and Gas Training Institute (OGTI), (Geological & Reservoir Lab).
- Learned different ways to interpret well logs and evaluate Hydrocarbon Potential manually.
- Learned about sample preparation and source rock evaluation.
- **Work and Study** (6 months as Office Assistant in Balochistan University of Information Technology Engineering & Management Sciences Quetta)

ACADEMIC QUALIFICATIONS

- **BSc (Geological Engg)**, Balochistan University of Information Technology Engineering & Management Sciences Quetta)

PERSONAL INFORMATION

Address: Village & P/O Chokara, Tehsil Takht-e-Nasrati District Karak

Email: engr.ihsan8981@gmail.com

Contact: 0092 345 9854133

Muhammad Salam Khattak

Geological Engineer

EXPERIENCE

Engineering Geologist at Geocrust (Current)

- Involved in geotechnical site investigation, laboratory testing and preparation of borehole logs, interpretation and analysis of field and laboratory test results.

Engineering Geologist at AJK Engineers (Pvt.) Ltd. (September2015 – August2016)

- Leading and supervising the field work and logging of samples in the field.
- Compiling the field data, supervising the laboratory test results.
- 04 weeks Internship with Oil and Gas Company Limited (OGDCL), at Oil and Gas Training Institute (OGTI), (Geological & Reservoir Lab).
- Learned different ways to interpret well logs and evaluate Hydrocarbon Potential manually.
- Learned about sample preparation and source rock evaluation.

ACADEMIC QUALIFICATIONS

- **BSc (Geological Engg),** Balochistan University of Information Technology Engineering & Management Sciences Quetta)

PERSONAL INFORMATION

Address: Mohallah Madakhel, Village & P/O Chokara, Tehsil Takht-e-Nasrati District Karak

Email: msalamgeo2@gmail.com

Contact: 0092 333 9858832

Muhammad Awais Tariq Butt

Engineering Geologist

EXPERIENCE

Field Geologist at Geocrust (January 2015 to Current)

- Supervision of Drilling in Rocks and soils.
- Field Borehole log preparations.
- Field Testing SPT, FDT, Water pressure test and Constant Head and Falling Head permeability Test.
- Preparation of Samples to perform different laboratory test.
- Preparation of geotechnical reports for telecommunication Towers, residential and Commercial Buildings in Pakistan.
- Preparation of geotechnical reports for mega projects, e.g. Sawat Expressway, Lahore Eastern Bypass, Marobi Dam KPK, Ulla Dam Swabi KPK etc.

ACADEMIC QUALIFICATIONS

- **BS (Hons) Applied Geology**, University of Azad Jammu & Kashmir Muzaffarabad (2009-13)

PERSONAL INFORMATION

Address: House # 422-E, Street # 88-A, G-11/3, Islamabad

Email: m_awaistariqbutt@hotmail.com

Contact: 0092 301 5558171

Muhammad Sajjad Ali

Engineering Geologist

EXPERIENCE

Engineering Geologist at Geocrust (January 2018 to Current)

- Supervision of Drilling in Rocks and soils.
- Field Borehole log preparations.
- Field Testing SPT, FDT, Water pressure test and Constant Head and Falling Head permeability Test.
- Preparation of Samples to perform different laboratory test.
- Preparation of geotechnical reports for telecommunication Towers, residential and Commercial Buildings in Pakistan.

ACADEMIC QUALIFICATIONS

- **BS (Hons) Applied Geology**, University of Sargodha, Sargodha (2013-17)

PERSONAL INFORMATION

Address: Yousaf Shaheed Street, Mohallah Tarkhana Wala Approach Road, Farooqabad, District Sheikhpura.

Email: sajjadgeologist@gmail.com

Contact: 0092 307 4336737

Saddam Ali

Engineering Geologist

EXPERIENCE

Field Geologist at Geocrust (August 2016 to Current)

- Confer with engineers, customers, and others to discuss existing or Geo-Technical engineering projects.
- Test industrial diamonds and abrasives, soil, or rocks in order to determine their geological characteristics.
- Analyze and interpret geological, and geotechnical information from sources such as survey data, well logs, boreholes, and aerial photos.
- Plan and conduct geological, and geotechnical field studies and surveys, sample collection; and drilling and testing programs used to collect data for research and application.
- Investigate the composition, structure, and history of the Earth's crust through the collection, examination, measurement, and classification of soils, minerals, rocks, and fossil remains.
- Supervising site and ground investigations.
- Making visits to new project sites.
- Managing staff, including other engineering geologists, geotechnical engineers, consultants and contractors.

ACADEMIC QUALIFICATIONS

- **BS (Hons) Applied Geology**, University of Azad Jammu & Kashmir Muzaffarabad (2010-2014)

PERSONAL INFORMATION

Address: Hajira City, District Ponch, Azad Kashmir

Email: saddamali790@gmail.com

Contact: 0092 307 8994090

Asad Naseer

Engineering Geologist

EXPERIENCE

Field Geologist at Geocrust (September 2016 to Current)

- Geotechnical Investigation of Soil
- Landslide Investigation
- Supervision of Drilling
- Insitu Testing (SPT/CPT, FDT)
- Perform various on field tests like Packer, constant head and falling head permeability tests
- Collection, Preservation & Transportation of Samples for Laboratory Testing
- Site Feasibility
- Scan line Survey
- Core sampling
- Core Logging
- Daily Progress Report

ACADEMIC QUALIFICATIONS

- **BS (Hons) Applied Geology**, University of Peshawar (2010-2014)

PERSONAL INFORMATION

Address: Flat #C8, Awais Apartments, Main Iqbal Town Road, Rawalpindi, Pakistan

Email: asad835@gmail.com

Contact: 0092 316 9232427

Salman Ahmed

Engineering Geologist

EXPERIENCE

Field Geologist at Geocrust (March 2016 to Current)

- Geotechnical Investigation at Utla Dam swabi kpk.
- Geotechnical Investigation of small bridge under the Supervision of modern Consultants engineering services in skardu Gilgit baltistan.
- Geotechnical Investigation at Defense Housing Authority,
- Geotechnical Investigation at Bahria Town, Bahria Enclave, Top city, Gulberg green for commercial and residential plots.
- Geotechnical Investigation at Swat motorway under the Supervision of Fwo (Frontier work origination).

ACADEMIC QUALIFICATIONS

- **BS (Hons) Applied Geology**, COMSATS University Islamabad - Abbottabad Campus (2011-2015)

PERSONAL INFORMATION

Address: Mohallah miskeen kheel, Piroiai, Nowshera, KPK

Email: Salmanpirpai@gmail.com

Contact: 0092 334 0570805

Muhammad Yousaf

Accounts Manager

Experience

Finance and Accounts Manager Geocrust, Islamabad (Current)

- Maintain accounts invoice voucher petty cash handling
- Manage all accounts
- Business Analysis
- Development of Business
- Financial Analysis
- Company Finance report to Director Profit and Loss Analysis
- Budgets Review

ACADEMIC QUALIFICATIONS

- **B.Com**, Allama Iqbal Open University, Islamabad (2017-18)
- **M.Com**, Allama Iqbal Open University, Islamabad (2019-Continue)

PERSONAL INFORMATION

Address: Kot Sultan, District Layyah

Email: yousafsaany@gmail.com

Contact: 0092 307 8908742

LIST OF PROJECTS COMPLETED IN 2014

S. No.	Description	Location	Client
1	Geotechnical Investigations of Phunkia Pedestrian Bridge at Bahrain	District Swat, Khyber Pakhtoonkhwa	UNOPS/Cameos
2	Geotechnical Investigations of Bajaur Tower	Ganjmandi Road, Rawalpindi	Bajaur Tower
3	Geotechnical Investigations of more than 20 residential / commercial Plots in Bahria Enclave, Islamabad	Bahria Enclave, Islamabad	Engineering & Design Consultants
4	Geotechnical Investigations of more than 10 residential / commercial Plots in Bahria Town, Islamabad	Bahria Enclave, Islamabad	Engineering & Design Consultants

LIST OF PROJECTS COMPLETED IN 2015

S. No.	Description	Location	Client
1	Geotechnical Investigations of Bonyo Pedestrian Bridge at Bahrain	District Swat, Khyber Pakhtoonkhwa	UNOPS/Cameos
2	Geotechnical Investigations of Midcity Apartments	Islamabd Expressway , Rawalpindi	Architect Kashif + Partners
3	Geotechnical Investigations of Plot No. 32, Street No 13, Sector F-7/2, Islamabad	Islamabad	Efkay Associates
4	Geotechnical Investigations of Plot No. 622, Sector D-12/2, Islamabad	Islamabad	Gp Cap Nasir Masud
5	Slope Remediation at House No 2, Street 2-A, Sector D, DHA-I, Islamabad	DHA Phase I, Islamabad	Mr Adil Khattak
6	Geotechnical Investigations of Classified Site in Rawalpindi	Rawalpindi	Strategic Planning Division
7	Geotechnical Investigations of Girls High School, Zhob	Zhob, Balochistan	Workers Welfare Board
8	Geotechnical Investigations of Boys High School, Duki	Duki, Balochistan	Workers Welfare Board
9	Geotechnical Investigations of 25-Bed Hospital, Duki	Duki, Balochistan	Workers Welfare Board
10	Geotechnical Investigations of Boys High School, Sibi	Sibi, Balochistan	Workers Welfare Board
11	Geotechnical Investigations of Girls High School, Gwadar	Gwadar, Balochistan	Workers Welfare Board
12	Geotechnical Investigations of Boys High School, Gwadar	Gwadar, Balochistan	Workers Welfare Board
13	Geotechnical Investigations of Girls High School, Sor Range	Sor Range, Quetta, Balochistan	Workers Welfare Board
14	Geotechnical Investigations of Girls Polytechnic Institute, Zhob	Zhob, Balochistan	Workers Welfare Board
15	Geotechnical Investigations of Multistory Building at G-8 Markaz, Islamabad	Islamabad	Pak Land Builders
16	Geotechnical Investigations for Laterally Loaded Piles at Golf City, Islamabad	Golf City, Islamabad	Bahria Town (Pvt) Ltd
17	Geotechnical Investigations for 12-Storeyed Ahad Heights, E-11, Islamabad	Islamabad	Mr Naik Shad Khattak

S. No.	Description	Location	Client
18	Geotechnical Investigation of Hostel Building Mehraban Town, Park Road, Islamabad	Park Road, Islamabad	Architect Kashif + Partners
19	Geotechnical Investigation of Commercial Building, NPF O-9, Islamabad	National Police Foundation NPF, O-9, Islamabad	Architect Kashif + Partners
20	Geotechnical Investigation of Khiva Wedding & Events Lawns, Khayaban-e-Iqbal, E-11, Islamabad	E-11, Islamabad	Architect Kashif + Partners
21	Geotechnical Investigation of BA Shopping Mall, Airport Road, Quetta	Quetta	Zavia Architect / FWO
22	Geotechnical Investigation of QA Shopping Mall, Airport Road, Quetta	Quetta	Zavia Architect / FWO
23	Topographical Survey of 7-Acres of Land for BA Shopping Mall, Airport Road, Quetta	Quetta	Zavia Architect / FWO
24	Topographical Survey of 4-Acres of Land for QA Shopping Mall, Airport Road, Quetta	Quetta	Zavia Architect / FWO
25	Topographical Survey of 57-Acres of Land Askari Park & Ziarat Park, Airport Road, Quetta	Quetta	Zavia Architect / FWO
26	Geotechnical Investigation of NBP Branch at Nathia Gali, Abbottabad	Nathia Gali	National Bank of Pakistan
27	Geotechnical Investigation of Cinema Complex, Service Road East, E-11, Islamabad	E-11, Islamabad	Mr Atif Rasheed / Nizami Associates
28	Geotechnical Investigations of M-3 Embankment at Sector E, Bahria Golf City, Islamabad	Bahria Golf City, Islamabad	Bahria Town (Pvt) Ltd
29	Geotechnical Investigations of Weir at Garden City, Bahria Town, Islamabad	Bahria Town, Islamabad	Engineering & Design Consultants
30	Geotechnical Investigations of more than 70 residential and commercial plots in Bahria Town, Islamabad	Bahria Town, Islamabad	Engineering & Design Consultants
31	Geotechnical Investigations of more than 150 residential and commercial plots in Bahria Enclave, Islamabad	Bahria Enclave, Islamabad	Engineering & Design Consultants
32	Geotechnical Investigations More than 50 different residential and commercial plots in Bahria Enclave, Islamabad	Bahria Town, Islamabad	Modern Consulting Engineers

S. No.	Description	Location	Client
33	Geotechnical Investigations of More than 20 Mobile Phone Tower sites in Sindh and Balochistan	Sindh and Balochistan	Asif & Co, Karachi
34	Geotechnical Investigation of Residence of Mrs. & AVM [®] Riaz, Plot # 51, Margalla Retreat (Northern Strip), E-11, Islamabad	E-11, Islamabad	Suhail & Fawad Architects, Islamabad
35	Geotechnical Investigation of Plot No 01, Sir Sayyed Boulevard, Sector J, DHA Phase-II, Islamabad	DHA Phase-II, Islamabad	Fawad Zafar Cheema
36	Geotechnical Investigation of Plot No 22, Sir Sayyed Boulevard, Sector J, DHA Phase-II, Islamabad	DHA Phase-II, Islamabad	Fawad Zafar Cheema
37	Geotechnical Investigation of Plot No 55, Street 14, Sector E, DHA Phase-II, Islamabad	DHA Phase-II, Islamabad	Fawad Zafar Cheema
38	Geotechnical Investigation of Residential Plot, Lake View Residential Area, Bani Gala, Islamabad	Bani Gala Islamabad	Cameos Consultants, Islamabad
39	Geotechnical Investigation of Plot # 02, Raja Ashraf Road, Bani Gala, Islamabad	Bani Gala Islamabad	Cameos Consultants, Islamabad
40	Geotechnical Investigation of Plot # 146, Street 09, Jammu & Kashmir Cooperative Housing Society, F-15/1, Islamabad	F-15/1 Islamabad	Cameos Consultants, Islamabad
41	Geotechnical Investigation of Plot # 386, Street 75, E-11/3, Islamabad	E-11/3 Islamabad	Cameos Consultants, Islamabad
42	Geotechnical Investigation of Plot # 435, Street 11, D-12/1, Islamabad	D-12/1 Islamabad	Cameos Consultants, Islamabad
43	Geotechnical Investigation of Plot # 533, Street 11, D-12/1, Islamabad	D-12/1 Islamabad	Cameos Consultants, Islamabad
44	Geotechnical Investigation of Community Center, East Avenue, Block-D, Fazaia Housing Scheme, Tarnol, Rawalpindi	Fazaia Housing Scheme, Tarnol, Rawalpindi	Fazaia Housing Scheme, Rawalpindi
45	Geotechnical Investigation of Jamia Masjid, Street 10, Block-A, PAF Tarnol, Rawalpindi	PAF Tarnol, Rawalpindi	Fazaia Housing Scheme, Rawalpindi
46	Geotechnical Investigation of Jamia Masjid, Street 17, Block-C, PAF Tarnol, Rawalpindi	PAF Tarnol, Rawalpindi	Fazaia Housing Scheme, Rawalpindi

S. No.	Description	Location	Client
47	Geotechnical Investigation of Jamia Masjid, East Avenue, Block-D, Fazaia Housing Scheme, Tarnol, Rawalpindi	Fazaia Housing Scheme, Tarnol, Rawalpindi	Fazaia Housing Scheme, Rawalpindi
48	Geotechnical Investigation of Commercial Building at Askari-X, Rawalpindi	Askari-X, Rawalpindi	Housing Directorate, GHQ, Rawalpindi
49	Geotechnical Investigation of Commercial Building at Askari-IV, Rawalpindi	Askari-IV, Rawalpindi	Housing Directorate, GHQ, Rawalpindi
50	Geotechnical Investigation of Proposed School Building, Lane-04, Askari-X, Rawalpindi	Askari-X, Rawalpindi	Housing Directorate, GHQ, Rawalpindi
51	Geotechnical Investigation at New Benazir Bhutto International Airport, Islamabad	New Benazir Bhutto International Airport, Islamabad	FWO
52	Geotechnical Investigation of Plot 24, Street J-18, Sector-J, CITI Housing Scheme, Jhelum	CITI Housing Scheme, Jhelum	CITI Housing Scheme, Jhelum
53	Geotechnical investigation of Proposed Development of Housing Scheme Sheikhpur Village, Near I-14, Rawalpindi	Near I-14, Rawalpindi	Pak Gulf Construction Company
54	Geotechnical investigation of Multistory Building, Lehtarar Road, Near Khanna Pul, Islamabad	Near Khanna Pul, Islamabad	Mascot Consultants, Peshawar
55	Geotechnical Investigation of Proposed School Campus, Opposite DHA, Phase-II, GT Road Rawalpindi	GT Road Rawalpindi	Roots International School
56	Geotechnical Investigation of University of Education, Okara Campus, Okara	Okara	Technical Services International (TSI), Lahore
57	Geotechnical Investigation of Jamia Masjid Ahl-e-Hadees, Rohilanwali, Muzaffar Garh	Rohilanwali, Muzaffar Garh	King Abdullah Relief Campaign for Pakistani People (KARCPP)
58	Geotechnical Investigation of Farm # 72, Navel Farm House, Islamabad	Islamabad	Sohail & Fawad Architect
59	Geotechnical Investigation For Grand City Housing Scheme at Sarai Alamgir Near Kharian.	Sarai Alamgir, Near Kharian	Urban Solutions (Pvt) Ltd.
60	Geotechnical Investigation For Construction of Academic Block at Fazaia Education System School	Sector E-9, Islamabad	IQ Tech Pakistan (Pvt) Ltd.

S. No.	Description	Location	Client
61	Geotechnical Site Investigation for K2 Energy Solar Power Project, Near Kalar Kahar, District Chakwal	Near Kalar Kahar, District Chakwal	TransTec Pakistan
62	Geotechnical Investigation for Reconstruction of Damaged Wall of Qila Balahisar, Peshawar	Peshawar	Frontier Corps, Peshawar
63	Geotechnical Investigation For Shaheen Enclave Housing Scheme, GT Road, Sargodha	Sargodha	Urban Solutions (Pvt) Ltd.
64	Electrical Resistivity Survey For Shaheen Enclave Housing Scheme, GT Road, Sargodha	Sargodha	Urban Solutions (Pvt) Ltd.
65	Geotechnical Investigation of Plot # 1396A, Street 62, B-Block, B-17, Islamabad	Islamabad	Kamran Consulting Engineers (KCE)
66	Geotechnical Investigation of Plot # 1029C, Street 53, C-Block, B-17, Islamabad	Islamabad	Kamran Consulting Engineers (KCE)
67	Geotechnical Investigation of Plot # 5A, Street 21, F-8/2, Islamabad	Islamabad	Sohail & Fawad Architect
68	Geotechnical Investigation of Residential Plot at Lake View Lane, Bani Gala, Islamabad	Islamabad	Sohail & Fawad Architect
69	Geotechnical Investigation For Gahkuch Water Supply Project, District Ghizer, Gilgit-Baltistan.	Gilgit-Baltistan	Modern Consulting Engineers
70	Geotechnical Investigation For 50MW Tricom Solar Power Project, 250-Acres at Jhimpir, Sindh	Jhimpir, Sindh	Tricom Solar Power (Pvt.) Ltd.
71	Geotechnical Investigation For 50MW Tricom Wind Power Project, 347-Acres at Jhimpir, Sindh	Jhimpir, Sindh	Tricom Wind Power (Pvt.) Ltd.
72	Geotechnical Investigation For 50MW Trident Energy Wind Power Project, 2000-Acres at Gharo, Sindh	Gharo, Sindh	TransTec Pakistan
73	Geotechnical Investigation of Plot # 16, Civic Centre, Bahria Town, Islamabad	Islamabad	Al-Hamd Builders
74	Geotechnical Investigation of Corner Shop, Sector G, ECHS, D-18, Islamabad	Islamabad	DAR Architects & Design Consultants
75	Geotechnical Investigation of Corner Shop, Sector M-I, ECHS, D-18, Islamabad	Islamabad	DAR Architects & Design Consultants

S. No.	Description	Location	Client
76	Geotechnical Investigation of Corner Shop, Sector M-II, ECHS, D-18, Islamabad	Islamabad	DAR Architects & Design Consultants
77	Geotechnical Investigation of Plot # 05, Street # 06, Sector-B, Phase-II, DHA, Islamabad	Islamabad	Col. Faisal Imran Malik
78	Geotechnical Investigation of Khasra # 65 to 68, Mouza Dhagal, Shahpur Chowk, Main Adyala Road, Rawalpindi	Rawalpindi	Modern Consulting Engineers
79	Geotechnical Investigation of Plot # 44,45,58,59, Pakistan Town, Markaz, Phase II, Islamabad	Islamabad	Mr Syed Nousher Haider Imdad
80	Geotechnical Investigation of Plot # 02, Near Leads Academy, Belgium Town, Bhara Kahu, Islamabad	Islamabad	Mr Asghar Ali
81	Geotechnical Investigation of 26 Water Retention Structures, District Karak, KPK	District Karak, KPK.	Cameos Consultants
82	Piling Work at Rehabilitation of Sulemanki Barrage Project	Sulemanki Barrage, Kasur	Irrigation Department, Punjab
83	Piling Work at Dasu Hydropower Project (Transmission Line)	District Besham, KPK	WAPDA
84	Piling Work at RLNG Coal Fired Power Plant Jhang	District Jhang	Government of Punjab

LIST OF PROJECTS COMPLETED IN 2016

S. No.	Description	Location	Client
1	Geotechnical Site Investigations of Marobi Dam, District Nowshera, KPK.	District Nowshera	Cameos Consultants / Small Dams Irrigation Department, KPK
2	Geotechnical Site Investigations of Ulla Dam, District Swabi, KPK.	District Swabi	Cameos Consultants / Small Dams Irrigation Department, KPK
3	Geotechnical Investigation of Cadet College Chaman, District Kila Abdullah, Balochistan.	Chaman, District Kila Abdullah, Balochistan.	Qadri Associates
4	Geotechnical Investigation of Cadet College Kharan, Balochistan.	Kharan, Balochistan.	Engineering Associates (Pvt) Ltd.
5	Geotechnical Investigation and Feasibility study of Proposed Alignment of Swat Expressway.	Proposed Alignment of Swat Expressway	OIC Research & Consultancy, MCE Risalpur
6	Geotechnical Investigation of Professional Arcade, E-11/3 Markaz, Islamabad.	E-11/3 Markaz, Islamabad.	Tanveer Associates
7	Geotechnical Investigation of Multistory Building, G-8 Marksz, Islamabad.	G-8 Marksz, Islamabad	Pak Land Builders, Islamabad
8	Geotechnical Investigation of NBP Branch at Peshawar, KPK.	Peshawar, KPK	National Bank of Pakistan
9	Geotechnical Investigation of NBP Branch at Bannu, KPK.	Bannu, KPK	National Bank of Pakistan
10	Geotechnical Investigation of NBP Branch at D.I Khan, KPK.	D.I Khan, KPK	National Bank of Pakistan
11	Geotechnical Investigation of more than 15 Plots, Elite Villas, Multi Garden, Block C-1, B-17, Islamabad	Islamabad	Muhammad Arshad Dasti
12	Geotechnical Investigation of Multistory Building, G-11/1, Islamabad	Islamabad	Haji Sami Ullah
13	Geotechnical Investigations of more than 100 residential and commercial plots in Bahria Town, Islamabad	Bahria Town, Islamabad	Engineering & Design Consultants
14	Geotechnical Investigations of more than 100 residential and commercial plots in Bahria Enclave, Islamabad	Bahria Enclave, Islamabad	Engineering & Design Consultants

S. No.	Description	Location	Client
15	Geotechnical Investigations of More than 120 different residential and commercial plots in Bahria Town, Islamabad	Bahria Town, Islamabad	Modern Consulting Engineers
16	Geotechnical Investigation of CBR-II Extension, I-14, Islamabad Housing Society, Islamabad	I-14, Islamabad	Modern Consulting Engineers
16	Geotechnical Investigation of Commoners Sky Garden Housing Society, Angori Road, Islamabad.	Angori Road, Islamabad	Modern Consulting Engineers
17	Geotechnical Investigations for Z-Villas at Golf City, Islamabad	Golf City, Islamabad	Bahria Town (Pvt) Ltd
18	Geotechnical Investigations of Ring Road, Lahore	Ring Road, Lahore	OIC Research & Consultancy, MCE Risalpur
19	Geotechnical Investigations of More than 50 different commercial plots in Bahria Town, Islamabad	Bahria Town, Islamabad	Bahria Town (Pvt) Ltd
20	Geotechnical Investigations of Overhead & Underground Water Tanks at different locations in Bahria Town, Islamabad	Bahria Town, Islamabad	Bahria Town (Pvt) Ltd
21	Detail Geotechnical Investigations along Proposed Alignment of Swat Expressway project	Swat Expressway	OIC Research & Consultancy, MCE Risalpur
22	Geotechnical Investigations at Chaman Border, Balochistan	Chaman Border, Balochistan	OIC Research & Consultancy, MCE Risalpur
23	Geotechnical Investigations at Torkham Border, Khyber Agency, KPK	Torkham Border, Khyber Agency, KPK	OIC Research & Consultancy, MCE Risalpur
24	Geotechnical Investigations of Kashti Bridge, Nowshera, KPK	Kashti Bridge, Nowshera, KPK	OIC Research & Consultancy, MCE Risalpur
25	Geotechnical Investigations at Karakoram International University, Gilgit	Karakoram International University, Gilgit	EA Consulting Engineers (Pvt.) Ltd.
26	Geotechnical Investigations at Balochistan Agriculture University, Quetta, Balochistan	Balochistan Agriculture University, Quetta	EA Consulting Engineers (Pvt.) Ltd.
27	Geotechnical Investigations of Emporium Square, Plot No. 11, I-8 Markaz, Islamabad	I-8 Markaz, Islamabad	SAIFCO Developers (Pvt.) Ltd.

S. No.	Description	Location	Client
28	Geotechnical Investigations at QIHS, Ali Akbar Road, Near Descon Training Institute, Lahore	Lahore	Naimat Saleem Trust
29	Geotechnical Investigations of more than 200 sites for the installation of telecommunication towers in Pakistan	Pakistan	Engineering & Design Bureau (EDB)
30	Geotechnical Investigations of more than 50 sites for the installation of telecommunication towers in Pakistan	Pakistan	IKAN Engineering Services (Pvt.) Ltd.
31	Piling Work at Ghotki Feeder Canal Project	Ghotki	Irrigation Department, Sindh
32	Piling Work of 1600mm and 1200mm dia piles for DHA Lahore Transmission Line	DHA, Lahore	DHA, Lahore
32	Piling Work RLNG Coal Fired Power Project Haveli Bahdur Shah, Jhang	District Jhang	Government of Punjab
33	Piling Work of 1600mm dia piles at Multan Transmission Line	Multan, Punjab	WAPDA

LIST OF PROJECTS COMPLETED IN 2017

S. No.	Description	Location	Client
1	Geotechnical Investigations of Kashti Bridge, Nowshera, KPK	Kashti Bridge, Nowshera, KPK	OIC Research & Consultancy, MCE Risalpur
2	Geotechnical Investigation of PMG Tank-340, Attock Oil Refinery, Morgah, Rawalpindi.	Morgah, Rawalpindi	Attock Refinery Limited
3	Geotechnical Investigation of Qarshi Knowledge City, M-1 near Burhan Interchange, Hasan Abdal, District Attock.	Near Burhan Interchange, Hasan Abdal, District Attock.	Qarshi Foundation
4	Geotechnical Investigation of Bahria Town, Adyala Road, Rawalpindi.	Adyala Road, Rawalpindi	Bahria Town (Pvt.) Ltd.
5	Geotechnical Investigations along the proposed alignment of Lahore-Sialkot Motorway.	Lahore-Sialkot Motorway	OIC Research & Consultancy, MCE Risalpur
6	Geotechnical Investigations of Wam Tangi Dam, District Harnai, Balochistan	District Harnai, Balochistan	Irrigation Department, Balochistan
7	Geotechnical Investigations of Zandra Storage Dam, District Ziarat, Balochistan	District Ziarat, Balochistan	Irrigation Department, Balochistan
8	Geotechnical Investigations for the Proposed Construction of Bridge at Mehmood Booti Interchange, Lahore Eastern Bypass, Lahore	Lahore	National Highway Authority
9	Geotechnical Investigations for the Proposed Construction of Bridge over Ravi River, Lahore Eastern Bypass, Lahore	Lahore	National Highway Authority
10	Geotechnical Investigations for the Proposed Construction of Bridge at RD # 11+113, Lahore Eastern Bypass, Lahore	Lahore	National Highway Authority
11	Geotechnical Investigations of Ashkan Dam, District Mastung, Balochistan	District Mastung, Balochistan	Irrigation Department, Balochistan
12	Geotechnical Investigations of Barkhan Dam, District Barkhan, Balochistan	District Barkhan, Balochistan	Irrigation Department, Balochistan

S. No.	Description	Location	Client
13	Geotechnical Investigations of Dinnar Dam, District Pishin, Balochistan	District Pishin, Balochistan	Irrigation Department, Balochistan
14	Geotechnical Investigations of Mara Tangi Dam, District Loralai, Balochistan	District Loralai, Balochistan	Irrigation Department, Balochistan
15	Geotechnical Investigations of Panjpai Dam, District Mastung, Balochistan	District Mastung, Balochistan	Irrigation Department, Balochistan
16	Geotechnical Investigations of Sunni Gar Dam, District Khuzdar, Balochistan	District Khuzdar, Balochistan	Irrigation Department, Balochistan
17	Geotechnical Investigations of Sara Khula Dam, District Quetta, Balochistan	District Quetta, Balochistan	Irrigation Department, Balochistan
18	Geotechnical Investigations of Khuchnai Dara Dam, District Quetta, Balochistan	District Quetta, Balochistan	Irrigation Department, Balochistan
19	Geotechnical Investigation of Bahria Town Phase VIII Extension, Bahria Town, Rawalpindi	Rawat-Adyala Link Road, Rawalpindi	Bahria Town (Pvt.) Ltd.
20	Geophysical Investigation for the Construction of 155m RCC Bridge (Class 40) at Keris over Shoyok River District Ghanche	District Ghanche	Modern Consulting Engineers
21	Geophysical Investigation for the Construction of RCC Bridge for Haldi & Machlu, District Ghanche	District Ghanche	Modern Consulting Engineers
22	Geophysical Investigation of Superstructure for RCC Bridge at Sormo, District Ghanche	District Ghanche	Modern Consulting Engineers
23	Geophysical Investigation for the Construction of RCC Bridge at Sailing, District Skardu	District Skardu	Modern Consulting Engineers
24	Geophysical Investigation for the Construction of RCC Bridge at Kharfaq, District Skardu	District Skardu	Modern Consulting Engineers
25	Geophysical Investigation for the Construction of RCC Bridge at District Shigar	District Shigar	Modern Consulting Engineers
26	Geotechnical Investigations for the Construction of Bridge in Kharan	District Kharan, Balochistan	National Highway Authority

S. No.	Description	Location	Client
27	Geotechnical Investigations for the Construction of different Accommodation Blocks for Peshwar Lines at Malir Cantt, Karachi	Malir Cantt, Karachi	OIC Research & Consultancy, MCE Risalpur
28	Geotechnical Investigations for the Construction of different Accommodation Blocks for ORD Center BWP at Malir Cantt, Karachi	Malir Cantt, Karachi	OIC Research & Consultancy, MCE Risalpur
29	Geotechnical Investigations of Water Treatment Plant in Gilgit-Baltistan	Gilgit-Baltistan	OIC Research & Consultancy, MCE Risalpur
30	Geotechnical Investigations of different structures in Bholari Airbase, Bholari, District Hyderabad	Bholari Airbase, Bholari, District Hyderabad	DD&C, Engineer-in-Chief's Branch, GHQ, Rawalpindi
31	Geotechnical Investigations for the Installation of Solar Panels at Service Shoes Factory, Muridke Road, Sheikhpura	Service Shoes Factory, Muridke Road, Sheikhpura	Reon Energy Solutions (Pvt) Ltd
32	Geotechnical Investigations for Proposed 160,000 TPA Steel Melt Shop & 150,000 TPA Rolling Mill	Industrial State, Hattar	Karachi Steel Mills (Pvt) Ltd
33	Geotechnical Investigations for the Construction of Overhead Water Tank at Area Water Board Office, Pakpattan, Punjab	Pakpattan, Punjab	Synohydro Corporation
34	Geotechnical Investigations for the Construction of different Structures at Hamadan Housing Society, Lahore	Lahore	Hamadan Housing Society, Lahore
35	Geotechnical Investigations for the Conversion of 2-Lane Swan Bridge to 4-Lane Bridge, G.T Road, Rawalpindi	G.T Road, Rawalpindi	National Highway Authority
36	Geotechnical Investigations for the Conversion of 2-Lane Lai Bridge to 4-Lane Bridge, G.T Road, Rawalpindi	G.T Road, Rawalpindi	National Highway Authority
37	Geotechnical Investigations for the Conversion of 2-Lane Lai Bridge to 4-Lane Bridge, G.T Road, Rawalpindi	G.T Road, Rawalpindi	National Highway Authority
38	Geotechnical Investigations at 75 different Schools for the Construction of Additional Classrooms under Prime Minister's Education Sector Reforms Programme in ICT Islamabad	ICT Islamabad	Capital Administration & Development Division (CADD) Government of Pakistan

S. No.	Description	Location	Client
39	Geotechnical Investigations Report Writing of Project “Construction of Academic Block, Ghulam Ishaq Khan Institute of Engineering Sciences & Technology, Topi, District Swabi, KPK”	Ghulam Ishaq Khan Institute of Engineering Sciences & Technology, Topi, District Swabi, KPK	GIK Institute of Engineering Sciences & Technology, Topi, District Swabi, KPK
40	Geotechnical Investigations for the Construction of Bridge-I & Bridge-II at Makran Coastal Highway, Gwadar	Makran Coastal Highway, Gwadar	Noor-ul-Haq & Brothers
41	Geotechnical Investigations along the proposed alignment of Water Transmission Line from Swad Dam to Darbella, Gwadar	Gwadar	Gwadar Development Authority
42	Geotechnical Investigations for the Construction of different Structures at Bahria Town, Islamabad / Rawalpindi	Bahria Town, Islamabad / Rawalpindi	Bahria Town (Pvt) Ltd
43	Geotechnical Investigations for the Construction of different Structures at Bahria Enclave, Islamabad	Bahria Enclave, Islamabad	Bahria Enclave, Islamabad
44	Geotechnical Investigations for the Construction of different Structures at DHA, Islamabad	DHA, Islamabad	DHA, Islamabad
45	Geotechnical Investigations of More than 100 different residential & commercial plots in Bahria Town, Islamabad / Rawalpindi	Bahria Town, Islamabad / Rawalpindi	Engineering Design Consultant
46	Geotechnical Investigations of More than 100 different residential & commercial plots in Bahria Town, Islamabad / Rawalpindi	Bahria Town, Islamabad / Rawalpindi	Modern Consulting Engineers
47	Geotechnical Investigations of more than 200 sites for the installation of Mobile Phone towers in Pakistan	Pakistan	Engineering & Design Bureau (EDB)
48	Geotechnical Investigations of Five (05) different commercial plots in Islamabad	Islamabad	ZKB (Pvt) Ltd
49	Geotechnical Investigation for the Construction of Capital Mall, Bahria Enclave, Islamabad	Bahria Enclave, Islamabad	Arch Builders
50	Geotechnical Investigations of more than 100 Residential & Commercial Plots in Islamabad / Rawalpindi	Islamabad / Rawalpindi	Private

LIST OF PROJECTS COMPLETED IN 2018

S. No.	Description	Location	Client
1	Geotechnical Investigations of Sohinda Dam, District Khuzdar, Balochistan	District Khuzdar, Balochistan	Irrigation Department, Balochistan
2	Geotechnical Investigations of Saran Tangi Dam, District Quetta, Balochistan	District Quetta, Balochistan	Irrigation Department, Balochistan
3	Geotechnical Investigation of Blue World City, Chakri Road, Rawalpindi	Chakri Road, Rawalpindi	Blue Group of Companies
4	Geotechnical Investigation & Barrow Area study of Nok Kundi to Mashkhel Road (102+979) on Quetta - Taftan Road, Balochistan	Quetta - Taftan Road, Balochistan	National Highway Authority
5	Geotechnical Investigation for Phase VIII Extension at Adyala Rawat Link Road, Bahria Town, Rawalpindi	Bahria Town, Rawalpindi	Bahria Town (Pvt.) Ltd.
6	Geotechnical Investigation of 5MW Rental Solar Power Plant, Thar Block-II, Sindh	Thar Block-II, Sindh	Reon Energy Solutions
7	Geotechnical Investigation at Classified Site, Gilgit	Gilgit	OIC Research & Consultancy, MCE Risalpur
8	Geotechnical Investigation of Proposed Bridge at RD # 74+352, Swat Expressway	RD # 74+352, Swat Expressway	OIC Research & Consultancy, MCE Risalpur
9	Geotechnical Investigation of Air Headquarters, E-9, Islamabad	E-9, Islamabad	OIC Research & Consultancy, MCE Risalpur
10	Geotechnical Investigation for the Construction of Barracks at Malir Cantt. Karachi	Malir Cantt. Karachi	OIC Research & Consultancy, MCE Risalpur
11	Geotechnical Investigation along the proposed alignment of Malir Expressway, Karachi	Malir Expressway, Karachi	OIC Research & Consultancy, MCE Risalpur
12	Geotechnical Investigation at Kamra Cantt. Kamra	Karma Cantt. Kamra	OIC Research & Consultancy, MCE Risalpur
13	Geotechnical Investigation for the Construction of Apartments at Murree Expressway, Mouza Phulgaran, Islamabad	Mouza Phulgaran, Islamabad	Emirates Development (Pvt.) Ltd.

S. No.	Description	Location	Client
14	Geotechnical Investigation of Cadet College Awaran, Balochistan	Awaran, Balochistan	Project Director, Cadet Colleges, Balochistan
15	Geotechnical Investigation for the Conversion of 30 Small Suspension Bridges into RCC Bridges in Gilgit-Baltistan	Gilgit-Baltistan	Modern Consulting Engineers
16	Geotechnical Investigation for the Construction of "The Avenues Mall and Residencia" Islamabad	Islamabad	Modern Consulting Engineers
17	Geotechnical Investigation of Darra Bridge (RD # 169+540) on Proposed Road from Shabozai (N-70) to Taunsa Sharif (N-55) District Musakhel, Balochistan	Proposed Road from Shabozai (N-70) to Taunsa Sharif (N-55)	Communication & Works Department
18	Geotechnical Investigation of Drug Bridge on Proposed Road from Shabozai (N-70) to Taunsa Sharif (N-55) District Musakhel, Balochistan	Proposed Road from Shabozai (N-70) to Taunsa Sharif (N-55)	Communication & Works Department
19	Geotechnical Investigation of Sarwan Bridge (RD # 116+275) on Proposed Road from Shabozai (N-70) to Taunsa Sharif (N-55) District Musakhel, Balochistan	Proposed Road from Shabozai (N-70) to Taunsa Sharif (N-55)	Communication & Works Department
20	Geotechnical Investigation of Tang Sar Bridge (RD # 92+062) on Proposed Road from Shabozai (N-70) to Taunsa Sharif (N-55) District Musakhel, Balochistan	Proposed Road from Shabozai (N-70) to Taunsa Sharif (N-55)	Communication & Works Department
21	Geotechnical Investigation of Tangi Sar Bridge (RD # 149+000) on Proposed Road from Shabozai (N-70) to Taunsa Sharif (N-55) District Musakhel, Balochistan	Proposed Road from Shabozai (N-70) to Taunsa Sharif (N-55)	Communication & Works Department
22	Geotechnical Investigation of Approximate 3.0 Acres Land for the Installation of Solar Panels at Kasur	Kasur, Punjab	Solis Energy Solutions
23	Geotechnical Investigation of NBP Branch at Pind Dadan Khan, Punjab	Pind Dadan Khan	National Bank of Pakistan
24	Geotechnical Report Writing of Project "Improvement and Dualization of Existing Chichawatni - Lahore / Multan Motorway M-3 Link Road (44 Km)"	Chichawatni - Lahore / Multan Motorway M-3 Link Road (44 Km)	National Highway Authority

S. No.	Description	Location	Client
25	Geotechnical Investigation Report Writing of Project “Proposed RCC Bridges No. 1, 2, 3 and 4, South of Lowari Tunnel, Chitral”	South of Lowari Tunnel, Chitral	National Highway Authority
26	Geotechnical Investigation Report Writing of Project “Proposed RCC Bridges No. 1, 2, 4 and 5, North of Lowari Tunnel, Chitral”	North of Lowari Tunnel, Chitral	National Highway Authority
27	Geotechnical Investigation of Garden Villas, Toba Tek Singh, Rajana	Toba Tek Singh, Rajana	Modern Consulting Engineers
28	Geotechnical Investigation of Chenab Orchard Jalalpur Road Tehsil and District Gujrat	Tehsil and District Gujrat	Modern Consulting Engineers
29	Geotechnical Investigation for the Construction of Hostel Building in Balochistan University of Engineering & Technology Khuzdar	Balochistan University of Engineering & Technology Khuzdar	Balochistan University of Engineering & Technology Khuzdar
30	Geotechnical Investigation for the Construction of Incubation Center at University of Peshawar, Peshawar	Peshawar	University of Peshawar
31	Geotechnical Investigation for the Construction of Product Development Centre for Composites Based Sports Goods, Sialkot	Sialkot	New Vision Engineering Consultant
32	Drilling Work at KRL for the installation of Earthing System	KRL, Rawalpindi	Civil Works Organization (CWO)
33	Confirmatory Drilling at different locations along the proposed alignment of Hazara Motorway	Hazara Motorway	Frontier Works Organization (CWO)
34	Confirmatory Drilling at different locations of Package-I & II along the proposed alignment of Swat Expressway	Swat Expressway	Frontier Works Organization (CWO)
35	Geotechnical Investigation for the Construction of Cardiac Center, Quetta, Balochistan	Quetta, Balochistan	Shahzad Gul Architects & Urban Designers
36	Geotechnical Investigation for the Proposed Construction of Helicopter Hanger at Quetta International Airport, Quetta, Balochistan	Quetta International Airport, Quetta, Balochistan	Communication & Works Department, Government of Balochistan
36	Geotechnical Investigation for the Proposed Construction of Levies Training Center, Kuchlak	Quetta International Airport, Quetta, Balochistan	Project Division II, Communication & Works Department

S. No.	Description	Location	Client
37	Performance of Plate Load Test at at Rear Side of KFC, Near Clock Tower, Phase VII, Bahria Town, Rawalpindi	Phase VII, Bahria Town, Rawalpindi	Bahria Town (Pvt.) Ltd.
38	Piling Work at Tarar Campus, University of Poonch, Rawalakot, AJ&K	Rawalakot, AJ&K	University of Poonch
39	Geotechnical Investigation for the Designing & Re-Construction of Boundary Wall at State Bank of Pakistan, Muzaffarabad	Muzaffarabad	State Bank of Pakistan, Muzaffarabad
40	Geotechnical Investigations at Six different locations of Swat Expressway near Babuzai Camp, Malakand Agency	Babuzai Camp, Malakand Agency	Frontier Works Organization (CWO)
41	Performance of Plate Load Test at Five different locations of Swat Expressway near Babuzai Camp, Malakand Agency	Babuzai Camp, Malakand Agency	Frontier Works Organization (CWO)

LIST OF PROJECTS COMPLETED IN 2019

S. No.	Description	Location	Client
1	Geotechnical Investigation of Proposed Drainage Structure at Kurram Tangi Dam, Spin Wam, FATA	Spin Wam, FATA	Frontier Works Organization (FWO) / AREAA Construction Pakistan
2	Geotechnical Investigations for the Construction of different Structures at Bahria Town, Islamabad / Rawalpindi	Bahria Town, Islamabad / Rawalpindi	Bahria Town (Pvt) Ltd
3	Geotechnical Investigations for the Construction of different Structures at Bahria Enclave, Islamabad	Bahria Enclave, Islamabad	Bahria Enclave, Islamabad
4	Geotechnical Investigations for the Construction of different Structures at DHA, Islamabad	DHA, Islamabad	DHA, Islamabad
5	Geotechnical Investigations of More than 50 different residential & commercial plots in Bahria Town, Islamabad / Rawalpindi	Bahria Town, Islamabad / Rawalpindi	Engineering Design Consultant
6	Geotechnical Investigations of More than 100 different residential & commercial plots in Bahria Town, Islamabad / Rawalpindi	Bahria Town, Islamabad / Rawalpindi	Modern Consulting Engineers
7	Geotechnical Investigations of More than 50 different commercial plots in Bahria Town, Islamabad / Rawalpindi	Bahria Town, Islamabad / Rawalpindi	Private
8	Geotechnical Investigations of More than 50 different residential & commercial plots in Islamabad / Rawalpindi	Islamabad / Rawalpindi	Askari Design & Consultancy, Rawalpindi
9	Geotechnical Investigations of more than 200 sites for the installation of Mobile Phone towers in Pakistan	Pakistan	Engineering & Design Bureau (EDB)
10	Geotechnical Site Investigations for the Construction of Nursing School Block at Air University, Islamabad	Air University, Islamabad	Air University, Islamabad
11	Geotechnical Investigations for the Construction of Askari Towers III & IV, DHA, Islamabad	DHA, Islamabad	DHA, Islamabad / Askari Design & Consultancy, Rawalpindi

S. No.	Description	Location	Client
12	Geotechnical Investigations of Garuk Storage Dam Project, District Kharan, Balochistan	District Kharan, Balochistan	Project Director, Irrigation Department, Balochistan
13	Geotechnical Site Investigations for Bridges on Proposed Road Alignment from Ahmadwal to Kharan	Ahmadwal to Kharan	DD&C E-in-C Branch, Rawalpindi
14	Geotechnical Investigations for the Town Planning of Gamba Skardu Corridor from Cadet College to Radio Pakistan Chowk, Skardu	Skardu	Modern Consulting Engineers
15	Geotechnical Investigations for the Town Planning of Shama Royal City, Khor Road, Fateh Jang District Attock	District Attock	Modern Consulting Engineers
16	Geotechnical Site Investigations of NCBA&E Sub Campus Opp. Nayyar Carpet, Off GT Road, Gujrat	Gujrat	NCBA&E
17	Geotechnical Investigations for the Town Planning of Banaras Housing Society, Bostan Khan Road, Scheme-III, Rawalpindi	Scheme-III, Rawalpindi	Banaras Housing Society
18	Geotechnical Investigations for the Construction of Pakistan Sweet Home Angels & Fairies Place at Hajra Khan Complex, Sheikhpura Road, Lahore	Sheikhpura Road, Lahore	Pakistan Sweet Home
19	Geotechnical Investigations at Silver Star Group, Daska Road, Sialkot	Daska Road, Sialkot	Silver Star Group
20	Geotechnical Investigations of Dubai International School & College opposite GPO Office, Balakot Bypass Road, Manshera	Balakot Bypass Road, Manshera	Dubai International School & College
21	Geotechnical Investigations of Hadi Airport Heights at Plot No. AE-04, Sir Syed Ahmed Khan Avenue, Block E, Khuda Dad City, Sector Airport Enclave, Rawalpindi	Sector Airport Enclave, Rawalpindi	Hadi Airport Heights
22	Geotechnical Investigations of "Mall of Chiniot" at Jhumra Road, Chiniot, Punjab	Jhumra Road, Chiniot, Punjab	Ar. Jalal Sherazi
23	Geotechnical Investigations for the Construction of Nowshera Heights at Khasra No. 345, G.T Road, Azakhel Bala, Nowshera	G.T Road, Azakhel Bala, Nowshera	Ar. Jalal Sherazi

24	Geotechnical Investigations for the Construction of “Khawaja Shopping Mall” at Plot No. 4216, 4297, Kalan DK Chaudrian near Car Chowk, Rawalpindi	Rawalpindi	Mr. Muhammad Naeem
25	Geotechnical Investigations for the Proposed Construction of Pakistan Navy Sailing Centre, Lake View, Islamabad	Lake View, Islamabad	Pakistan Navy
26	Geotechnical Investigations for the Construction of Barracks at Model Prison, Sector H, Islamabad	Sector H, Islamabad	Sikandar Ajam Associates, Islamabad
27	Geotechnical Site Investigations for the Construction of Pathriata Heights at Murree Expressway near Lower Topa	Murree Expressway near Lower Topa	Senator Abdul Nabi Bangash

LIST OF PROJECTS COMPLETED IN 2020

S. No.	Description	Location	Client
1	Geotechnical Investigation Report Writing of Project “Proposed RCC Bridges No. 1, 2, 3 and 4, South of Lowari Tunnel, Chitral”	South of Lowari Tunnel, Chitral	National Highway Authority
2	Geotechnical Investigation Report Writing of Project “Proposed RCC Bridges No. 1, 2, 4 and 5, North of Lowari Tunnel, Chitral”	North of Lowari Tunnel, Chitral	National Highway Authority
3	Geotechnical Investigation of Garden Villas, Toba Tek Singh, Rajana	Toba Tek Singh, Rajana	Modern Consulting Engineers
4	Geotechnical Investigation of Chenab Orchard Jalalpur Road Tehsil and District Gujrat	Tehsil and District Gujrat	Modern Consulting Engineers
5	Geotechnical Investigation for the Construction of Hostel Building in Balochistan University of Engineering & Technology Khuzdar	Balochistan University of Engineering & Technology Khuzdar	Balochistan University of Engineering & Technology Khuzdar
6	Geotechnical Investigation for the Construction of Incubation Center at University of Peshawar, Peshawar	Peshawar	University of Peshawar
7	Geotechnical Investigation for the Construction of Product Development Centre for Composites Based Sports Goods, Sialkot	Sialkot	New Vision Engineering Consultant
8	Drilling Work at KRL for the installation of Earthing System	KRL, Rawalpindi	Civil Works Organization (CWO)
9	Confirmatory Drilling at different locations along the proposed alignment of Hazara Motorway	Hazara Motorway	Frontier Works Organization (CWO)
10	Confirmatory Drilling at different locations of Package-I & II along the proposed alignment of Swat Expressway	Swat Expressway	Frontier Works Organization (CWO)
11	Geotechnical Investigation for the Construction of Cardiac Center, Quetta, Balochistan	Quetta, Balochistan	Shahzad Gul Architects & Urban Designers
12	Geotechnical Investigation for the Proposed Construction of Helicopter Hanger at Quetta International Airport, Quetta, Balochistan	Quetta International Airport, Quetta, Balochistan	Communication & Works Department, Government of Balochistan

13	Geotechnical Investigation for the Proposed Construction of Levies Training Center, Kuchlak	Quetta International Airport, Quetta, Balochistan	Project Division II, Communication & Works Department
14	Geotechnical Site Investigations for Bridges on Proposed Road Alignment from Ahmadwal to Kharan	Ahmadwal to Kharan	DD&C E-in-C Branch, Rawalpindi
15	Geotechnical Investigations for the Town Planning of Gamba Skardu Corridor from Cadet College to Radio Pakistan Chowk, Skardu	Skardu	Modern Consulting Engineers
16	Geotechnical Investigations for the Town Planning of Shama Royal City, Khor Road, Fateh Jang District Attock	District Attock	Modern Consulting Engineers
17	Geotechnical Site Investigations of NCBA&E Sub Campus Opp. Nayar Carpet, Off GT Road, Gujrat	Gujrat	NCBA&E
18	Geotechnical Investigations for the Town Planning of Banaras Housing Society, Bostan Khan Road, Scheme-III, Rawalpindi	Scheme-III, Rawalpindi	Banaras Housing Society
19	Geotechnical Investigations for the Construction of Pakistan Sweet Home Angels & Fairies Place at Hajra Khan Complex, Sheikhpura Road, Lahore	Sheikhpura Road, Lahore	Pakistan Sweet Home
20	Geotechnical Investigations at Silver Star Group, Daska Road, Sialkot	Daska Road, Sialkot	Silver Star Group
21	Geotechnical Investigations of Dubai International School & College opposite GPO Office, Balakot Bypass Road, Manshera	Balakot Bypass Road, Manshera	Dubai International School & College
22	Geotechnical Investigations of Hadi Airport Heights at Plot No. AE-04, Sir Syed Ahmed Khan Avenue, Block E, Khuda Dad City, Sector Airport Enclave, Rawalpindi	Sector Airport Enclave, Rawalpindi	Hadi Airport Heights
23	Geotechnical Investigations of "Mall of Chiniot" at Jhumra Road, Chiniot, Punjab	Jhumra Road, Chiniot, Punjab	Ar. Jalal Sherazi
24	Geotechnical Investigations for the Construction of Nowshera Heights at Khasra No. 345, G.T Road, Azakhel Bala, Nowshera	G.T Road, Azakhel Bala, Nowshera	Ar. Jalal Sherazi
25	Geotechnical Investigations for the Construction of different Structures at Bahria Enclave, Islamabad	Bahria Enclave, Islamabad	Bahria Enclave, Islamabad

26	Geotechnical Investigations for the Construction of different Structures at DHA, Islamabad	DHA, Islamabad	DHA, Islamabad
27	Geotechnical Investigations of More than 50 different residential & commercial plots in Bahria Town, Islamabad / Rawalpindi	Bahria Town, Islamabad / Rawalpindi	Engineering Design Consultant
28	Geotechnical Investigations of More than 100 different residential & commercial plots in Bahria Town, Islamabad / Rawalpindi	Bahria Town, Islamabad / Rawalpindi	Modern Consulting Engineers
29	Geotechnical Investigations of More than 50 different commercial plots in Bahria Town, Islamabad / Rawalpindi	Bahria Town, Islamabad / Rawalpindi	Private
30	Geotechnical Investigations of More than 50 different residential & commercial plots in Islamabad / Rawalpindi	Islamabad / Rawalpindi	Askari Design & Consultancy, Rawalpindi
31	Geotechnical Investigations of more than 200 sites for the installation of Mobile Phone towers in Pakistan	Pakistan	Engineering & Design Bureau (EDB)
32	Geotechnical Site Investigations for the Construction of Nursing School Block at Air University, Islamabad	Air University, Islamabad	Air University, Islamabad
33	Geotechnical Investigations for the Construction of Askari Towers III & IV, DHA, Islamabad	DHA, Islamabad	DHA, Islamabad / Askari Design & Consultancy, Rawalpindi

LIST OF PROJECTS COMPLETED IN 2021 & 2022

S. No.	Description	Location	Client
1	Geotechnical Investigations of Bara Kahu Bypass Project, Bara Kahu, Islamabad	Bara Kahu, Islamabad	Directorate of Design & Consultants (DD&C)
2	Geotechnical Investigations of Margalla Highway Project, Islamabad	Islamabad	Directorate of Design & Consultants (DD&C)
3	Geotechnical Site Investigations at Mushkaf, Balochistan	Balochistan	Noor Ul Haq & Brothers
4	Geotechnical Investigations for Construction of Proposed Building at Nathia Gali Abbottabad	Abbottabad, KPK	The Baron
5	Geotechnical Investigations of Khisar Dam, District Nushki, Balochistan	Nushki, Balochistan	Irrigation Department, Government of Balochistan
6	Drilling Work for Soldier Piles at Giga Mall Extension, DHA-II, Islamabad	Islamabad	Al Ghurair Giga (Pvt.) Ltd.
7	Provision of Basic Educational Facilities in Educational Institutions of ICT Under (FDE), Islamabad	Islamabad	Engineering Consultant International Ltd. (ECIL)
8	Pile Load Test at Plot No. 16, Block-E, Main Gulberg Expressway, Gulberg Islamabad	Islamabad	Gevora International
9	Geotechnical Site Investigations of Kuchnai Dara Dam, District Quetta, Balochistan	Quetta, Balochistan	Irrigation Department, Government of Balochistan
10	Geotechnical Investigation for Siri Toi Dam and Existing/Proposed Structures in Zhob & Mula River Basin, Balochistan Under Balochistan Water Resources development Sector Project (BWRDSP)	Zhob, Balochistan	NESPAK
11	Dhabeji Special Economic Zone (DSEZ)	Karachi	ZKB Development and Management Company
12	Srakhula Dam Project	Quetta, Balochistan	Pakistan Engineering Services (PES)
13	Drilling and Grouting Work at Windar Dam Project	Winder, Balochistan	JV - Zahir Khan & Brothers, Kasib Builders & Developers (Pvt.) Ltd.

LIST OF PILING PROJECTS

S. No.	Description	Location	Client
1	Drilling for Piling work and Performance of Pile Load Test at “University of Rawlakot, Trar Campus”	Rawalakot, AJK	China Com Services (CCS)
2	Drilling of Soldier Piles at “GIGA Mall Extension”	DHA Phase II, Islamabad	Al-Ghurair GIGA
3	Drilling of Soldier Piles at “Gold Crest Views”	DHA Phase II, Islamabad	Al-Ghurair GIGA
4	Performance of High Strain Dynamic Pile Load (HSDPL) Test	DHA Phase II, Islamabad	Al-Ghurair GIGA
5	Drilling of Foundation Piles at Plot no. 10 & 11	Block C, Top City	Top Associates
6	Driling for Test Pile and Performance of High Strain Dynamic Pile Load (HSDPL) Test	The Walk Commercial, Park View City	ELANZA CREEKS
7	Driling for Test Pile and Performance of High Strain Dynamic Pile Load (HSDPL) Test	Gevora Mall, Gulberg Greens, Islamabad	Develoscape Architects & Consultants
8	Drilling for Piling work at “National University of Modern Languages”	H-9, Islamabad	National University of Modern Languages
9	Drilling for Piling work at “The BARON Hotel”	Nathia Gali, KPK	The BARON

LIST OF KPK PROJECTS

S. No.	Description	Location	Client
1	Geotechnical Site Investigations of Marobi Dam, District Nowshera, KPK.	District Nowshera	Cameos Consultants / Small Dams Irrigation Department, KPK
2	Geotechnical Site Investigations of Ulla Dam, District Swabi, KPK.	District Swabi	Cameos Consultants / Small Dams Irrigation Department, KPK
3	Geotechnical Investigations of Phunkia Pedestrian Bridge at Bahrain	District Swat, Khyber Pakhtoonkhwa	UNOPS/Cameos
4	Geotechnical Investigations of Bonyo Pedestrian Bridge at Bahrain	District Swat, Khyber Pakhtoonkhwa	UNOPS/Cameos
5	Geotechnical Investigation of NBP Branch at Nathia Gali, Abbottabad	Nathia Gali	National Bank of Pakistan
6	Geotechnical Investigation for Reconstruction of Damaged Wall of Qila Balahisar, Peshawar	Peshawar	Frontier Corps, Peshawar
7	Geotechnical Investigation of 26 Water Retention Structures, District Karak, KPK	District Karak, KPK.	Cameos Consultants
8	Piling Work at Dasu Hydropower Project (Transmission Line)	District Besham, KPK	WAPDA
9	Geotechnical Investigation and Feasibility study of Proposed Alignment of Swat Expressway.	Proposed Alignment of Swat Expressway	OIC Research & Consultancy, MCE Risalpur
10	Geotechnical Investigation of NBP Branch at Peshawar, KPK.	Peshawar, KPK	National Bank of Pakistan
11	Geotechnical Investigation of NBP Branch at Bannu, KPK.	Bannu, KPK	National Bank of Pakistan
12	Geotechnical Investigation of NBP Branch at D.I Khan, KPK.	D.I Khan, KPK	National Bank of Pakistan
13	Detail Geotechnical Investigations along Proposed Alignment of Swat Expressway project	Swat Expressway	OIC Research & Consultancy, MCE Risalpur

14	Geotechnical Investigations at Torkham Border, Khyber Agency, KPK	Torkham Border, Khyber Agency, KPK	OIC Research & Consultancy, MCE Risalpur
15	Geotechnical Investigations of Kashti Bridge, Nowshera, KPK	Kashti Bridge, Nowshera, KPK	OIC Research & Consultancy, MCE Risalpur
16	Geotechnical Investigations of Kashti Bridge, Nowshera, KPK	Kashti Bridge, Nowshera, KPK	OIC Research & Consultancy, MCE Risalpur
17	Geotechnical Investigation of Qarshi Knowledge City, M-1 near Burhan Interchange, Hasan Abdal, District Attock.	Near Burhan Interchange, Hasan Abdal, District Attock.	Qarshi Foundation
18	Geotechnical Investigations Report Writing of Project “Construction of Academic Block, Ghulam Ishaq Khan Institute of Engineering Sciences & Technology, Topi, District Swabi, KPK”	Ghulam Ishaq Khan Institute of Engineering Sciences & Technology, Topi, District Swabi, KPK	GIK Institute of Engineering Sciences & Technology, Topi, District Swabi, KPK
19	Geotechnical Investigation of Proposed Bridge at RD # 74+352, Swat Expressway	RD # 74+352, Swat Expressway	OIC Research & Consultancy, MCE Risalpur
20	Geotechnical Investigation for the Construction of Incubation Center at University of Peshawar, Peshawar	Peshawar	University of Peshawar
21	Confirmatory Drilling at different locations along the proposed alignment of Hazara Motorway	Hazara Motorway	Frontier Works Organization (CWO)
22	Confirmatory Drilling at different locations of Package-I & II along the proposed alignment of Swat Expressway	Swat Expressway	Frontier Works Organization (CWO)
23	Geotechnical Investigation of Proposed Drainage Structure at Kurram Tangi Dam, Spin Wam, FATA	Spin Wam, FATA	Frontier Works Organization (FWO) / AREAA Construction Pakistan

SITE PICTURES



Geotechnical Investigations of Bajaur Tower, Ganjmandi Road, Rawalpindi



Geotechnical Investigations of Phunkia Bridge, Bahrain, District Swat, KPK



Geotechnical Investigations of Residential Building in Bani Gala, Islamabad



Geotechnical Investigations for Slope Remediation in DHA, Phase-II, Islamabad



Performance of FDT at “Geotechnical Investigations for 50MW Tricom Wind Power Project, 347-Acres at Jhimpir, Sindh” Project



Geotechnical Investigations for Laterally Loaded Piles in Bahria Golf City, Islamabad



Geotechnical Investigations for M-3 Embankment in Bahria Golf City, Islamabad



Geotechnical Investigations of Marobi Dam, District Nowshehra, KPK



Geotechnical Investigations of Uvla Dam, District Swabi, KPK



Geotechnical Investigations for Shaheen Enclave Housing Scheme, Sargodha



Geotechnical Investigations along the proposed Alignment of Ring Road, Lahore



Geotechnical Investigations along the proposed Alignment of Swat Expressway



Geotechnical Investigations at Torkham Border, Khyber Agency, KPK



Piling Work at Ghotki



Static Pile Load Test at Ghotki



Pile Load Test at Tarar Campus, University of Poonch, Rawalakot, AJ&K



Pile Load Test at Tarar Campus, University of Poonch, Rawalakot, AJ&K



Electrical Resistivity Survey at Shaheen Enclave Housing Scheme, Sargodha

HEALTH SAFETY AND ENVIRONMENT POLICY

HEALTH, SAFETY AND ENVIRONMENT POLICY (HSE)

Our goal is to achieve and maintain Health, Safety and Environment (HSE) performance excellence, as measured by our Clients. All levels of management are responsible and will be held accountable for providing leadership, visible commitment, direction and resources to meet our identified HSE performance targets.

Supervisors are responsible for ensuring that we maintain a safe work environment, that employees are adequately trained and that our HSE policies and procedures are fairly and consistently enforced.

All employees engaged by GeoCrust share the responsibility to work in a manner that will protect themselves, fellow employees, the public and our environment from harm.

LIST OF MACHINERY / EQUIPMENT / PLANT

LIST OF MACHINERY / EQUIPMENT / PLANT

AVAILABLE IN WORKING CONDITION

GEOTECHNICAL DIVISION		
Filed Equipment		
S. No.	TOOLS & EQUIPMENT:	Quantity
i.	Auger Piling Rig	01 nos.
ii.	Straight Rotary Rig	04 nos.
iii.	Percussion Rig (Light + Heavy)	08 nos.
iv.	Hand Auger Set	03 nos.
v.	Tripod 30ft.	04 nos.
vi.	Tripod 18ft.	04 nos.
vii.	Drilling Rods	400m
viii.	Casing (NW)	50m
ix.	Casing (HW)	50m
x.	Casing (PW)	30m
xi.	Casing 6.5''	40m
xii.	Double Tube Core Barrel (NX)	02 nos.
xiii.	Double Tube Core Barrel (NQ)	03 nos.
xiv.	Triple Tube Core Barrel (NQ)	01 no.
xv.	Diamond Bit	10 nos.
xvi.	Tricone Bit	04 nos.
xvii.	Clay Bit	06 nos.
xviii.	Water Pressure Test	03 sets
xix.	Permeability Test	03 sets
xx.	UDS Sampler	07 nos.
xxi.	SPT Equipment	06 sets
xxii.	Hydraulic Jack	04 nos.
xxiii.	Water Sounder	02 nos.
xxiv.	Plate Load Test Equipment	02 sets
xxv.	FDT Sets	03 sets
xxvi.	Concrete Core Extractor	01 nos.
xxvii.	Grouting Pump	01 nos.
xxviii.	Survey Equipment	02 nos.

LABORATORY EQUIPMENT		
i.	Oven	01nos.
ii.	Grain Size Analysis	02sets.
iii.	Hydrometer Analysis	03sets
iv.	Atterberg Limits	02sets
v.	Specific Gravity	02sets
vi.	Field Density Test	02 sets
vii.	Standard and Modified Proctor Set	02 sets
viii.	Speedy Moisture Equipment	02nos.
ix.	Digital Balance	02 nos.

SURVEYING EQUIPMENT / TOOLS		
i.	Total Station	02
ii.	Try Bridge	04
iii.	Level	04
iv.	Rods	12
v.	Staff	04
Vi	Stand	03
vii.	Laptop	05
viii.	Camera	06
ix.	Hand GPS	10



ENGINEERS, ARCHITECTS, PLANNERS, AGRICULTURE, SOCIAL DEVELOPMENT & HRD CONSULTANTS.

Ref. No-GC/2021/0316
Dated March 16, 2021

COMPLETION CERTIFICATE

It is certified that M/s GEOCRUST has successfully completed Geotechnical Investigation of Babar Kach Dam, District Sibi, Balochistan including field testing, laboratory testing, and complete report with recommendations.

The GEOCRUST employed a very professional, competent and experienced team who were successfully carrying out the Geotechnical Investigation. Their performance is very satisfactory and I wish them success in their future projects and hope that they will continue to work in the same professional manner.


Wajid Saleem

Manager Business Development
Cameos Consultants





No.10104/Margalla Highway /DD&C

Dated 09 December 2021

TO WHOM IT MAY CONCERN

Capital Development Authority (CDA), Islamabad has engaged Directorate of Design & Consultancy, Engineer-in-Chief's Branch, GHQ to carryout Geotechnical Investigation of 8 Km of the proposed project site (Bhara Kahu). M/s GEOCRUST (Pvt) Limited has been engaged as sub-contractor to conduct Geotechnical Investigation and their teams are conducting physical surveys in the field. Please feel free to contact undersigned if you require any further details.



(Handwritten Signature)
Colonel
For DD&C
(Dr Irfan Zafar)
051-9271279

DD&C, E-in-C's Branch, Near RA Bazar, Rawalpindi Cantt
Phone No: +92(51)9271256, Fax No: +92(51)9271257
Email: ddnc1976@gmail.com

GARUK STORAGE DAM PROJECT CONSULTANTS



Consultancy Services for Detailed Design, Procurement of Contractor, Construction Supervision and Contract Management of Garuk Storage Dam Project, District Kharan

For: Department of Irrigation, Government of Balochistan

JV of: PAKISTAN ENGINEERING SERVICES (PVT.) LTD: &
REHMAN HABIB CONSULTANTS (PVT.) LTD.

Project Office: No. 7, Street 12, Sector-B Commercial Area, DHA, Phase-V, Lahore Cantt., Tel: +92-42-37182500-05 Fax: +92-42-37182508

Email: garukdam.bal@gmail.com

Ref: TL/C-128/GRK/02/21

Date: 25.02.2021

TO WHOM IT MAY CONCERN

M/S Geo Crust, Islamabad was entrusted with the geotechnical investigations of Garuk Storage Dam Project. The complete scope of work assigned was as follows:

- Drilling of Twelve (12) bore holes in all type of strata up to maximum of 75m depth using straight rotary/heavy percussion machine from the existing ground level.
- Preservation of rock core samples and waxed core samples in wooden core boxes including labelling of core boxes and transportation to testing laboratory.
- Performance of Field Permeability Test in overburden portion.
- Performance of Water Pressure Test at regular intervals into hard rocks.
- Locate and record water table in drilled holes.
- Subsurface condition evaluation and record of Geology.
- Excavation of Three (03) test pits and collection of bulk samples.
- Performance of Four (04) plate load tests.
- Carrying out and reporting of specified laboratory tests.
- Inferences and calculations for foundation strata.
- Foundation evaluation for project components.
- Submission of factual report including the above data with conclusions and recommendations.

The geotechnical investigation report submitted subsequent to completion of their field work provides the details and results of geotechnical site investigations performed to evaluate prevailing foundation conditions for the main project components, their functional suitability and engineering properties.

It is certified that M/S Geo Crust accomplished the assignment successfully according to acceptable standards and specifications.

The adherence to the work and sincerity shown by M/S Geo Crust was excellent. Their cooperation especially during execution the field work under difficult circumstances is highly acknowledged. We wish them the very best in future projects.



[Dr. Zaheer M. Malik]

Team Leader

Garuk Storage Dam Project Consultants



BWRDSP CONSULTANTS

For Project Design, Construction Supervision
and Implementation Support for Balochistan
Water Resources Development Sector Project

38, Block-N, Model Town Extension,
Lahore-54700, Pakistan
Ph: +92 (42) 35160974
Fax: +92 (42) 99231940
E-mail: bwrdsp@gmail.com
wa@nespak.com.pk

Ref: 4078/061/SH/01/97

Dated: April 23, 2020


M/s Geo Crust
Office No. 04,
1st Floor, Plaza No. 08, E-11/3,
Islamabad.

Balochistan Water Resources Development Sector Project (BWRDSP)
GEOTECHNICAL INVESTIGATIONS - LETTER OF ACCEPTANCE

This is to notify you that your negotiated Quotation dated April 21, 2020 for execution of the Geotechnical Investigations for Siri Toi Dam, District Zhob and Existing/ Proposed Structures in Zhob & Mula River Basin, Balochistan (Contract No. BWRDSP/GEO-01) for the Contract price of Rs. 13,210,600 (Rupees Thirteen Million Two Hundred Ten Thousand and Six Hundred) has been accepted by us.

You are requested to sign the attached contract document and commence execution of the Works not later than ten (10) days and ensure the completion of the Works within the period specified in the contract.

Yours faithfully,
for and on behalf of BWRDSP Consultants


(SABIR HUSSAIN)
Team Leader
BWRDSP Consultants





Encl: As Above


Copy to:

1. Chairman BOM/ GM/ Head, W&A Division NESPAK, Lahore.
2. Deputy Team Leader BWRDSP, 160 Airline Society, Khayaban-e-Jinnah, Lahore.
3. Project File.


A Joint Venture of

 National Engineering Services Pakistan (Pvt) Limited Lahore (Lead Partner)

 Rehman Habib Consultants (Pvt) Limited (JV Partner)

 Engineering General Consultants EGC (Pvt) Limited (JV Partner)

in association with

 Asian Advisory Services (Pvt) Limited

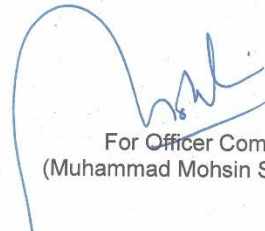
755 Construction Team Engineers
Camp Area Rakhni (Barkhan)
Balochistan
755ctem2@gmail.com
Case no. 607/Gen/RB/P
30 October 2021

To: The
Manager Material Laboratory
National University of Sciences & Technology (NUST)
Quetta Campus

Subject: **Completion Certificate for Soil Investigation - Test / Working Piles for
Bridges
Construction of Black Top Road from Rakhni to Baiker Distt. Dera Bugti
(73 Km)**

1. It is certified that 180m drilling for geotechnical investigation of 6x bridges at subject project has been completed by NUST team on 30th October 2021 under supervision of FWO / CAMEOS Cslt. started from 16 September 2021 to 30 October 2021. This Rig and associated equipment is property of NUST, moving back to Quetta store after completing drilling sites by Vehicle Mazda No. (SAA 463) via Loralai-Zhob to Quetta Road.
2. It is appreciated that boring team has done the job well in hard area with limited sources, we wish them good luck for future.




Captain
For Officer Commanding
(Muhammad Mohsin Shafique)



BWRDSP CONSULTANTS

For Project Design, Construction Supervision
and Implementation Support for Balochistan
Water Resources Development Sector Project

38, Block-N, Model Town Extension,
Lahore-54700, Pakistan
Ph: +92 (42) 35160974
Fax: +92 (42) 99231940
E-mail: bwrdsp@gmail.com
wa@nespak.com.pk

Ref: 4078/061/SH/01/97

Dated: April 23, 2020

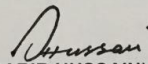
M/s Geo Crust
Office No. 04,
1st Floor, Plaza No. 08, E-11/3,
Islamabad.

Balochistan Water Resources Development Sector Project (BWRDSP)
GEOTECHNICAL INVESTIGATIONS - LETTER OF ACCEPTANCE

This is to notify you that your negotiated Quotation dated April 21, 2020 for execution of the Geotechnical Investigations for Siri Toi Dam, District Zhob and Existing/ Proposed Structures in Zhob & Mula River Basin, Balochistan (Contract No. BWRDSP/GEO-01) for the Contract price of Rs. 13,210,600 (Rupees Thirteen Million Two Hundred Ten Thousand and Six Hundred) has been accepted by us.

You are requested to sign the attached contract document and commence execution of the Works not later than ten (10) days and ensure the completion of the Works within the period specified in the contract.

Yours faithfully,
for and on behalf of BWRDSP Consultants


(SABIR HUSSAIN)
Team Leader
BWRDSP Consultants

Encl: As Above

Copy to:

1. Chairman BOM/ GM/ Head, W&A Division NESPAK, Lahore.
2. Deputy Team Leader BWRDSP, 160 Airline Society, Khayaban-e-Jinnah, Lahore.
3. Project File.



**OFFICE OF THE
PROJECT DIRECTOR
CONSTRUCTION OF 100 DAMS IN
BALOCHISTAN**



OLD WORKSHOP, NEAR CHAMAN RAILWAY CROSSING, JAFFAR KHAN JAMALI ROAD, QUETTA.
PH:92-81-9202545 Fax:92-81-9202544 Email: pd.100dams@gmail.com

PDD/ 5340-46

DATE 03/02/2023

To,

✓ M/S GEO-CRUST,
Government Contractor, Islamabad.

Subject:

NOTIFICATION OF AWARD FOR CONTRACT "GEO-TECHNICAL
INVESTIGATIONS FOR DAMS IN SOUTH ZONE CONSTRUCTION OF 100 DAMS
IN BALOCHISTAN PACKAGE-IV".
Letter of Acceptance.

This is to notify you that your Bid dated 14-12-22 consisting of Price Bid for execution of "Geotechnical investigations of Dams in South Zone Construction of 100 Dams in Balochistan Package-IV" for the accepted contract amount equal to 34.3082 million (thirty-four point three thousand and eighty-two), as corrected and modified in accordance with the instructions to Bidders is hereby accepted by the competent authority.

You are requested to furnish the performance security within 28 days in accordance with conditions of the contract in the shape of Bank Guarantee pay order or demand draft or bank or insurance bond by AA ranking insurance company. You are further required, pursuant to sub-clause IB-33 of Instruction to Bidders, to sign and return the contract agreement within 14 days after submission of performance security.

It may also be noted that Stamp Duty (@ 25 paisa per hundred) shall be payable on the contract price, at the time of signing of the contract, all in accordance with the Balochistan Act, 1995.

(KALEEM ULLAH BAZAI)
PROJECT DIRECTOR

Handwritten signature and date: 03/02/23

Copy to:

1. The Secretary, Irrigation Department, Government of Balochistan Quetta.
2. The Principal Contract Engineer (Dams), 100 Dams
3. The Deputy Project Engineer (North / South) 100 Dams.
4. The Team Leader RHC JV CAMEOS Consultants
5. The Office Manager, 100 Dams.
6. The Account Officer, Internal.



ENGINEERS, ARCHITECTS, PLANNERS, AGRICULTURE, SOCIAL DEVELOPMENT & HRD CONSULTANTS.

Ref. No-GC/2021/0604
Dated May 15, 2021

COMPLETION CERTIFICATE

It is certified that M/s GEOCRUST has successfully completed Geotechnical Investigation of Sukleji Dam, District Kachhi, Balochistan including field testing, laboratory testing, and complete report with recommendations.

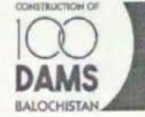
The GEOCRUST employed a very professional, competent and experienced team who were successfully carrying out the Geotechnical Investigation. Their performance is very satisfactory and I wish them success in their future projects and hope that they will continue to work in the same professional manner.


Wajid Saleem
Manager Business Development
Cameos Consultants

A circular blue ink stamp for CAMEOS CONSULTANTS. The outer ring contains the text 'CAMEOS CONSULTANTS' at the top and 'ISLAMABAD / QUEBEC' at the bottom. The inner ring contains 'Engineers, Architects & Planners'. In the center is the stylized 'C' and 'A' logo.



**OFFICE OF THE
PROJECT DIRECTOR
CONSTRUCTION OF 100 DAMS IN
BALOCHISTAN**



OLD WORKSHOP, NEAR CHAMAN RAILWAY CROSSING, JAFFAR KHAN JAMALI ROAD, QUETTA.
PH: 92-81-9202545 Fax: 92-81-9202544 Email: pd.100dams@gmail.com

PDD/ 3770-75

DATE 12 / 05 / 2022

To,

M/S Geo Crust,
Government Contractor.

Subject:

NOTIFICATION OF ACCEPTANCE/ COMMENCEMENT FOR CONTRACT
"GEOTECHNICAL INVESTIGATION OF KUCHNAI DARA DAM DISTRICT
QUETTA" PACKAGE-III OF 100 DAMS PROJECT.
Notice to Commencement of works.

Your bid for above captioned contract amounting Rs. 1.950 Million (Rupees Nineteen Lac fifty thousand only) being the final contract price is accepted by the Competent Authority.

You are now advised to commence the work within seven (7) days following receipt of this commencement order and proceed with the execution of works strictly in accordance with the contract agreement, conditions of contract, technical specifications etc as laid down in the contract documents Volume-I. The bill of quantities for Rs. 1,950,000/- as contained in the Volume-I of the contract documents forms part of this commencement order.

As per contract agreement, M/S RHC J/V AGES has been appointed for detail supervision of sub projects and Chief Resident Engineer will act as "Engineer", who will be responsible for supervising the execution of work and administering the contract, whilst site Engineer is deployed to supervise the day to day construction activities at site. Resident Engineer and Assistant Resident Engineer will assist the Chief Resident Engineer in carrying out his assignment.

It may also be noted that Stamp Duty (@ 25 paisa per hundred) shall be payable on the Contract Price, which comes out to Rs. 4875/- in your case, at the time of signing the Contract, all in accordance with the Balochistan Revenue Act, 1995.


(KALEEM ULLAH BAZA)
PROJECT DIRECTOR

Copy to:

1. The Secretary, Irrigation Department, Government of Balochistan Quetta.
2. The Chief Resident Engineer Consultant 100 Dams.
3. The Principal Contract Engineer (Dams), 100 Dams
4. The Deputy Project Engineer (North) 100 Dams.
5. The Account Officer, Internal.



**URBAN
DWELLINGS**

MEMORANDUM OF UNDERSTANDING

The memorandum of understanding (MOU) is made and entered into as of
Friday April 9th 2021.

Between Party A: GEO CRUST
Office No. 4, 1st Floor, Plaza No. 8, E-11/3, Islamabad

And Party B: DAO PropTech Pvt. Ltd
23-A Business Bay, DHA Phase 1, Islamabad

Purpose: The purpose of this MOU is to demonstrate the trust and to confirm the future
collaboration between both parties.

Understandings: This MOU is specifically signed for the collaboration efforts needed for the planning
and construction of Urban Dwellings, a construction project planned on plot # 6,
Bahria Oriental Garden, Islamabad.

For GEO CRUST

Name & Designation

Waqar Ahmad Sr. Geologist

Signature & Date

[Signature]

For DAO PropTech Pvt. Ltd

Name & Designation

James Biazus (CSO)

Signature & Date

[Signature] 09/4/2021

23-A, BUSINESS AVENUE,
DHA-1 SECTOR F, RAWALPINDI.
PH: +92 314 326 7767

ud@daoproptech.com

 <p>PUNJAB REVENUE AUTHORITY</p>		<p>PUNJAB REVENUE AUTHORITY</p>	
<p>GATE WAY TO DEVELOPMENT</p>		<p>Government of Punjab</p>	
<p>REGISTRATION CERTIFICATE</p>		<p>NO. 000775</p>	
<p>(Punjab Sales Tax on Services)</p>		<p>14 MAR 2022</p>	
PNTN	5187376-1	REGISTRATION DATE:	
NAME	GEO CRUST	GEOCRUST	
BUSINESS NAME	FLAT NO 04, PLOT NO 08, STREET NO 36, PLAZA NO 08, E-1, 3 ISB, ISLAMABAD		
BUSINESS ADDRESS	AOP		
CATEGORY	ACTIVE		
STATUS	N/A	REG/INC. NO.	N/A
CNIC NO.	TECHNICAL SCIENTIFIC & ENGINEERING CONSULTANT INCLUDING TECHNICAL INSPECTION AND CERTIFICATION SERVICES,		
PRINCIPAL ACTIVITY			
OTHER ACTIVITIES			


OMER FAROOQ
 Enforcement Officer
 Punjab Revenue Authority
 Government of the Punjab

This certificate shall be prominently displayed at a conspicuous place of the premises where business or economic activity about taxable services are being carried out. PNTN certificate is also required to be indicated on the signboard.

NOTE: The PNTN must be written on all returns, payment call, invoices, letter heads, advertisements, etc. and all correspondence made with the Punjab Revenue Authority.





Management System Certification Body No.MSCB-108

CERTIFICATE

GLOBAL INTER
No. 21-A-1146 Rev.0

GEOCRUST

Office # 04, 1st Floor, Plaza No. 08, E – 11 / 3, Islamabad, Pakistan.

Company Reg. No.: 4365953-5

has documented and implemented system in compliance with the requirements of

ISO 9001:2015

Quality Management Systems

for

Geotechnical Investigations, Drilling, Coring of Rocks, Concrete Coring, Grouting, Geological Mapping, Electrical Resistivity Survey, Geophysical Survey, Topographical Survey, In-situ Direct Shear Testing, Permeability Testing / Lugeon Value Test, Plate Load Test, Pile Load Test, Feasibility Study of Different Geotechnical Engineering Projects.

The certificate is issued on the basis of the results mentioned in the pertinent audit report. Validity of the certificate is conditionally limited by positive results of surveillance audits, which the certified company is committed to undergo.

This certificate can be invalid if the certificate holder does not fulfill the conditions set out in the certification agreement.



Initial issue date: Nov. 05. 2021
 Expire date: Nov. 04. 2024

Tyrone Dyse
 Tyrone Dyse
 Head of Certification Body

904 E. Windsor Road #102, Glendale, CA 91205, U.S.A.
<http://www.gicert.org/>



Government of Pakistan
Federal Board of Revenue
Inland Revenue Services

TAXPAYER REGISTRATION CERTIFICATE

(Under Section 181C of the Income Tax Ordinance 2001)

Registration No.	5187376	 5187376
Date of Registration	13-Dec-2018	
Type of Person	Association of Persons	
Formation Date	15-Aug-2017	
Name	GEO CRUST	
Address	Office no. 4, Plaza no. 8, 1st Floor, Farhan Arcade, E-11/3, Islamabad	
Tax Office	RTO QUETTA	
Activity Type	Business	



Inland Revenue Service

This is a computer generated certificate and, hence, no signatures are required.

Displaying of Taxpayer Registration Certificate is mandatory as provided under section 181C of Income Tax Ordinance 2001.

This is not a valid evidence of being a "filer" for the purposes of clauses (23A) and (35C) of sections 2 and 181A of the Income Tax Ordinance 2001.





051 111 772 772

Date of Print 23-Apr-2024

helpline@fbr.gov.pk
www.fbr.gov.pk

PARTNER IN PROGRESS ▶▶▶



GOVERNMENT OF BALOCHISTAN

Balochistan Revenue Authority

BALOCHISTAN SALES TAX REGISTRATION CERTIFICATE

Issued Under Section 25 Sub Section-1 (a,b & c)
Of Balochistan Sales Tax On Services Act, 2015

Balochistan Sales Tax Registration No.: 510336-1

Name of the Registered Person: GEOCRUST

Business Name (s): GEOCRUST

Tariff Heading & Principal Service: TECHNICAL, SCIENTIFIC AND ENGINEERING CONSULTANTS

Tariff Heading & Other Taxable Services: GEOLOGICAL LABORATORIES
PUBLIC RELATION SERVICES

CNIC / Reg. or Inc. Number: _____ Status: ADP

Address: PLOT NO. 105 STREET NO. 85 FARHAN ARCADE, SECTOR FT-1/3, GUDA SHARIF, ISLAMABAD,
DISTT. ISLAMABAD, CAPITAL TERRITORY

Phone No.: +92 322 448877 E-mail: geocrust.finance@gmail.com

Date of Issue of this Certificate: 23-APR-2024

NOTE: THIS CERTIFICATE IS PROVISIONAL AND IS VALID FOR 03 MONTHS FROM DATE OF ISSUE OF THIS CERTIFICATE

This Certificate shall be prominently displayed at a conspicuous place of the premises in which business is carried on



RGCRT-042024-1504433-0

			
PRA REGISTRATION CERTIFICATE			
		 5187376	
PNTN	5187376-1		
Registration No.	5187376		
Date of Registration	10-Mar-2022		
Name	GEO CRUST		
Type	Association of Persons		
Business Name			
Business Address	FLAT NO 04, PLOT NO 08 STREET NO 36, PLAZA NO 08, ISLAMABAD E-11/3 ISB , Islamabad , Islamabad , Islamabad		
Category	Service Provider		
Inc. /Reg No			
Commissionerate	Lahore Commissionerate		
Principal Activity			
Other Activities			
Status	Active	As on	
<p>This is a computer generate certificate and, hence, no signatures are required.</p> <p>This certificate shall be prominently displayed at a conspicuous place of the premises in which business or work for gain is carried on.</p> <p>NTN certificate is also required to be indicated on the signboard.</p>			
 042-99205476-77  042-99205716  042-99205481			
 eSupport@pra.punjab.gov.pk  https://e.pra.punjab.gov.pk			
			Date of Print 01-Feb-2024



GOVERNMENT OF SINDH



SINDH REVENUE BOARD

SINDH SALES TAX REGISTRATION CERTIFICATE

Issued under section 24, 24A & 24B of the Sindh Sales Tax on Services Act, 2011
read with rules 5 & 6 of the Sindh Sales Tax on Services Rules, 2011, 2022

Sindh Sales Tax Registration No.: 55187376-1

Name of the Registered Person: GEO CRUST

Business Name (s): GEO CRUST

Tariff Heading & Principal Service: 9815.5000: SERVICES PROVIDED BY TECHNICAL, SCIENTIFIC AND ENGINEERING CONSULTANTS.

Tariff Heading & Other Taxable Services: 9839.0000: ERECTION, COMMISSION AND INSTALLATION SERVICES
9809.0000: SERVICES PROVIDED OR RENDERED BY PERSONS ENGAGED IN CONTRACTUAL EXECUTION OF WORK OR FURNISHING SUPPLIES.

CNIC / Reg. or Inc. Number: _____ Status: AOP

Address: FLAT NO. 21, EXECUTIVE HEIGHTS, HILAL ROAD, F-11/1, F 11/ 1 , ISLAMABAD,
DISTT: ISLAMABAD, CAPITAL TERRITORY

Phone No.: +92,307,8908742 E-mail: geocrust.finance@gmail.com

Date of Issue of this Certificate: 23-APR-2024

NOTE: THIS CERTIFICATE IS PROVISIONAL AND IS VALID FOR 04 MONTHS FROM DATE OF ISSUE OF THIS CERTIFICATE

This Certificate shall be prominently displayed at a conspicuous place of the premises in which business is carried on



RGCRT-042024-5444714-0

Initial Date of Registration in PEC: May 11, 2015



Scan QR code to view details.



Serial No. 556546
PEC-11

PAKISTAN ENGINEERING COUNCIL
 Licence No: 14192 Category: C5/E Validity: 30 June, 2024
LICENCE OF PAKISTANI CONSTRUCTOR/OPERATOR
 (Under the bye-laws of Pakistan Engineering Council 1987)

This is to certify that M/s **GEOCRUST** (Licencee), with its registered office at **FLAT#4, PLAZA#8, E-11/3 MARKAZ,, ISLAMABAD ISLAMABAD** have been licenced under Construction and Operation of Engineering Works Bye-laws 1987, until the validity date to construct/operate engineering works, the construction/capital cost of which does not exceed Rs. 65 (SIXTY FIVE) million provided the licencee fulfils all the qualification requirements prescribed by Client or Employer for a particular engineering work; and subject to the licencee continuing to fulfill all the requirements of the bye-laws.

Field of Specialization **CE01 - CE04 (Irrigation Only) - CE09 - CE10 - (FOUR ONLY)**
 (Specialization Code Nos. for detail see overleaf)

Date of Issue: Sep 2, 2023
(Islamabad)





Registrar
Pakistan Engineering Council,
Islamabad.

Note:

1. If a firm does not get renewal of its licence within a year after expiry of its licence, the firm may be renewed after payment of outstanding fee if entire defaulting period plus surcharge at the rate of 5% of defaulting fee amount, or as prescribed from time to time.
2. The employer must ensure employment of engineers whose names are mentioned on backside of the licence. The Consulting Engineer (the Engineer Incharge in case the consultant is not appointed) shall monitor the number of engineers employed by the Constructor/Operator and inform the Council accordingly.
3. Owner(s) of the firm shall be held responsible, if any information, document or paper submitted by him/them is found incorrect or forged.

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