

Curriculum Vitae (CV) of Razoyan Mahabub

1 PROPOSED POSITION	: Infrastructure and Climate Change Expert (K3), Independent Verification Agency (IVA) for the TVET Teachers for the Future (TTF) Program (Package No: DTE/TTF/S-04)			
2 NAME OF PERSON	: Razoyan Mahabub			
3 DATE OF BIRTH	: 15th November, 1988			
4 NATIONALITY	: Bangladeshi			
5 MEMBERSHIP IN PROFESSIONAL SOCIETIES	: - The Institute of Engineers (IEB) Bangladesh, LMIEB-48022 - ASHRAE Bangladesh Chapter - Bangladesh Geotechnical Society			
6 EDUCATION	: M.Sc. in Geotechnical Engineering (Ground Water Management), Technische Universität Bergakademie Freiberg, 2018 B.Sc. in Civil Engineering (Major Geotechnology, Minor Environment), Bangladesh University of Engineering and Technology, 2011			
7 TRAINING	: - International Workshop on “Seismic Liquefaction, Site Characterization & Design of Civil Structure” organized by BUET, Dhaka, Bangladesh from 19-20 December 2025. 14-week Professional Capacity Enhancement Course on “Environmental and Social Risks Management Project Life Cycle” offered by CoE, CERM of BUET in collaboration with the World Bank, Dhaka, Bangladesh from 18 February to 27 May 2023. - Training on “Project Cost Estimating, Budgeting and Value Engineering Skills”. from Society of Engineers, Dubai, United Arab Emirates in July’2020 (2 Weeks) - Training on “Heating, Ventilation & Air Conditioning (HVAC) System Design and Its application on Building” 10th August to 21st August 2016 at Engineering Staff College, Dhaka, Bangladesh. - Training on “Fire Fighting System (FFS), Fire Detection System (FDS) & Fire Safety Assessment (FSA)” 7th to 10th October, 2017 at IEB, Dhaka, Bangladesh - IUT-ACF Seminar on Sustainability and environment friendly consumption of Concrete, December 18, 2017, IUT, Gazipur. - Participatory Planning and Design Principle of Water Resource Project, BUET, Dhaka. December, 2016 - Training on, “Public Procurement Management (PPA 2006 & PPR 2008)” during 31 August -03 October, 2014. Professional Accreditation Program Strengthening Component of the Urban Resilience and environment friendly construction Program: RAJUK Part. June 2012.			
Computer Skills:	: Pipe Sizer, Duct Sizer, ETABS, STAAD PRO, ArcGIS (basic), Auto CAD, Geo Studio, Plaxis 2D, L Pile (Ensoft Pro), Processing & Visual Modflow, PhreeqC, Surfer, SWAT, HECRAS, MS Word, excel etc.			
8 LANGUAGES & DEGREE OF PROFICIENCY	: Languages	Speaking	Reading	Writing
	Bengali	Excellent	Excellent	Excellent
	English	Excellent	Excellent	Excellent
	German	Good	Excellent	Good
9 COUNTRIES OF WORK EXPERIENCE	: Bangladesh, Germany			

10	EMPLOYMENT RECORD	
	Employer 1: ASD Consultancy Services (ASDCS) Position held: Team Leader	From February 2026 to June 2026 Project Name: In-depth Monitoring of “Sherpur (Kanasakhola)–Bhimganj–Narayankhola–Rambhadrapur–Paranganj–Mymensingh (Rahmatpur) Road Development Project” Initiating Ministry/Division: Road Transport and Bridges Ministry / Road Transport and Highways Division. Implementing Agency: Roads and Highways Department (RHD). Project Value: 1,84,226.77 lakh Taka, funded by GOB. Implementation Period: Original 01/05/2022 to 30/06/2025; time extension without cost increase (1 time) 01/05/2022 to 30/06/2027. Project Area: Mymensingh Division – Mymensingh and Sherpur districts (Sherpur Sadar, Nakla and Mymensingh Sadar Upazila). Delivered actionable recommendations and In-Depth Monitoring report for project improvement and future planning under Implementation Monitoring and Evaluation Division (IMED), Planning Ministry supervision. Description of key responsibilities: - Developing monitoring plans, tools, and training programs for field teams (surveyors, supervisors, data managers). - Conducting physical verification and quality inspections of major works including road widening and strengthening, embankment, rigid and flexible pavement, RCC structures such as PC Girder Bridges and Culverts, hard shoulder and drainage structures, etc. - Reviewing procurement processes, contract compliance (PPA 2006, PPR 2008), bills, BoQ adherence, and material quality (e.g., bricks, cement, rebar). - Performing SWOT analysis and providing strategic recommendations, including exit plan reviews for future project planning. - Preparing and delivering technical reports and presentations to IMED, facilitating meetings, workshops, and stakeholder consultations.
	Employer 2: Data Development Services Ltd (DDSL) Position held: Civil Engineering Expert	From February 2026 to June 2026 Project Name: In-depth Monitoring of “Construction of Mini Stadiums at Upazila Level – 2nd Phase (1st Revised) Project” Initiating Ministry/Division: Ministry of Youth and Sports. Implementing Agency: National Sports Council. Planning Commission Sector: Socio-Economic Infrastructure Division. Project Value: 2,85,542.00 lakh Taka (1st Revised), funded by GOB. Implementation Period: Original July 2021 to June 2025; 1st Revised July 2021 to June 2027. Delivered actionable recommendations and In-Depth Monitoring report for project improvement and future planning under Implementation Monitoring and Evaluation Division (IMED), Planning Ministry supervision. Description of key responsibilities: - Developing monitoring plans, tools, and training programs for field teams (surveyors, supervisors, data managers). - Conducting physical verification and quality inspections of major works including RCC structures, gallery and pavilion, gallery sheds, boundary wall, internal roads, drainage and allied civil works of the upazila mini stadiums. - Reviewing procurement processes, contract compliance (PPA 2006, PPR 2008), bills, BoQ adherence, and material quality (e.g., bricks, cement, rebar). - Performing SWOT analysis and providing strategic recommendations, including exit plan reviews for future project planning. - Preparing and delivering technical reports and presentations to IMED, facilitating meetings, workshops, and stakeholder consultations.
	Employer 3: Project Promotions & Management Consultants (PPMC)	From February 2026 to June 2026 Project Name: In-depth Monitoring of “Urban Building Safety Project (2nd Revised)” Initiating Ministry/Division: Housing and Public Works Ministry. Implementing Agency: Public Works Department (PWD).

Position held: Civil Engineering Expert	Planning Commission Division: Physical Infrastructure Division. Project Value: 73,767.25 lakh Taka (2nd Revised) – GOB 12,281.42 lakh and JICA 61,485.83 lakh (original 57,171.99 lakh; cost overrun 29.03%, time overrun 46.67%). Implementation Period: Original January 2016 to June 2023; latest 2nd Revised January 2016 to December 2026. Project Location: Dhaka (Dhaka Metropolitan Area). Delivered actionable recommendations and In-Depth Monitoring report for project improvement and future planning under Implementation Monitoring and Evaluation Division (IMED), Planning Ministry supervision. Description of key responsibilities: • Developing monitoring plans, tools, and training programs for field teams (surveyors, supervisors, data managers). • Conducting physical verification and quality inspections of major works including RCC high-rise buildings, retrofitting and seismic strengthening works, fire-fighting systems, lift, generator and allied facilities. • Reviewing procurement processes, contract compliance (PPA 2006, PPR 2008), bills, BoQ adherence, and material quality (e.g., bricks, cement, rebar). • Performing SWOT analysis and providing strategic recommendations, including exit plan reviews for future project planning. • Preparing and delivering technical reports and presentations to IMED, facilitating meetings, workshops, and stakeholder consultations.
Employer 4: SA Consult Int. Ltd. Position held: Civil Engineering Expert	From February 2026 to June 2026 Project Name: In-depth Monitoring of “Construction of Multi- Lane Road Tunnel under the Karnaphuli River (2nd Revised)” Initiating Ministry/Division: Road Transport and Bridges Ministry / Bridges Division. Implementing Agency: Bangladesh Bridge Authority. Project Value: Original 8,44,663.78 lakh Taka; 2nd Revised 10,68,971.33 lakh Taka. Implementation Period: November 2015 to June 2024. Project Location: Anwara and Bandar Upazila, Chattogram district. Delivered actionable recommendations and In-Depth Monitoring report for project improvement and future planning under Implementation Monitoring and Evaluation Division (IMED), Planning Ministry supervision. Description of key responsibilities: • Developing monitoring plans, tools, and training programs for field teams (surveyors, supervisors, data managers). • Conducting physical verification and quality inspections of major works including tunnel bore and lining works, approach roads and ramps, RCC structures, toll plaza and allied civil and electro-mechanical works. • Reviewing procurement processes, contract compliance (PPA 2006, PPR 2008), bills, BoQ adherence, and material quality (e.g., bricks, cement, rebar). • Performing SWOT analysis and providing strategic recommendations, including exit plan reviews for future project planning. • Preparing and delivering technical reports and presentations to IMED, facilitating meetings, workshops, and stakeholder consultations.
Employer 5: JETINCO Limited Position held: Civil Engineering Expert	From February 2026 to June 2026 Project Name: In-depth Monitoring of “Construction of RAB Forces Headquarters (1st Revised)” Initiating Ministry/Division: Ministry of Home Affairs. Implementing Agency: Public Works Department (PWD) and Bangladesh Police (RAB Forces). Project Value: Original 49,572.41 lakh Taka; 1st Revised 54,565.36 lakh Taka (GOB) – cost overrun 10.07%, time overrun 214%. Implementation Period: January 2018 to December 2028 (1st Revised). Project Scope: Construction and civil works of about 88,002.42 sq.m. including multi-storied RCC office and residential buildings, officers’

		quarters, force barracks and mess; procurement of vehicles, furniture and office equipment. Project Location: RAB Forces Headquarters, Dhaka. Delivered actionable recommendations and In-Depth Monitoring report for project improvement and future planning under Implementation Monitoring and Evaluation Division (IMED), Planning Ministry supervision. Description of key responsibilities: • Developing monitoring plans, tools, and training programs for field teams (surveyors, supervisors, data managers). • Conducting physical verification and quality inspections of major works including multi-storied RCC office and residential buildings, officers' quarters, force barracks and mess, lift and electrical installations, drainage and allied civil works. • Reviewing procurement processes, contract compliance (PPA 2006, PPR 2008), bills, BoQ adherence, and material quality (e.g., bricks, cement, rebar). • Performing SWOT analysis and providing strategic recommendations, including exit plan reviews for future project planning. • Preparing and delivering technical reports and presentations to IMED, facilitating meetings, workshops, and stakeholder consultations.
	Employer 6: Eco Haven Limited Position held: Construction Adviser	From December 2025 to February 2026 Project Name: "Excavation and Development of 100 ft. wide Canal on both sides of the Kuril–Purbachal Link Road (from Kuril to Balu River)" – Repair and Strengthening of Dyke adjacent to Boalia Sluice Gate (Slope Protection, RCC U-Drain, Walkway and Construction of Boundary Wall). Executing Firm: Eco Haven Limited. Work Value: BDT 60,87,775.00, executed and billed through IPC on the basis of field measurement. Project Duration: 2 months counting from the start date (work commencement 12 December 2025). Job Description: • Advising on construction methodology and work sequencing for dyke repair and strengthening works including slope protection, RCC U-drain, walkway and boundary wall. • Reviewing and validating design, drawings and field measurements prior to execution at site. • Overseeing quality control of materials and workmanship (concrete, RCC and slope protection works) in compliance with the BoQ and project specifications. • Monitoring work progress against schedule and BoQ adherence, and verifying IPC bills based on field measurement. • Coordinating with the project authority and sub-contractor and preparing technical documentation and progress reports.
	Employer 7: D8 CONSULTANTS LTD. Position Held: Director (Design, Planning & Construction)	JAN 2025 to till date. Leading the evaluation, selection, testing, and quality control of construction materials for complex infrastructure and development projects, with a specialized focus on optimizing performance, durability, and compliance through advanced knowledge in material behavior, standards, and engineering specifications. Ensure environment friendly and sustainable construction practice. Notable Projects: 1) Consultancy Services for Preparation of Initial Environmental Examination (IEE), Environmental Impact Assessment (EIA) report of 30 Storied with 3 Storied Basements Residential Condominium Project at Rampura Dhaka, along with Detailed Architectural, Structural, Sanitary, Electrical, HVAC System, Mechanical & Plumbing Design, BMS System for building automation. Client: Toma Construction Ltd.

		2) Consultancy Services for Preparation of Initial Environmental Examination (IEE), Environmental Impact Assessment (EIA) report of 15 Storied with 2 Storied Basements Residential Cum Commercial Building at Khilgaon, Dhaka, along with Detailed Architectural, Structural, Sanitary, Electrical, HVAC System, Mechanical & Plumbing Design, BMS System for building automation. Client: Toma Construction Ltd. Client: Toma Construction Ltd. 3) Consultancy Services for Preparation of Initial Environmental Examination (IEE), Environmental Impact Assessment (EIA) report of of 10 Storied with 2 Storied Basements Residential Cum Commercial Building at Uttara, Dhaka. Client: Hamza Group 4) Consultancy Services for Preparation of Initial Environmental Examination (IEE), Environmental Impact Assessment (EIA) report of 10 Storied Office Building of Rupali Bank Limited, Rajshahi. Client: Rupali Bank Ltd. Description of responsibilities: • Conducting detailed material investigations to ensure suitability, durability, and sustainability for specific site and structural requirements. • Preparation of Initial Environmental Examination (IEE), Environmental Impact Assessment (EIA) report • Prepare Detail Design and estimation (Bar Bending Schedule) for construction of Highrise Building, Bridge, Culvert etc. in compliance with BNBC, ASTM, AASHTO, BS & other compliance code standards • Overseeing field and laboratory testing of construction materials like soil, concrete, asphalt, aggregates etc. • Supervising material sourcing and ensuring compliance with environmental & geotechnical standards during excavation, backfilling, and foundation work. • Coordinating with structural, environmental & geotechnical engineers to integrate material design with broader project goals. • Preparing technical reports, material approval documentation & quality control plans. • Advising on material lifecycle, reuse/recycling potential, and compliance with green building and sustainability standards.
	EMPLOYER 8 : Institute of Water Modelling Position Held: Design Consultant (Bridge)	From JAN 2025 TO JUL 2025 Project Name: Comprehensive Study on Livelihood and Integrated Management of Land and Water Resources in Arial Beel Area Job Responsibilities: • Detail design (Structural & Geotechnical) of H-20 Loading PC Girder (4x 30.00m span) bridge • Detail cost estimation of H-20 loading PC Girder Bridge (4x 30.00m span) bridge based on the relevant rate schedule.
	EMPLOYER 9: ASD Consultancy Services Position Held: Civil Engineering Expert & Road Safety Specialist (Contractual)	From DEC 2024 TO MAY 2025 Project Name: Disaster Risk Management Enhancement Project (Component - 1, BWDB Part. (Civil Engineering expert) Project Value: 757.80 Crore, funded by GOB and JICA. Implementation Authority: Bangladesh Water Development Board Project Name: Improvement of Tangail-Delduar-Lauhati-Saturia-Kawalipara- Kalampur Bus Stand Road in to Appropriate Standard & Width of Regional Highway” (Road Safety Specialist)

		Project Value: 1435.89 Crore, Funded by: GOB. Implementation Authority: Roads & Highways Department. Delivered actionable recommendations & In-Depth Monitoring report (As Civil Engineering expert) for project improvement and future planning under Implementation Monitoring and Evaluation Division (IMED), Planning Ministry supervision. Description of In-Depth Monitoring responsibilities: • Developing monitoring plans, tools, and training programs for field teams (surveyors, supervisors, data managers). • Conducting physical verification and quality inspections of major works including riverbank protection, drainage structures, dredging etc. • Reviewing procurement processes, contract compliance (PPA 2006, PPR 2008), bills, BoQ adherence, and material quality (e.g., bricks, cement, rebar). • Performing SWOT analysis & providing strategic recommendations, including exit plan reviews for future project planning. • Preparing and delivering technical reports and presentations to IMED, acilitating meetings, workshops, and stakeholder consultations.
EMPLOYER 10: Project Promotions & Management Consultants Position Held: Civil Engineering Expert	From Nov 2024 TO Jun 2025 Project Name: “Construction of Residential Flats for Government Officials/Employees in 36 Abandoned Houses of Chottogram” Project Value: 923.70 Crore. Funded by: GOB. Implementation Authority: Public Works Department (PWD). Delivered actionable recommendations and In-Depth Monitoring report for project improvement and future planning under Implementation Monitoring and Evaluation Division (IMED) Planning Ministry supervision. Description of key responsibilities: • Developing monitoring plans, tools, and training programs for field teams (surveyors, supervisors, data managers). • Conducting physical verification and quality inspections of major works including RCC structures & High-rise Buildings including Firefighting system, lift, Generator f, and residential fighting system, Lift, Generator facility and other facilities for residential flats. • Reviewing procurement processes, contract compliance (PPA 2006, PPR 2008), bills, BoQ adherence, and material quality (e.g., bricks, cement, rebar). • Performing SWOT analysis and providing strategic recommendations, including exit plan reviews for future project planning. • Preparing and delivering technical reports and presentations to IMED, facilitating meetings, workshops, and stakeholder consultations.	
EMPLOYER 11: E-Engineering Ltd Position held: Assistant General Manager (Design, Planning & Monitoring)	From July 2022 to Dec 2024 Job Descriptions: • Detail Design and layout plan checking and validation of Geotechnical and structural design with project specification prior to the site condition for smooth operation. • Preparation of Initial Environmental Examination (IEE), Environmental Impact Assessment (EIA) report as per requirement of EPC contractor firm’s requirement. • Preparing tender document, project schedule as per requirement, ensuring compliance with project specifications and standards.	

		• Detailed Architectural, Structural, Sanitary, Electrical, HVAC System, Mechanical & Plumbing Design, BMS System for building automation • Construction Methodology preparation, Project Planning, Work Breakdown & development along with Budget calculation for optimizing project workflows and enhancing productivity. • Prepare Material (Bar Bending Schedule & others) and Cost estimation of the project for smooth operation and implementation of the project. • Verify construction quality following working design through regular inspections and testing of materials and workmanship. • Prepared detailed reports, documentation & presentations summarizing project evaluations, progress, and recommendations for stakeholders. • Led the planning and coordination of ongoing projects at E-Engineering Ltd., driving efficiency and delivering results.
	EMPLOYER 12: ASD Consultancy Service Position held: Project Manager	From December 2023 TO March 2024 Project Name: Verification Study of the DLI (Disbursement Linked Indicators) target 3.6 “At least 30 percent primary school teachers and teacher educators have completed CPD training as per the implementation plan” Job Descriptions: • Planned, coordinated, and supervised all activities of the verification study to ensure timely completion in accordance with the approved work plan, methodology, and project objectives. • Managed the overall field verification process, including preparation of survey tools, deployment of field teams, scheduling of field visits, and monitoring data collection activities across selected districts and upazilas. • Coordinated with the Ministry of Primary and Mass Education (MoPME), Directorate of Primary Education (DPE), PTIs, URCs, and other stakeholders to facilitate access to required documents, administrative support, and field-level verification. • Ensured data quality and compliance by overseeing enumerator training, implementing quality assurance protocols, conducting spot checks, and validating survey data collected through digital platforms (e.g., KoBo Toolbox). • Led data analysis and evidence triangulation by reviewing administrative records, CPD training databases, attendance records, and field verification findings to assess achievement of DLI Target 3.6. • Prepared and reviewed technical reports, presentations, and verification findings, ensuring that all deliverables met the client's requirements, reporting standards, and agreed timelines. • Managed project resources, budgets, risks, and communication while providing regular progress updates to the client, resolving operational challenges, and ensuring successful completion of the verification assignment.
	Notable Projects: ✓ BIEZL Marine Terminal Dry Bulk Jetty, Mirsharai, Chattogram (Design Phase) • Project Value: 18 Crore. • Project Status: Completed • Employer: Bashundhara Group. • Work Involved: Detail Design of 380m x 35m Dry Bulk Jetty (Structural and Geotechnical), Inclusive of Rail Mounted Gentry crane, Mobile Hopper etc Environmental & Social Impact Assessment (ESIA), Financial Viability Analysis, production forecast and future extension provision maintaining. Worked as Deputy Project Leader. Project has provision for complete	

automation system including BMS for Terminal Operation process.

✓ **Construction of Houses and related works for affected peoples under development infrastructures/ support facilities for operation of Payra Deep Sea Port at Lalua Mouza, Kalapara, Patuakhali (Package 1, 2, 3, 7, 11, 12, 13 and 14)**

- Project Value: 561.99 Crore.
- Project Status: Completed
- Employer: Payra Port Authority.
- Work Involved: Design Preparation and field validation for tender and actual work. Dredging Work done for Site Development, One Storied Building Total Number 1694 Nos in 8 different packages (A Type: 689 Nos & B Type 1005 Nos), Septic Tank and Soak Pit (424 Nos), 1 Nos for 4 buildings), 3 Storied School building cum Hospital (3 Nos at Package 1, 7 and 11), One Storied Mosque (4 Nos, package 1, 2, 7 and 13), Underground Reservoir, Brick Drain, RCC Drain, HBB Road, 2 Nos Deep Tube well in each package.

✓ **Embankment (9ft to 19ft) (29,50,000 or higher) at Bhasan Char for Ashrayan Project (2nd Phase).**

- Project Value: 399.99 crore.
- Project Status: Completed
- Employer: Bangladesh Navy
- Work Involved: Dredging and Filling Works using 37-inch Cutter Suction Dredger & maximum 7 km pipe line (27,40,600 CUM), Mechanical Excavation Works of Lake/Water Reservoir (Area 63804.23 Sqm, Volume of Works-2,09,400 CUM) Earth filling and Mechanical Compaction (Volume 29,50,000 CUM), Surface area Protection by Grass Turfing (8,70,000 Sqm)

✓ **Construction of Patenga Container Terminal (PCT) Wharf/ Jetty of Chittagong Port Authority, Patenga, Chittagong.**

- Project Value: 543.60 crore.
- Project Status: Completed
- Employer: 34 Engineer Construction Brigade.
- Work Involved: Construction of PCT Jetty with notable features like Pretensioned High Performance Concrete (PHC) Pile Offshore dia 900mm (Length max 36.0 m, Quantity 17762.5 rm) and 1000mm dia (33.0 m, Quantity- 15690 rm), Slope protection by riprap- 53,430.00 sqm, Dredging works (Vol. 1,00,666 cum), Total Concrete Vol. for Beam, Slab block and deck etc. (41,143.56 cum), Static Load test (06 Nos, up to 600 Tons), Dynamic Load Test (48 Nos), Pile Integrity Test (954 Nos), Bollard Supply 32 Set. (Capacity 100 Tons), Fender Supply 56 set (112 Nos), QU 100 rail for Gantry Crane -1,164.0 rm.

✓ **Construction, Development and Operation of Two Jetty's at Mongla Port through Private Public Partnership (EPC Contract)**

Project Value: 1200 Crore

Project Status Ongoing, Employer: Mongla Port Authority

Work Involved:

Construction of Two Jetty (183M Length, 2 Nos Total 366m Length, 35 m Width)

- Preparation of Initial Environmental Examination (IEE), Environmental Impact Assessment (EIA) report and obtain Environmental Clearance from Department of Environment (DoE).
- Detail Design of jetty, foundation and Pile work including Casting & Driving of Anchor Wall Pile 579 Nos, 16M Length 450mm dia, RCC Sheet Pile 673 Nos, RCC SPUN Pile Driving 78 Nos, Tubular Pile Driving 228 Nos 34m in length 914 m dia, MS Sheet Pile 210 Nos, Pile Cap work 539 Nos 4200 CUM (C-40), PHC Pile Supply and Driving (1000mm dia, 46.5m, 80 Nos)
- Girder 1013 Nos, Precast Deck Slab 497 Nos 2500 CUM. Supplying Bearing Pad 314 Nos RCC Yard Work: (Yard Area: 33000 Sqm)
- PVD (Prefabricated Vertical Drain) Laying & Drive Work 43900 RM,

- Sand Filling for surcharge Load 80203 Sqm
- 400mm Sylhet Sand Improved Subgrade, 150 mm stone aggregate Unbonded Subbase, 200mm thick Lean Concrete, 300 mm Thick Pavement Concrete

Other Design related Works:

- Admin Building A Construction (7 Storied)
- Admin Building B Construction (3 Storied)
- Multipurpose Building Construction (2 Storied)
- Workshop Building construction (5000 sqm, 1 Storied)
- Fire station building construction
- Fuel Station building construction
- Utility Building construction.

✓ **“Construction of New Mooring Overflow Container Yard” for Chittagong Port Authority.**

- Project Value: 97.82 Crore.
- Project Status: Completed
- Employer: Chittagong Dry Dock Limited (CDDL)
- Work Involved: Detail design of Continuously reinforced concrete pavement block (CRCP) Design for Container yard for the Construction of 54,000 Sqm RCC container yard (6m x 6m CRCP Block), 6 Storied Office building, 3 Storied workshop building, 2 storied Canteen building, 2 storied operator's/ driver's rest house, 2 storied toilet block, Substation building, Observation towers. Earth Work in foundation (81,655 cum), Sand filling (144,300 cum), Rebar (2917 Ton), Brick Flat Soling (164,415 Sqm), Sub Base course (8570 CUM), Sand Piling 500 mm dia (110 Nos, 20 m Length).

✓ **Protection of Proposed Economic zone and Development of Reclaimed land from Jamuna River in Sirajganj District.**

- Project Value: 77.00 Crore.
- Project Status: Completed
- Employer: 24 Engineer Construction Brigade.
- Work Involved: Preparing trench at river toe line for placing & dumping of Geo bag (Size: 1200mm x 950mm, thickness 3.00mm, Weight 250 kg, 72115 Nos). Preparation of Cement Concrete C.C Blocks of various size (Block size 45cm x 45cm x 45cm. 79,013 Nos, 35 cm x 35cm x 35cm, 111,954 Nos, 40cm x 40cm x 40cm. 71,345 Nos, 40cm x 40cm x 20cm. 3,000 Nos). Earth work by dredger (216002.12 cum) & mechanical excavator (74359.04 cum), preparation of slope at river embankment. Sand cushioning, filter material, CC block placing and dumping. Construction of road at river bank line as per design.

✓ **Construction of 17 Nos of Culverts (Sluice Gate/Water Regulator) for embankments works in Bhasan Char, Hatia, Noakhali, under Ashrayan-03 Project by Bangladesh Navy.**

- Project Value: 23.97 Crore.
- Project Status: Completed
- Employer: Bangladesh Navy
- Work Involved: Design and validation of Sluice gate and water regulator includes notable feature like Automatic duckbill check valves for 1200mm dia pipe (17 Nos), HDPE/ 316 Stainless steel penstock valves (51 Nos), Glass Reinforced Plastic (GRP) Pipe 1200mm dia (1395 mm), 1000mm dia (1395 mm) RCC (C-40) grade Headwall Structure (380 mm)

✓ **The Construction of RCC Ramp for embankment as attached BOQ in Bhasan Char Island at designated Project Site.**

ject Value: 6.44 Crore.

ject Status: Completed

mployer: Bangladesh Navy

Work Involved: Two HBB Ramp prepared over the 19 ft high embankment at Bhasan char (Ramp 1 and Harbor Ramp) with RCC work (C-40) at Crest. Another one is Earthen Ramp.

- ✓ **Construction of Hali Shahar Main Road (Chy para to Chowcala) and G-block to artillery at 26 no. ward.**
 - Project Value: 7.71 Crore.
 - Project Status: Completed
 - Employer: Chittagong City Corporation
 - Work Involved: Design of Rigid and Bituminous pavement including works like Earth work, Brick Flat Soling, Cement Concrete, Sand & Earth filling, Sub base Macadam, Grouting, Tack coat, Prime Coat, DBS Wearing Course, Pre cast RCC Pile Driving and Breaking, MS Rod, Road Marking.
- ✓ **Re excavation, Renovation and Development of Khal (Mirza khal, Tripura Khal, Gupta Khal, Ruby Cement Khal and Nayerhat Khal) for Mitigating Water Logging problem in Chittagong city.**
 - Contract Value: 205 Crore.
 - Project Status: Completed. Employer: 34 Engineer Construction Brigade.
 - Work Involved: Design of RCC Retaining wall (C-30) Length 17960 rm, Precast Pile 3m, 5m, 8m, 12m (9917 Nos), RCC-30 Concrete work (26307.61 cum), Sub base work.
- ✓ **Development of different infrastructure in different area of Mymensingh City Corporation (Total 7 Packages)**
 - Project Value: 86.15 Crore.
 - Project Status: Completed
 - Employer: Mymensingh City Corporation
 - Work Involved: Construction of RCC Road, BC Road, RCC Drain, Pipe Drain, Bituminous Surfacing work, Sub base Macadam, Grouting, Tack coat, Prime Coat, DBS Wearing Course etc.
- ✓ **“Construction of 1 x Multipurpose Building (Consisting of 1st floor CSD, 2nd floor NAIO, 3rd floor NSO, 4th floor NASD & 5th to 14th floor Sailors BK) (15 Storey with 15 storied FDN keeping ground floor parking) including ancillary works for infrastructural development for Mongla Commander Flotilla West (Comflot West) at Mongla Bagerhat.**
 - Project Value: 86.66 Crore.
 - Project Status: Ongoing
 - Employer: Military Engineering Services (MES)
 - Work Involved: Design check and validation in the field condition consists of Precast Pile 400mm x 400mm, 27.2m (512 Nos), Pile Cap, Grade Beam, Column, Beam & floor Slab etc.
- ✓ **Development of Lalkhanbazar to Bahaddarhat road (CDA Avenue Bahaddarhat to forest gate) lot-01at 8 no Ward.**
 - Project Value: 14.39 crore.
 - Project Status: Completed
 - Employer: Chittagong City Corporation
 - Work done till now: Earth work, Brick Flat Soling, Sand & Earth filling, Sub base Macadam.
- ✓ **Construction of Cold Storage at Rangpur Sadar, Rangpur**
 - Project Value: 28.35 Crore.
 - Project Status: Completed
 - Employer: Bangladesh Agricultural Development Corporation
 - Work done till now: Earth work, Foundation Work, Grade Beam, Column, Beam, 2nd floor Slab
- ✓ **Construction of RCC Jetty with allied works at Sandwip, Chattogram under the project of "Establishment of Jetties and Infrastructure at Mirsarai & Sandwip in Chittagong, Subrang-Jaliar Dwip at Teknaf and Sonadia Dwip at Cox's Bazar".**

	• Project Value: 355.88 Crore. • Project Status: Ongoing • Employer: BIWTA • Work Involved: Detail Design and estimation work for the Swandip jetty including notable works like Sheet Pile Supply & Installation (2800 ton), Pretensioned High Performance Concrete (PHC) Pile Offshore dia 1000mm (Length max 44.0 m, Quantity 6348 rm) and 900mm dia (48.0 m, Quantity- 100 rm), Precast pile (350m x 350m, Length 24m, Quantity 141454 rm) Dredging works (Vol. 1,00,666 cum), Total Concrete Vol. for Beam, Slab block and deck etc. (25663 cum), Static Load test (02 Nos, up to 300 Tons), Dynamic Load Test (10 Nos), Pile Integrity Test (142 Nos), Bollard Supply 12 Set. (Capacity 50 Tons), Fender Supply etc	
EMPLOYER 12: IMED, Ministry of Planning/ DDSL Position held: Civil engineering Expert	From: February 2023 to June 2023 Project: In-depth Monitoring of "Renovation, Modernization and Construction of Infrastructure of BADC (RMCI) Project" Delivered actionable recommendations & In-Depth Monitoring report for project improvement and future planning under Implementation Monitoring and Evaluation Division (IMED), Planning Ministry supervision. Description of key responsibilities: • Developing monitoring plans, tools, and training programs for field teams (surveyors, supervisors, data managers). • Conducting physical verification and quality inspections of major works including road widening, RCC structures like PC Girder Bridge & Culvert Construction, Hard Shoulder & rigid Pavement Construction etc. • Reviewing procurement processes, contract compliance (PPA 2006, PPR 2008), bills, BoQ adherence, and material quality (e.g., bricks, cement, rebar). • Perform SWOT analysis & provide strategic recommendations, including exit plan reviews for future project planning. • Preparing and delivering technical reports and presentations to IMED, facilitating meetings, workshops, and stakeholder consultations	
EMPLOYER 13: IMED, Ministry of Planning / Techno consult International Ltd. Position held: Road Safety Specialist	From January 2022 to June 2022 Project Name: In-depth Monitoring of "Improvement of Panchdona, Danga-Ghorashal zilla highway into 4-lane highway with one lowered both side separate service lane (including Danga Bazar, Islampur link road) 1st revised)" Delivered actionable recommendations & In-Depth Monitoring report for project improvement and future planning under Implementation Monitoring and Evaluation Division (IMED), Planning Ministry supervision. Description of key responsibilities: • Developing monitoring plans, tools, and training programs for field teams (surveyors, supervisors, data managers). • Conducting physical verification and quality inspections of major works including road widening, RCC structures like PC Girder Bridge & Culvert Construction, Hard Shoulder & rigid Pavement Construction etc. • Reviewing procurement processes, contract compliance (PPA 2006, PPR 2008), bills, BoQ adherence, and material quality (e.g., bricks, cement, rebar). • Perform SWOT analysis & provide strategic recommendations, including exit plan reviews for future project planning. • Preparing and delivering technical reports and presentations to IMED, facilitating meetings, workshops, and stakeholder consultations.	
EMPLOYER 14: DCON Design Studio	From February 2020 to May 2022	

Ltd Position held: Project In charge (Design)	Project Name: “Consultation and Installation of demarcation pillar, Walkway, Bank Protection, Jetty with allied work on Evicted Foreshore Land of the river Buriganga, Turag, Balu and Sitalakhya (2nd phase).” Job Descriptions: • Preparation of Initial Environmental Examination (IEE), Environmental Impact Assessment (EIA) report. • Detail Design preparation and layout plan checking and validation of Geotechnical and structural design with project specification prior to the site condition for smooth operation. • Detail Design preparation for 3 Nos culverts with 12m in length and 2 pedestrian passing walkway of 20m in Length. • Verify construction quality following working design through regular inspections and testing of materials and workmanship. • Prepared detailed reports, documentation & presentations summarizing project evaluations, progress, and recommendations for stakeholders. Project Name: “Design, Construction and Installation of HVAC, BMS Automation system for Tory Shoe Industries Ltd, Gazipur. Total Floor Area 156,000 sft. Job Description: Consultancy Services for Preparation of Detailed Architectural, Structural, Sanitary, Electrical, HVAC System, Mechanical & Plumbing Design, BMS System for building automation Project Name: “Design, Construction and Installation of HVAC, BMS Automation system for Health Care Pharmaceuticals, Gazariapara, Mirzapur Bazar Rajendrapur, 1703 Gazipur. Total Floor Area 400,000 Sft. Job Description: Consultancy Services for Preparation of Detailed Architectural, Structural, Sanitary, Electrical, HVAC System, Mechanical & Plumbing Design, BMS System for building automation
EMPLOYER 15: IMED, Ministry of Planning/ Techno consult International Ltd. Position held: Civil Engineering Expert	From January 2021 to June 2021 Project Name: In-depth Monitoring of “Western Bangladesh Bridge Improvement Project” Sponsored by IMED, Ministry of Planning. Delivered actionable recommendations & In-Depth Monitoring report for project improvement and future planning under Implementation Monitoring and Evaluation Division (IMED), Planning Ministry supervision. Description of key responsibilities: • Developing monitoring plans, tools, and training programs for field teams (surveyors, supervisors, data managers). • Conducting physical verification and quality inspections of major works including road widening, RCC structures like PC Girder Bridge & Culvert Construction, Hard Shoulder & rigid Pavement Construction etc. • Reviewing procurement processes, contract compliance (PPA 2006, PPR 2008), bills, BoQ adherence, and material quality (e.g., bricks, cement, rebar). • Perform SWOT analysis & provide strategic recommendations, including exit plan reviews for future project planning. • Preparing and delivering technical reports and presentations to IMED, facilitating meetings, workshops, and stakeholder consultations
EMPLOYER 16: Kunwha Engineering	From July, 2019 to Jan 2020 Project Name: Payra Port First Terminal Project, PPFTP (Design

& Construction Co. Ltd. (Local Agent: Symbiotic Architects & Associates) Position held: Senior Geotechnical Engineer	Phase) Job Descriptions: • Slope Stability Analysis for embankment protection of Payra Port. • Geotechnical design (Pile & Footing) in the 200m Jetty for payra port and Container Yard considering both vertical and lateral load. • Prefabricated Vertical Drain (PVD) Design and layout plan preparation. • Settlement calculation in Pile foundation. • checking and validation of Geotechnical and structural design with project specification prior to the site condition for smooth operation. Project Name: Improvement of District Highways to appropriate Standard and width by Widening, Strengthening of Existing Pavement & Construction of Rigid Pavement, Construction of 2Nos PC Girder Bridge, 37Nos RCC Culvert at different LRP & Chainage of Raozan (Gohira)-Fatikchari Road (Z-1619) under Chattogram Road Division Job Descriptions: • Detain Design, drawing preparation and documentation for 2 Nos PC Girder Bridge (Length 34.88m & 25.45m) along with Rigid and flexible pavement works. • Total Culvert Designed and documented 37 Nos with variable length from 6m to 12m.
EMPLOYER 17: Center for Environmental and Geographic Information Services (CEGIS) Position held: Consultant	From: May 2018 to June, 2019 Notable Projects: ✓ Project Leader, Forecasting and Development of Drought Indices Using SPI (Standardized Precipitation Index) Data from BMD Model Output for Micro Level Agriculture Water Management. Proponent: Bangladesh Meteorological Department (BMD) ✓ Geotechnical Expert, IEE (Initial Environmental Examination) and EIA study of Shahjibazar 100 MW Gas Turbine Power Plant. Bangladesh Power Development Board (BPDB) ✓ Water Resource Expert, IEE and EIA study of proposed India-Bangladesh Friendship Pipeline (IBFPL) Project (Bangladesh Part) Proponent: Bangladesh Petroleum Corporation (BPC) ✓ Project Leader, EIA Report for Dredging of water way No 24, Navigation Road (Chhatak to Bholaganj and Biswamvarpur) Proponent: Bangladesh Inland Water Transport Authority (BIWTA) ✓ Design Engineer, Feasibility Study and Master Plan for for Ashuganj Palash Agro Irrigation Project (5th Phase) Proponent: Bangladesh Agricultural Development Corporation (BADC) ✓ Water Resource Expert, Site Selection for a Proposed Nuclear Power Plant in Southern Region of Bangladesh. Proponent: Bangladesh Atomic Energy Commission (BAEC). Year: 2019 Job Descriptions: • Initial Environmental Examination (IEE), Environmental Impact Assessment (EIA) report preparation, coordination and Project Team leading and coordination. • Feasibility Study based on the Environmental aspects & Research possibilities.

		preliminary design and costing for municipal infrastructures like road with road-side drain, bridge, sluice gate, water regulator etc.
	EMPLOYER 18: Amazon Distribution GmbH] Position held: Versandmitarbeiter	From October, 2017 to December, 2017 Job Descriptions: ✓ Working as an Intern Engineer. Responsibilities were Monitoring and assessing production facility construction and design process ✓ Training in ETP Design and construction for environment friendly production and quality assurance.
	EMPLOYER 19: UGI Limited Position held: Assistant Manager, Design and planning	From May 2011 TO Dec 2014 Notable Projects: • G+9 Storied Residential Building, Navana Darus Salam • G+12 Storied Commercial cum Residential Building at Sonargaon Janpath road, Uttara. • Design and Construction management for six-storied two residential buildings (Location Rampura & Uttara). Job Descriptions: ✓ Slope stability analysis and Settlement Calculation for Chander chor and Ramgonj Embankment project. ✓ Structural design and layout for the three storied building in North Chapra, Patiya, and Chittagong. ✓ Building design and Construction supervision (Part Time) of 9 storied Building with two storied basement facilities near Uttara Janapath, Sector 12. ✓ Project area plan and Development for Ashulia Swapnoneer ✓ Pavement Distress and Repairing Issue analysis of "Rampura Road, Dhaka" under the supervision of Dr. Md. Jobair Bin Alam (Professor, Civil Dept, Buet) in March, 2013 ✓ Detail Drawing, Design preparation and documentation, layout plan checking and validation of Geotechnical and structural design with project specification prior to the site condition for smooth operation. ✓ calculation of bearing capacity of soil and foundation engineering report and structural design of foundation & super structure & supervision of structure.

ADEQUACY FOR THE ASSIGNMENT (K3: INFRASTRUCTURE AND CLIMATE CHANGE EXPERT):

I am fully capable of and available for performing the tasks of the Infrastructure and Climate Change Expert (K3) of the Independent Verification Agency (IVA) for the TVET Teachers for the Future (TTF) Program (Package No: DTE/TTF/S-04). I hold a B.Sc. in Civil Engineering from BUET and an M.Sc. in Geotechnical Engineering from Technische Universität Bergakademie Freiberg, Germany, and possess about 15 years of general experience in infrastructure projects, including more than 5 years of specific experience in high-rise building design, construction and monitoring (30-storied residential condominium at Rampura; retrofitting and seismic strengthening of high-rise buildings under the Urban Building Safety Project; multi-storied RCC office and residential buildings of RAB Forces Headquarters; 15-storied multipurpose building at Mongla; and residential flats in 36 abandoned houses of Chattogram).

As Team Leader and Civil Engineering Expert for in-depth monitoring & Impact Evaluation assignments under IMED, Ministry of Planning of Bangladesh Government, I have repeatedly performed the very tasks required of this position: reviewing and assessing the physical and financial progress of large government-funded infrastructure projects; conducting field inspections to validate construction quality, design adherence and timelines; ensuring compliance with BNBC, ASTM, AASHTO and BS engineering codes, safety standards and environmental guidelines; reviewing procurement processes and contract compliance

under PPA 2006 and PPR 2008; analyzing discrepancies and recommending corrective measures; and preparing evidence-based technical reports and presentations for IMED and project stakeholders.

I am fully conversant with the verification methodology prescribed in the ToR, desk review of documents and records combined with sample-based physical verification and with the structure and standard of Result Verification Reports (RVR) for Disbursement Linked Indicator (DLI) targets under results-based financing programs of development partners such as ADB & World Bank. My 14-week professional course on Environmental and Social Risks Management across the Project Life Cycle (BUET, in collaboration with the World Bank) and training on seismic liquefaction and site characterization further strengthen the infrastructure resilience and climate change dimensions of the assignment. I am, therefore, fully capable of reviewing and assessing infrastructure-related DLIs, verifying achievement against the DLI matrix and agreed verification protocols & preparing detailed DLI verification reports with supporting documents within the stipulated timeline.

CERTIFICATION :

I, the undersigned, certify that (i) I was not a former employee of the Client immediately before submission of this Proposal, (ii) I have not offered my CV to be proposed by a Firm other than this Consultant for this assignment and, (iii) to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I also understand that any willful mis-statement described herein may lead to my disqualification or dismissal, if engaged.

Signature	
Date of Signing	14.07.2026 Day / Month / Year