MD AFTABUR RAHMAN, *Ph.D., M. ASCE*
House No: 74, Flat: 8A, Road: 01, Hillview Housing Society, Chattogram, Bangladesh
+8801708519273 | maftabur@cuet.ac.bd | maftabur@gmail.com
https://www.linkedin.com/in/md-aftabur-rahman/ | https://orcid.org/0000-0002-3970-8941

CAREER SUMMARY

- A Ph.D. in Engineering with a specialty in Geotechnical & Foundation Engineering.
- Experienced in academia as a faculty member of a national university in Bangladesh for more than fifteen years (more than eight years at the tertiary level).
- Published scholarly articles and contributed to academia through supervision, review, and editing proceedings.
- Experienced in rendering professional geotechnical and foundation engineering services, having been an expert member in many nationally important projects.
- Excellent communication and social interaction skills.

EDUCATION

Yokohama National University
Ph.D. (Geotechnical Engineering) | 2016-09-16 | Dissertation: Ascertaining a hands-on approach to estimate debris flow velocity for rational mitigation of debris hazard.

Saitama University
M. Engineering (Geotechnical Engineering) | 2013-03-22 | Thesis: Analysis of buried pipeline subjected to fault displacement: A DEM & FEM simulation.

Chittagong University of Engineering & Technology
B. Sc (Civil Engineering) | 2008-09-11 | Ranked 1/97

WORK EXPERIENCE

Chittagong University of Engineering & Technology
Faculty Member, Department of Civil Engineering | Since 2008-11-10 (Professor since 2021-12-08)

Undergraduate and postgraduate classes of geotechnical engineering, # Research in geotechnical engineering, # Testing and Consultancy under the Bureau of Research, Testing & Consultation (BRTC) of CUET.

PUBLICATIONS

Journals

1. Nomura F, Konagai K, **Rahman MA**, Tajima Y (2024). Mud-mark-based estimations of mass-wasting processes caused by the 2008 Iwate-Miyagi Nairiku Earthquake, Japan. Progress in Landslide Research and Technology, 3(1),
2. **Rahman MA**, Tabassum N, Islam MR (2021) Seismic Slope Failures: A Numerical Investigation by the Smoothed Particle Hydrodynamics (SPH). Innov. Infrastruct. Solut. (Article in press)
3. Debanath OC, **Rahman MA**, Chowdhury SA, Ahmed RU, Hassan SN, Roy E (2021) Effect of fly-ash on the strength development of coastal soils – a case study for the southern coastal zone of Bangladesh. Malaysian J. Civ Eng. 33(1): 9-14, DOI: 10.11113/mjce.v33.16233
4. **Rahman MA**, Tabassum N, Islam MR (2021) Different aspects of slope failures considering large deformation: application of Smoothed Particle Hydrodynamics (SPH). Innov. Infrastruct. Solut. 6, 37, DOI: 10.1007/s41062-020-00405-9
5. Sheikh MR, Nakata Y, Tashita T, **Rahman MA**, Tusar MAU (2021) Assessment of Rainfall Triggering Landslide in Chittagong Area of Bangladesh from the Geotechnical and Geomorphological Perspective. Timorese Academic Journal of Science and Technology, Vol. 4: 9-21
6. Islam MR, **Rahman MA**, Hayano K (2020) Application of smoothed particle hydrodynamics (SPH) for simulating various geotechnical problems. SN Appl Sci 2:687, DOI: 10.1007/s42452-020-2379-y
7. **Rahman MA**, Ahmed S, Imam MO (2020) Rational Way of Estimating Liquefaction Severity: An Implication for Chattogram, the Port City of Bangladesh. Geotech Geol Eng 38:2359–2375, DOI: 10.1007/s10706-019-01134-2
8. Islam MR, Hayano K, **Rahman MA** (2019) Insights into effects of seepage on failure of breakwater mound: Experimental and Numerical investigations. Indian Geotech J 49:531–542, DOI: 10.1007/s40098-019-00356-8
9. **Rahman MA**, Konagai K (2018) A hands-on approach to estimate debris flow velocity for rational mitigation of debris hazard. Can Geotech J 55:941–955, DOI: 10.1139/cgj-2017-0211
10. **Rahman MA**, Konagai K (2017) Substantiation of debris flow velocity from super-elevation: a numerical approach. Landslides 14:633–647, DOI: 10.1007/s10346-016-0725-3

11. Konagai K, Pokhrel RM, Ikeda T, Shiga M, **Rahman MA**, Okuda H (2016) Follow-up report of damage caused by the Gorkha Earthquake, Nepal, of April 25 th , 2015. JSCE J Disaster FactSheets
12. **Rahman MA**, Hashimoto T, Konagai K (2015) An attempt for velocity estimation of Nebukawa Debris flow triggered by the Great Kanto Earthquake, 1923. J Japan Soc Civ Eng Ser A1 (Structural Eng Earthq Eng 71:I_387-I_394, DOI: 10.2208/jscejseee.71.i_387
13. **Rahman MA**, Taniyama H (2015) Analysis of a buried pipeline subjected to fault displacement: A DEM and FEM study. Soil Dyn Earthq Eng 71:49–62, DOI: 10.1016/j.soildyn.2015.01.011
14. Ullah MS, **Rahman MA** (2015) Evaluation of different aspects of recycled aggregate and recycled aggregate concrete. Malaysian J Civ Eng 27:479–488
15. **Rahman MA**, Ullah MS (2012) Seismic risk assessment using different soil conditions. Can J Environ Constr Civ Eng 3:47–51
16. Islam MM, Islam MS, **Rahman MA**, Das A (2011) Strength behaviour of mortar using slag as partial replacement of cement. MIST J GALAXY 3:, DOI: 10.3329/mist.v3i0.8053

Proceedings

17. Mahmud MF, Chowdhury A, **Rahman MA** (2024). Rational application of analytical solutions in the estimation of bearing capacity. Proceedings of the 7th International Conference on Civil Engineering for Sustainable Development (ICCESD).
18. Mamun MA, Hassan MR, Banu MM, **Rahman MA** (2024). Sand-geopolymer mixture on strength development of soft soils: an experimental investigation. Proceedings of the 7th International Conference on Civil Engineering for Sustainable Development (ICCESD).
19. Minhajunnabi M, **Rahman MA**, Debanath OC (2022). Field performance and numerical evaluation of diaphragm wall at multi-lane road tunnel under the River Karnaphuli in Bangladesh. Proceedings of the 6th International Conference on Civil Engineering for Sustainable Development (ICCESD), ISBN 978-984-35-1972-6, ICCESD-2022-4116: 1-6.
20. Nabi MH, Acharjee S, Banu MM, **Rahman MA** (2023). Effect of geopolymer contents on strength development of soft soils. Proceedings of International Conference on Planning, Architecture and Civil Engineering, PP: 554-559.
21. Hossain, MN, Ahamed SI, Debanath OC, **Rahman MA** (2022). Geopolymer stabilization of soft soil for road construction: Bangladesh perspective. Proceedings of ICRICE, Paper ID 63.
22. Taj TH, Rahman F, Islam MR, **Rahman MA**, Hossain MI, Hossain SA, Islam MM (2022). Alkali activated fly ash and slag combination for soil cement mixing piles. Proceedings of International Conference on Transportation and Development, PP: 133-142.
23. Das S, **Rahman MA**, Farooq SM (2021). Response analysis of buried pipeline under seismic action: A numerical study. Proceedings of International Conference on Planning, Architecture and Civil Engineering, PP: 1-6
24. Islam S, Islam H, Debanath OC, **Rahman MA**, Farooq SM (2021). Justification of residue material in ground improvement of coastal soils: an application of coir fiber. Submitted to the 7th International Conference on Structure, Engineering & Environment (SEE), Pattaya, Thailand, ISBN: 978-4-909106070 C3051.
25. Das S, **Rahman MA**, Farooq SM (2020) Buried pipeline under seismic excitations: a review. In: Proceedings of the 5th International Conference on Civil Engineering for Sustainable Development (ICCESD 2020). pp 1–9
26. Tabassum N, **Rahman MA**, Islam MR (2020) Parametric sensitivity in large deformation analysis by Smoothed Particle Hydrodynamics (SPH). In: Proceedings of the 5th International Conference on Civil Engineering for Sustainable Development (ICCESD 2020). pp 1–11
27. Debanath OC, **Rahman MA**, Farooq SM (2019) Use of fly ash based geopolymer for stabilization of expansive soil. 9th Int Conf Geotech Constr Mater Environ 344–347
28. Tabassum N, **Rahman MA**, Islam MR (2019) Evaluation of numerical approach in slope stability analysis considering large deformation of geo-materials. In: 9th Int. Conf. on Geotechnique, Construction Materials and Environment. pp 96–101
29. Tabassum N, **Rahman MA**, Uddin MN, Singha P (2019) A geostatistical approach to develop the soil zonation map: an application for Chattogram city. In: 9th Int. Conf. on Geotechnique, Construction Materials and Environment. pp 102–106
30. Rahman MS, Farooq SM, **Rahman MA** (2018) Improvement of soft soil by physical and chemical interaction. In: 4th International Conference on Advances in Civil Engineering 2018 (ICACE 2018). pp 368–373
31. Sarker A, Iqbal MB, Rahman MM, A-Noor, MC, **Rahman MA**, Islam MR (2018) Optimum fly ash to increase the strength of subgrade. In: 4th International Conference on Advances in Civil Engineering. pp 828–833
32. **Rahman MA**, Konagai K (2017) Rational way to estimate velocities of earthquake-induced debris flow from super-elevations. In: 16th World Conference on Earthquake Engineering. pp 1–8

33. **Rahman MA**, Konagai K (2016) A numerical curved flume test for debris flow velocity estimation: justification of using super-elevation. In: 18th International Summer Symposium. pp 41–42
34. **Rahman MA**, Hashimoto T, Konagai K (2014) An attempt for velocity estimation of Nebukawa debris flow triggered by the Great Kanto Earthquake, 1923. In: 34th Earthquake Engineering Symposium of JSCE. pp 1–8
35. **Rahman MA**, Taniyama H (2013) Analysis of buried pipeline owing to reverse fault movement accounting for soil-pipe interaction. In: 68th JSCE Annual Meeting
36. **Rahman MA**, Taniyama H. Response analysis of strike-slip fault movement on buried pipeline. Asian Conf. Civil, Mater. Environ. Sci., 2013, p. 78–89.
37. **Rahman MA**, Taniyama H (2013) Response analysis of buried pipeline subjected to earthquake faulting : A DEM and FEM simulation. In: 13th Japan Symposium on Rock Mechanics & 6th Japan-Korea Joint Symposium on Rock Engineering. pp 829–833
38. Rahman MA, Taniyama H (2012) Numerical analysis of buried pipeline subjected to fault displacement. In: 5th ADB-JSP Scholar's Research Forum. pp 24–26
39. **Rahman MA**, Ullah MS (2012) Assessment of seismic vulnerability using different site conditions. In: 1st International Conference on Civil Engineering for Sustainable Development

GRANTS

DRE, CUET | Prediction of Liquefaction Susceptibility by Machine Learning: An Application for Chattogram Metropolitan Area | USD 3500
DRE, CUET| A regional scale evaluation for Chittagong Hill Tracts by Machine Learning and Slope Stability Analysis | USD 3000
UGC, Bangladesh | Substantiation of Deep Soil Mixing for Ground Improvement using Locally Available Materials and Machinery | USD 2800.
DRE, CUET | An Approach to Estimate Landslide Susceptibility in Chittagong Hill Tracts | USD 3600
DRE, CUET | Geotechnical Characterization of Soils in Chittagong: A Case Study | USD 3580
DRE, CUET | Development of mesh free particle method for slope stability analysis | USD 1320
DRE, CUET | Prospect of fly ash to stabilize coastal soils of Chattogram | USD 2000

GRADUATE SUPERVISION

1. Nafisa Tabassum | M. Sc Engineering | Title: Development of a mesh free particle method for slope stability analysis considering soil non-linearity. ***(Principal supervisor)***
2. Sabekun Naher | M. Engineering | Prospect of an eco-friendly ground improvement approach: A case study for coastal soils. ***(Principal supervisor)***
3. A S M Tanvir | M. Sc Engineering | Experimental study on geopolymer stabilized expansive soil as subgrade material in road construction. ***(Co-supervisor)***
4. Sharif Ali Hossain | M. Sc Engineering | An investigation of geopolymer stabilized cement deep mixing (CDM) piles for road embankments on weak soils. ***(Co-supervisor)***
5. Sanjoy Das | M. Sc Engineering | A parametric evaluation of buried pipeline subjected to seismic excitations. ***(Co-supervisor)***

ACADEMIC ENGAGEMENTS

Reviewer (Journals) | Landslides | Acta Geotechnica | Geotechnical and Geological Engineering | Bulleting of Engineering Geology |Geomatics, Natural Hazards and Risk| Geomate Journal
Associate Editor |Proceedings of 3rd ICACE-2016, CUET, Bangladesh

LEADERSHIP EXPERIENCE

Secretary, Scientific, and Technical Committee
5th International Conference on Advances in Civil Engineering (ICACE-2020)
 # Collaborate with the IT team to set up the editorial system, # Assist as a member of the editorial board to coordinate the submission and review process, # Contribute to document preparation for Springer acceptance for book series, # Contribute to selecting papers for Springer book series

Secretary, Organizing Committee
4th International Conference on Advances in Civil Engineering (ICACE-2018)
 # Collaborate with all sub-committee for the successful operation of ICACE – 2018

Test-in-charge, BRTC (Department of Civil Engineering)
Chittagong University of Engineering & Technology, Chattogram-4349, Bangladesh
 # Coordinate testing office of Dept. of CE, # Assign tests to concerned expert, # Communicate with clients for testing & consultancy, # Overall supervision of testing quality

SKILLS & INTERESTS

Computer Skills: Office Package, MATLAB, FORTRAN, C, PLAXIS, Adobe Illustrator
Key Skills: Analytical and numerical modeling of geo-mechanics, algorithm development, time management, communication
Interests: Contribute to analysis & design of geotechnical problems, hands-on research for the development of society, Counselling

AWARDS & FELLOWSHIPS

- Best Paper Award (Geotechnical) |2020 | 5th ICCESD-2020
- Engr. Khorshed Anwar Memorial Award |2009 | For Securing 1st in B.Sc (Civil Engg.), Bangladesh
- Monbukagakusho (MEXT) Fellowship | 2013-2016 |For Ph.D. Study at Yokohama National University
- ADB-JSP Fellowship |2011-2013 | For M. Engineering Study at Saitama University
- Technical Board Scholarship |2004-2008 | For Excellent Results in B.Sc (Civil Engg.), Bangladesh

PROFESSIONAL ENGAGEMENT

As an expert member of BRTC, CUET

- Sub-soil investigation works for various national projects (for example, Naf tourism park, water supply project, etc.)
- Investigation for structural assessment of several residential, industrial, and government buildings
- Geotechnical analysis for different projects (for example, design checking of MSE earth wall)
- Design and supervision of Inland Container Depot (ICD)

As an Individual Consultant

- Team leader for a number of sub-soil investigation projects for national and international clients (for example, Nippon Koei Ltd., DMEC, Korea, Power China, etc.)
- Contributing to evaluation and report writing for a number of topographical survey projects
- Foundation design of a number of residential and industrial buildings
- Ground improvement analysis and design
- Wastewater Quality Analysis

MAJOR PROFESSIONAL WORKS

As a consultant (expert member) of the Bureau of Research, Testing, and Consultation, CUET

(Geotechnical Investigation/Analysis)

1. Design vetting of slope stability of Baizid Link Road. | Client: Chattogram Development Authority (CDA).
2. Sub-soil investigation for new UF-85 tank at Kafco, Rangadia, Anowara, Chattogram. | Client: Karnaphuli Fertilizer Company Limited (KAFCO)
3. Sub-soil investigation report for construction of cable car in Naf Tourism Park at Teknaf, Cox's Bazar. | Client: Bangladesh Economic Zone Authority (BEZA)
4. Sub-soil investigation for CUET IT business incubator. | Client: Bangladesh Hi-Tech Park Authority.
5. Sub-soil investigation for a bridge project at Mirsarai Economic Zone, Chattogram. | Client: Bangladesh Economic Zone Authority (BEZA)
6. Sub-soil investigation for Chittagong Chemical Industries Limited at Sitakund, Chattogram. | Client: Chittagong Chemical Industries Limited.
7. Geotechnical laboratory testing for Installation of Single Point Mooring (SPM) with Double Pipe Line Project. | Client: China Petroleum Pipeline Engineering Company, China
8. Slope protection of BSRM Sub-Station at Khulshi, Chattogram. | Client: BSRM Limited.
9. Foundation design vetting of academic buildings of Bangabandhu Sheikh Mujibur Rahman Maritime University. | Client: Bangabandhu Sheikh Mujibur Rahman Maritime University (BSMRMU)
10. Design vetting of Mechanically Stabilized Earth (MSE) wall for Chittagong City Outer Ring Road project. | Client: Spectra Engineering Limited.
11. Report on collapse of CGS retaining wall at Mirsarai Economic Zone, Chattogram. | Client: Karnaphuli Gas Distribution Company Limited (KGDCL)
12. Structural integrity assessment of multiple dams at Sitakund, Chattogram. | Client: Abul Khair Steel Melting Limited.
13. Hydrology and morphological study for planning and design of road bridge on Sangu River under Bandarban District. | Client: Chattogram Hill Tract Boards
14. Design of water supply system of two areas (CRB and Pahartali) and vetting of water treatment plant (100 cum per day) at CRB, Chattogram. | Client: Bangladesh Railway.
15. Assessment of structural capacity of New Mooring Container Terminal for operation of LHM-425 Mobile Harbour Crane. | Client: Chattogram Port Authority.

(Design/Detailed Assessment)

16. Design of an Inland Container Depot at Alongkar Mor, Chattogram. | Client: A K Khan and Company Limited.
17. Detailed Engineering Assessment (DEA) for three-storied industrial building at Sagorika, Chattogram. | Client: Vintage Textile Limited.
18. Structural design vetting of retaining wall for Sheikh Kamal IT Incubator at Bandarban, Bangladesh. | Client: Bangladesh Hi-Tech Park Authorit
19. Structural design vetting of dome of Sheikh Kamal IT Training and Incubation Center. | Client: Bangladesh Hi-Tech Park Authority.
20. Structural design vetting of Balu Bridge at Dhaka. | Client: 24 Engineer Construction Brigade, Bangladesh Army.
21. Vetting of three-storied operator building at Bangabandhu Shilpo Park, Mirsarai, Chattogram. | Client: Karnaphuli Gas Distribution Company Limited (KGDCL)
22. Structural design vetting of four-storied utility building for Deluxe Fashion at Chattogram DOHS, Chattogram. | Client: Cantonment Executive Office.
23. Investigation (Preliminary) Report
24. Preliminary investigation report for the office building of Summit Alliance Port Limited (SAPL) at Kathgor, Chattogram. | Client: Summit Alliance Port Limited (SAPL)
25. Preliminary investigation report for Gunners' English School at Halishahar Cantonment, Chattogram. | Client: Bangladesh Army.
26. Preliminary investigation report for the factory building of Eastern Cables Limited at North Patenga, Chattogram. | Client: Eastern Cables Limited.
27. Preliminary investigation and justification of demolition of part of Chittagong Bar Association Building at Court Building Road, Chattogram. | Client: Chattogram District Bar Association.
28. Preliminary investigation of the present condition and possible remedial measures for T-76, T-97, T-100 and P-159 Hangers at BAF Zahurul Haq Base, Chattogram. | Client: Bangladesh Air Force

(Supervision)

29. Supervision of static pile load test for Nafisa Apparels Limited at Kalurghat, Chattogram. | Client: Nafisa Apparels Limited.
30. Supervision of static pile load test for sewerage treatment plant at Middle Halishahar, Chattogram. | Client: Taeyoung Engineering and Construction Company Limited.
31. Supervision of pile load test at Felix Fashions Limited, BSCIC I/A, Sagorika Road, Chattogram. | Client: Felix Fashions Limited.
32. Supervision of pile load test at Islam Pack and Accessories Limited, South Kattoli, Chattogram. | Client: Islam Pack & Accessories Limited.
33. Supervision of pile load test at Padma Oil Company Limited, Patenga. | Client: INN Engineering.

As an individual consultant (expert member)

(Sub-soil investigation)

1. Sub-soil investigation for Sewerage Network for PESSCM-1/W2. | Project Owner: CWASA | Client: Zhongnan-Sinohydro JV (Power China), China
2. Sub-Soil Investigation for feasibility Study for Chattogram Sewerage System Development (Catchment-6). | Project Owner: CWASA | Client: Nippon Koei Limited, Japan
3. Sub-soil investigation for Chittagong WASH improvement project. | Project Owner: CWASA | Client: Joint venture of SUEZ consulting (SAFEGE), France and Associates for Development Services Limited, Bangladesh.
4. Sub-Soil investigation for Proposed Sewerage Treatment Plant (STP) of CWASA at Middle Halishahar, Chattogram. | Client: Dhong Myeong Engineering Consultants & Architecture
5. Sub-Soil Investigation for Feasibility Study for Chattogram Sewerage System Development in Chattogram. (Catchment 2 & 4). | Project Owner: CWASA | Client: Nippon Koei Limited, Japan
6. Sub-Soil Investigation for Sewerage Network in Chattogram (Package – W3). | Project Owner: CWASA | Client: CCECC-TCEL-JV, China
7. Sub-soil investigation for the project "Rehabilitatioin of Polder's (67/A, 67, 67/B &68) along Border River of Naf for Improving Bangladesh-Myanmar Security" for construction of multiple regulators. | Client: Bangladesh Water Development Board (Cox's Bazar)
8. Sub-soil investigation for Patiya FCDI Project for construction of multiple regulators in Patiya, Chattogram. | Client: Bangladesh Water Development Board (Chattogram)
9. Sub-soil investigation (sample collection and in-situ testing) for establishment of an Inland Container Depot at Chattogram, Bangladesh. | Project Owner: A K Khan and Company Limited. | Client: Chittagong University of Engineering & Technology

10. Sub-Soil Investigation for Sewerage Network (Catchment-1, Package-W1), Chattogram. | Project Owner: CWASA | Client: ESOLVE International Limited
11. Sub-soil investigation for construction of seawall at Ch. 8+100 to 8+500 at Marine Drive Road, Cox's Bazar. | Client: 34 Engineering Construction Brigade (ECB), Bangladesh Army
12. Sub-soil investigation for construction of bridge at Ch. 19+250, Nalkata, Khagrachari-Panchari Road, Khagrachari. | Client: Roads and Highways Department (Khagrachari)
13. Sub-soil investigation for Construction of Tomru Bridge at Chainage 2+650km under Boarder Road (Rangamati, Khagrachari & Bandarban) Development Project at Ghumdhum, Bandarban. | Client: 34 Engineering Construction Brigade (ECB), Bangladesh Army
14. Sub-soil investigation for Construction of 6 Vent Drainage Regulator at the outfall of Krisho Khal along the right bank of Karnafuli River. | Client: 34 Engineering Construction Brigade (ECB), Bangladesh Army
15. Sub-soil investigation for Fully Covered Pre-Fabricated Steel Structured Bagged Urea Godown, Slope Protection and Wall Fencing, Road & Yard, and Service Building within KAFCO, Anowara, Chattogram, Bangladesh. | Client: Karnaphuli Fertilizer Company Limited (KAFCO)
16. Sub-soil investigation for multi-storied mixed-used building for Sena Kalyan Sangstha at Mehedibagh, Chattogram. | Client: Sena Kalyan Construction & Development Limited (SKCDL)
17. Sub-soil investigation for construction of over ground reservoir and water purification plant including ancillary works at Bandarban Cantonment, Bangladesh. | Client: Bangladesh Army
18. Sub-soil investigation for Construction of 22.89 m (1*21.340m) Long R.C.C. Girder Bridge at 17th (p) Km (Ch. 16 km+969.00m) of Rangamati (Ghagra)-Chandraghona-Bangalhalia-Bandarban Road (R-161) at Refugee Para, Rangamati. | Client: Roads and Highways Department (Rangamati)
19. Sub-soil investigation for construction of two no's RCC water reservoir (underground) including pump house near ESS-11 at Port Colony, Chattogram. | Client: Chattogram Port Authority
20. Sub-soil investigation for construction of 1lac gallon capacity overhead water tank with underground water reservoir near electric sub-station no-12 (flotila) at Abhaymitra ghat r/a, Chattogram. | Client: Chattogram Port Authority
21. Sub-soil investigation for bridge-01 over Ching-Chong Khal at Ch. 0+700 and bridge-02 over Kaptai Khal at Ch. 1+100 in Rangamati, Bangladesh. | Client: 34 Engineering Construction Brigade (ECB), Bangladesh Army
22. Sub-soil investigation for construction of ETP at Eastern Refinery Limited, Chattogram, Bangladesh. | Client: Eastern Refinery Limited
23. Sub-soil investigation for re-construction of jetty in the Chittagong Urea Fertilizer Limited at Anowara, Chattogram. | Client: Chittagong Urea Fertilizer Limited (CUFL)
24. Sub-soil investigation for evaluation of existing condition and prospective vertical extension of three-Storied training complex building at Eastern Refinery Limited, Patenga, Chattogram. | Client: Eastern Refinery Limited.
25. Sub-soil investigation for 3no 180m bridges at three locations (Bolipara, Kechopara, Betchora) in Bandarban. | Client: Chittagong Hill Tract Development Board
26. Sub-soil investigation for reconstruction of 1×40 meter span RCC box culvert at bridge no: 190; k.m. 8317-8 and bridge no: 191; k.m. 8613-4 between FJP-FNI station in Fajilpur, Feni. | Client: Bangladesh Railway
27. Sub-soil investigation for proposed re-building of bridge no -218 at k.m 122/5-6 in between station NOT-LKM by 1x4.0 meter span R.C.C box culvert (25 m.ton axle load modified broad gauge loading capacity) in place of 1x12 feet span R.C.C slab bridge on main line in STK-LKM section. | Client: Bangladesh Railway
28. Sub-soil investigation for re-building of bridge no -211 at k.m 122/5-6 in between station HAX-NKT by 1x4.0 meter span r.c.c box culvert (25 m.ton axle load modified broad gauge loading capacity) in place of 1x12 feet span r.c.c slab bridge on main line in STK-LKM section. | Client: Bangladesh Railway
29. Sub-soil investigation for construction of ground water reservoir & iron remover plant at CRB, chattogram. | Client: Bangladesh Railway
30. Sub-soil investigation for construction of railway station building at Chattogram university, chattogram. | Client: Bangladesh Railway
31. Sub-soil investigation for construction of industrial building for Labib Dyeing Mills at Gazipur, Bangladesh. | Client: Labib Group
32. Sub-soil investigation for proposed DSP line at Sadarghat, Chattogram. | Client: T. K. Group of Companies
33. Sub-soil investigation for construction of LPG plant at Khulna, Bangladesh. | Client: UNITEX Group
34. Sub-soil investigation for proposed construction of hospital building at Chakaria, Cox's Bazar & Chattogram. | Client: Parkview Hospital Limited
35. Sub-soil investigation for construction of industrial building at Maizzer Tek, Karnaphuli, Chattogram. | Client: T K Group of Companies

36. Sub-soil investigation for establishment of Perfect Care industry at Barobkunda, Chattogram. | Client: UNITEX Group (Perfect Care Limited)
37. Sub-soil investigation for construction of industrial building for Hong Kong Fashions Limited at Tongi, Gazipur, Bangladesh. | Client: Labib Group
38. Sub-soil investigation for construction of industry building for Nice Cotton Limited at Kashimpur, Gazipur. | Client: Labib Group
39. Sub-soil investigation for wastewater treatment plant at Rohingya Camp, Cox's Bazar | Client: BRAC
40. Sub-soil investigation for Proyash School at Chattogram Cantonment, Chattogram | Client: Bangladesh Army
41. Sub-soil investigation for construction of Saima Wazed utism Institute & Home and Bangomata Seikh Fazilatunnessa Mujib Old Home at Raozan, Chattogram. | Client: Chattogram Ma O Shishu Hospital
42. Sub-soil investigation for construction of EPIC-Lavenia at Bakalia, Chattogram. | Client: EPIC Properties Limited.
43. Sub-soil investigation for construction of multi-storied mosque for JMI industry at Barobkunda, Chattogram. | Client: JMI Industrial Gas Limited.
44. Sub-soil investigation for HS Composite Ltd. at Anowara, Chattogram | Client: UNITEX
45. Sub-soil investigation for Fourteen Storied mixed used building at Askar Dighir Par, Chattogram | Client: TK Group
46. Sub-soil investigation for Thirteen Storied apartment building at Badshah Miah Road, Chattogram | Client: EPIC Properties Ltd.
47. Sub-soil investigation for Chittagong Eye Infirmary and Training building of Chittagong Eye Hospital at Pahartali, Chattogram. | Client: Eye Hospital

(Feasibility study/topographic survey)

48. Trial excavation for feasibility study for Chattogram sewerage system development (catchment 6). | Project Owner: CWASA | Client: Nippon Koei Limited, Japan
49. Feasibility study of mini hydro prospects In Bangladesh. | Client: Ludwig Pfeiffer Hoch-und Tiefbau GmbH & Co. KG, Kassel, Germany
50. Estimation of Canal/Drain Depth Below Culvert Level at Different Points in Chattogram Metropolitan Area for Design of Sewer Network (Catchment-1). | Client: JV of Erinco-BETS-IWM
51. Topographic survey for AKK land at Batali Hill, Chattogram. | Client: A K Khan and Company Limited.
52. Topographic survey for establishment of an Inland Container Depot at Chattogram, Bangladesh. | Project Owner: A K Khan and Company Limited. | Client: Chittagong University of Engineering & Technology
53. Topographic Survey for Sewerage Network in Chattogram (Package – W3). | Project Owner: CWASA. | Client: CCECC-TCEL-JV, China
54. Topographic Survey for Feasibility Study for Chattogram Sewerage System Development (Catchment-6). | Project Owner: CWASA | Client: NK Urban Space Co. Limited, Japan
55. Topographic Survey for Sewerage Treatment Plant at Middle Halishahar, Chattogram. | Project Owner: CWASA. | Client: Dong Myeong Engineering Consultant & Architecture Co., Ltd
56. Topographic survey for feasibility study on integrated waste management system in Chattogram, Bangladesh. | Client: Yachiyo Engineering Company Limite, Japan
57. Topographic survey for AKK land at Batali Hills, Chattogram. | Client: A K Khan and Company Limited.
58. Topographic survey for Fully Covered Pre-Fabricated Steel Structured Bagged Urea Godown, Slope Protection and Wall Fencing, Road & Yard, and Service Building within KAFCO, Anowara, Chattogram, Bangladesh. | Client: Karnaphuli Fertilizer Company Limited (KAFCO)

(Detailed design/analysis)

59. Geotechnical analysis (Embankment) & ground improvement design for proposed 4-lane highway from Dharkhar to Akhaura | Client: Afcons Infrastructure Limited, India.
60. Analysis Report for Braced Cut Design for Launching Chamber (B-LINE 2nd Phase) for Bhandal Juri Water Supply Project of CWASA. | Client: Taeyoung Engineering & Construction Company Limited
61. Structural Design Review of Sewerage Treatment Plant at Middle Halishahar, Chattogram. | Project Owner: CWASA | Client: Taeyoung E & C
62. Analysis Report on Formwork (Supporting System) for Elevated Water Tank of Bhandaljuri Water Supply Project. | Client: Taeyoung E &C
63. Braced Cut Design for Launching Chamber (B-LINE 2nd Phase) for Bhandal Juri Water Supply Project of CWASA. | Client: Taeyoung E & C
64. Consultancy services for detailed engineering assessment of two schools in Chattogram, Bangladesh. | Client: Chattogram City Corporation.
65. Structural and foundation design of eight-storied school building for Proyash at Chattogram Cantonment | Client: Proyash School
66. Structural and Foundation design of six-storied Saint Mary's school building at Jamal Khan, Chattogram. | Client: Saint Mary's School Authority

67. Structural and Foundation design of nine-storied hospital building at Satkhira, Bangladesh. | Client: Doshomik Sthapoti
68. Structural and Foundation design of seventeen-storied mixed used building at Askar Dighir Par, Chattogram. | Client: TK Group
69. Structural and Foundation design of nine-storied mixed used building at Magura. | Client: Doshomik Sthapoti
70. Structural and Foundation design of nine-storied residential building at Khulshi, Chattogram. | Client: CODEC (NGO)
71. Structural and Foundation design of three-storied temple at Port Colony, Chattogram. | Client: Chittagong Port Authority
72. Structural design of five-storied mixed used building at Panchlaish, Chattogram. | Client: WELKINS

(Supervision)

73. Static Pile Load test for construction of multiple buildings in Sheikh Hasina Water Treatment Plant at Rangunia, Chattogram. | Project Owner: CWASA
74. Non-repetitive plate load test for Divine Design unit-2 at Khowaj nagar, Karnaphuli, Chattogram. | Client: Aerial Properties Limited.
75. Plate Load Test for development works for an Inland Container Depot at Alongkar, Chattogram. | Consultant: Department of Civil Engineering, CUET. | Client: A K Khan and Company Limited.
76. Consultancy Services for wastewater, sediment, and faecal sludge sample collection and testing at different locations of the Chattogram Metropolitan Area. | Project Owner: CWASA | Client: SEURECA VEOLIA
77. Water Quality Analysis for Feasibility Study for Chattogram Sewerage System Development (Catchments 2 & 4). | Project Owner: CWASA | Client: Nippon Koei Limited, Japan

REFERENCES

- Will be provided upon request.

Md Aftabur Rahman