



MD ABIR HASAN

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Driving Licence: Yes

IEB Membership No: M- 43696

80/E Aley Monjil, Basabo, kodomtola, Dhaka-1214.

Objectives :

To build up a competitive and challenging career in any organization. Where I can show my performance, responsibility, sincerity and can prove my skill as well as honesty through serving significant contribution of the organization.

Summary of Career Profile Highlight :

Total **8 years** of professional experience in Civil Infrastructure Engineering, Elevated Metro Rail Project, Transportation Engineering, Structural Engineering, Architectural finishing and Documentation work in Bangladesh.

- ❖ Working till more than **5 years** as a **Senior Site Engineer (Architect)** in **Italian Thai Development company** Supervising the International **MRT** construction project by **JICA** funded at **Dhaka Metro Rail Development Project (MRT Line 6)** as a **Local Station Incharge** with Station handover to **DMTCL**.
- ❖ Having **2 year** of experience as **QC Engineer (Civil)** at **Italian Thai Development company** Supervising the International **MRT** construction project by **JICA** funded at **Dhaka Metro Rail Development Project (MRT Line 6)**.
- ❖ Having **1 year** of experience at **Shamsuddin Mia & Associates Limited** as a **Site Engineer** with different type of Bangladesh Government building construction, Substructure, Superstructure, architectural work, Gas pipe laying work, Drainage work and Road Construction work.

Summary of Key Responsibilities Handled:

- ❖ Supervising the International MRT construction project Dhaka Metro Rail Development Project (MRT Line 6) as Quality Control, Safety & project management supervision consultant.
- ❖ Supervised and ensure quality of Sub structure, Super Structure, Steel Structure, Road works, and Architectural with finishing works as per drawing & PQP.
- ❖ To review and handle RFI, Method of Statement, NCR, ITP, QC Audit Report, Check list, Progress Report, Punch list, Document Controller works.
- ❖ To check & ensure the quality of various types of construction materials and factory visit for materials inspection and production.
- ❖ To conduct quality audit, training to ensure the quality full product as per specification of the project.
- ❖ Supervised of Project Health, safety hazards, risk assessment and environment.
- ❖ To check and perform varies type's test of construction works.
- ❖ To coordinate contractors, subcontractors and handover the site with all other contract packages/department of the Project with interface team.
- ❖ To ensure the all concrete production from BP as per mixed design and also **casting yard** all types of activities.

Professional Experience Details:

Senior Engineer Architect

ITALIAN THAI DEVELOPMENT COMPANY

(Nippon Koei japan-NK India-DMRC-MOTT UK-MOTT India-DDCL Bangladesh) Project Management and Construction Supervision consultancy, Procurement Support and Management of Mass Rapid Transit Development Project. Dhaka Metro Rail, MRT Line-6

November 2018 – Continue

Location: Employer's & Engineer's Office, Agargaon, Dhaka.

Project: Dhaka Mass Rapid Transit Development Project (MRT Line-6)

Project Length: 21.6 km

Executing Authority: Dhaka Mass Transit Company Limited (DMTCL)

Contractor: Italian Thai Development Public Company Limited (ITD)

Project Cost: BDT 33000 Cr.

Finance by: JICA & Bangladesh Government.

Duties/Key Responsibilities:

Senior Engineer (Architect)

- Monitor and advise on all construction activities ensuring their compliance to the contractor and ensuring governance of all commercial obligations and reporting to Quality control manager on all quality issues.
- Monitoring all activities and materials as Sub structure, Utility pipeline system, Road works, Super Structure and Architectural with finishing works, steel structure fabrication, erection, painting works with all essential tests as per drawing & method of statement.
- To prepare and handle RFI, Method of Statement, NCR, FCR, QC Audit Report, Daily & Monthly Progress Report and Document Controller works.
- Preparing test schedules, frequency of test and sampling related to approved Quality control program. Preparing daily inspection reports on field activities.
- Supervision the test at site for different construction materials and steps during construction work and factory visit for materials inspection and production.
- Raising non-conformance reports for any violation. Co-coordinating with client for clearing log book entries and closing NCR copies with proposed corrective actions.
- Supervise all aspects of the project: monitoring contract compliance, terms and conditions, supervising/reviewing performance of service level agreements, managing documentation and coordinate the review process.
- Carry out Internal Audit at the site as scheduled in the Project Quality Plan, PQP.
- Report any repair that requires material or design change or any engineering evaluations.
- Monitor maintenance work and quality system to ensure adequate performance and compliance with company quality requirements.
- Follow up all quality functions as per approved quality records, inspection typical test plan, check list etc.
- Supervised of Project Health, safety hazards, risk assessment and environment.
- To coordinate and handover the site with all other contract packages/department of the Project as interface team.
- Supervised and ensure quality of any type of review monthly reports and advise on progress improvements.
- Contribute to risk management process and review meetings.

➤ **As a QC Engineer (Quality Control, Safety & Management Supervision)**

● **Sub Structure Works**

- Soil investigation up to 50m, pilling by Hydraulic rotary machine & Diameter 2.2m, 1.5m, 1.2m and Depth up to 50m, Pile cap with sheet Pile Cofferdam.
- Mat Foundation, Under Ground water tank & pump house, Sewerage treatment plant, Soil Development, Waterproofing Works
- Utility gas & water pipe line excavation and construction.

● **Super Structure Works**

- Pier & pier head construction (3x2)m, (4x3)m and up to 18m height, Bearing base, Seismic Buffer, Balance Cantilever Pier Table, Two Cell Viaduct Cast in Situ width 45m and length 60m, I Girder, Portal Beam with 3 no's pier
- Viaduct production, Viaduct erection, epoxy application, viaduct stressing, Deck Slab, Rail Plinth, Cable through, Parapet wall, Approach Slab, Retaining Wall

● **Station Civil Infrastructure works**

- Column (1x1) m up to 6m height, Beam up to (1x1.8) m, Slab construction, Lift Core share wall, Escalator Structure, Stair construction.

● **Station Steel Structure work**

- Steel I Column, circular column fabrication and erection diameter up to 485mm
- Steel Roof Pipe Girder, I Girder, Steel Beam, Steel stair works, Purlin, Sag Rod installation, Anchor Bolt, Steel member 3 coat painting works with DFT test
- The following test & inspection during steel structure works (UT, DPT, DFT, Fit-up, Surface preparation, Dimension check, Visual inspection etc)

● **Road Construction works**

- Subgrade Preparation, Improved Subgrade, Base course Type II, Base course Type I, Prime Coat, Tack Coat, Bituminous Binder Course & Bituminous Surfacing Course, Curb, Gutter and Median

● **Station Architectural & Finishing Works**

- Brick, Hollow block & Plaster Masonry, Granite, Tactile, Tiles, Louver installation, Aluminum Window Frame & Glass, Aluminum Composite Panel, T Grid Ceiling, Calcium silicate Panel, Baffle ceiling, SS Hand & Guard Railing
- Expansion Joint filling, Gutter as floor & roof sheet, Waterproofing & floor hardening, Sanitary, Door work as Fire hydrant, glass door, Aluminum Door, Shaft door, Hatch Door, Painting as anti-dust & Epoxy

● **Performed Tests of construction work**

- Pilling (Polymer slurry as density, PH value, viscosity test, Borehole measurement test as sounding, Sonic Borehole Measurement (Koden Test), Concrete quality as slump & temperature test, Cross hole sonic logging (CSL)
- Earthling and bonding Resistance, Standard Penetration (SPT), Water leakage for drainage and water pipe line joint, Concrete cylinder compressive strength, Epoxy pull out, Rebound Hammer Test
- Road works as Soil and sub base grade field density test (FDT) and backfilling, Prime coat spray rate, primer temperature, Binder course thickness by core cutting
- Steel Structure as Ultrasonic testing (UT), Dry Penetrant (DPT), Dry film thickness (DFT)

➤ **Health, Safety, Environment and traffic management Supervision**

- Safe working environment ensures in all activities
- TBM, Daily safety petrol, Equipment check list inspection, ensure that work permit system is implemented at all activities such as Hot work, Work at height, Confined space work, General work etc. Ensure that the works are carried out as per the approved Method Statement and Risk Assessment.
- To prevention Environmental issues construction inside area & surrounding of project during construction.
- Ensure traffic management & develop traffic system during construction in project.

1. Site Engineer (Civil)

Shamsuddin Mia & Associates Limited

November 2016 – November 2018

Office Location: Bijaynagar, Dhaka, Bangladesh.

Duties/Responsibilities:

Quality Assurance & Quality Control Consultancy, Detail Engineering Assessment, NDT & DT Test, BOQ, Business development & technical support. With different type of Bangladesh Government building construction, Substructure, Superstructure, architectural work, Gas pipe laying work, Drainage work and Road Construction work. Good communication with different types of Government Department related to the work like as Titas Gas, Dhaka wasa, DPDC and BTCL.

Supervised Projects:

- Building construction (RCC Building) Two story to eight story new building of Bangladesh Army at Dhaka Cantonment area.
- Eight inch Gas Pipe line and connection of Bangladesh Army at Dhaka Cantonment area.
- New RCC Drainage line construction.
- Newly construction of RCC Building like as office building, canteen, laboratory building, Cam/Barack, Guard room, watch tower Bangladesh Army at Dhaka Cantonment area.
- Rooftop tower base foundation work.
- Rooftop tower base foundation RCC work.
- River training CC block with Geo-mat work with Bangladesh Army of the Bank of Jamuna at Bagura, Bangladesh.

Education qualifications:

B.SC in Civil Engineering (BSCE)

Institute : Stamford University Bangladesh.
Passing Year : 2016
CGPA : 3.37
Department : Department of Civil Engineering

Higher Secondary School Certificate (H.S.C)

Institution : Barisal Model School &
College
Passing
Year : 2012
Result : CGPA-4.30
Department : Science

Secondary School Certificate (S.S.C)

Institution : Barisal Model school &
College .

Passing year : 2010
Result : Gpa 5.0
Department : Science

Training Experience:

HSE Training: Total safety task induction, TBM talk, Incident investigation & reporting, Permit to work system, Confined Space training, Risk Assessment, Basic First-Aid, unsafe activities and hazardous identify, Housekeeping etc. training session done by NKDM Association Safety manager at Employer's & Engineer's Office, Agargaon, Sher-e-Bangla Nagar.

Industrial Training:

Training title : Rigid pavement construction
Topic : Highway
Institute : Local Government Engineering Department
Location : Faridpur
Country : Bangladesh,
Duration : 3 Month.

Computer Skill:

- Average Knowledge about Auto CAD, ETABS
- Microsoft Word, Excel, Power Point, Picture also Computer Operating.
- Having good knowledge about Internet Browsing & E-mail Handling.

Language:

- Having good ability to speak and writing in English & Bangla.

Personal Details:

Date of Birth : October 01, 1995
Nationality : Bangladeshi
NID No. : 5095669304
Passport No. : A02937095
Driving License No : DK10667715CL0001

References:

Engr. Soupayan Dutta

Resident Engineer (RE)
Dhaka Mass Rapid Transit
Development Project, CP03/04, DMRT Line-06.
Email: soupayan.dutto@ mottmac.com

Md. Kamruzzaman

Project Manager (Civil)
Shamsuddin Mia & Associates Ltd.
Contact: +8801818259923
Email: mzaman0007@gmail.com

Proclamation:

I, the undersigned certify that, according to my knowledge and belief, this C.V. correct describes my qualifications and myself. Any willful misstatement may lead to my disqualification or dismissal, if employed.

Signature:

Regards



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Md Abir Hasan