

CURRICULUM VITAE

Areas of Professional Experience:

- i. Civil and Structural Design for Water Supply Infrastructure & Water Resources Engineering
- ii. Water Supply Distribution Network
- iii. Hydraulic and Hydrologic Design for Water Resources Engineering
- iv. Municipal Drainage / Storm Water Management



NAME	Dr. A.K.M. Farid Uddin
DATE OF BIRTH	11 th January 1968
NATIONALITY	Bangladeshi
MARITAL STATUS	Married
SEX	Male
LANGUAGE	Bengali, English, Japanese
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CONTACT ADDRESS	Principal Engineer BW Perunding Sdn. Bhd. 3 Jalan Manau, Off Jalan Kg. Attap P.O. Box 10076, 50460 Kuala Lumpur, Malaysia
CONTACT TELEPHONE	Telephone (Office): +603 2274 4418 & Fax: +60 3 22744318 Mobile: +60 16 606 94 39
QUALIFICATION	<ul style="list-style-type: none">• PhD in Civil Engineering, Kumamoto University, Japan (2004)• MSc in Civil Engineering, Kumamoto University, Japan (2001)• B.Sc. in Civil Engineering, Rajshahi University of Engineering and Technology, Bangladesh (1989)
PROFESSIONAL STATUS	<ul style="list-style-type: none">• Temporary Professional Engineer, Board of Engineers Malaysia (0606-0100-T-890)• Member, Japan Concrete Institute (JCI /4000057)• Member, Japan Society of Civil Engineers (JSCE /200001384)• Member, Institute of Engineers, Bangladesh (M/10638)

AWARDS ACHIEVEMENT:

1. Silver (2nd Best) Award for Young Researcher, the 2nd International COE (Center of Excellency) Forum on Pulsed Power Science, Kumamoto University, Japan, November 15, 2005.
2. Best Student Paper-award, the 25th AMSE conference, Georgetown University, Washington D.C., USA, October 13, 2000.

AWARDED FELLOWSHIP AND SCHOLARSHIP:

1. JSPS Postdoctoral Fellowship-Kumamoto University, Japan from April 2004 to March 2006.
2. Japanese Government Scholarship-Kumamoto University, Japan for Post-graduate studies (Master and PhD) from October 1998 to March 2004.

JOURNAL REVIEWING:

1. Reviewer, Journal of Construction and Building Materials, Elsevier Science Ltd.
2. Reviewer, International Journal of the Italian Association of Theoretical and Applied Mechanics AIMETA

PUBLICATIONS:

Published about more than 35 Nos. publications into the international journals and conference proceedings.

PROFESSIONAL DEVELOPMENT:

Internee ship

1. 4 weeks (July 15, 2002 to August 12, 2002) internee ship at Nippon Koei (Pvt. Ltd.), Research and Development Center, 2304 Inarihara, Ibaraki 300-1259, Japan
2. 7 weeks (October 13, 2001 to November 24, 2001) Visiting graduate student at Gadsden State Community College, 106 Naylor Hall, P.O. Box 227, Gadsden, AL, 35902-0227 U.S.A.
3. 2 weeks (August 30, 1997 to September 13, 1997) visiting fellow at the department of civil engineering, Soul National University, South Korea.

Computer Experience:

1. Structural design analysis by STAAD-III with advanced level
2. Programming Languages: C++, C, Fortran & JAVA
3. Operating Systems: Windows XP
4. Experience with AutoCAD

MAJOR ASSIGNMENTS:

1. Principal Engineer, BW (Bumi-Watson) Perunding S/B., Kuala Lumpur, Malaysia. To supervise structural design for the (about) 10 Nos of Water Supply Projects in charge under this consulting firm.
2. Senior Structural Engineer, BW (Bumi-Watson) Perunding S/B, Kuala Lumpur. Foundation and Structural Design of Water Treatment Plant, Water Retaining Structure: Elevated Overhead Tank, Raw Water Intake with Pumping Station, Inlet Chamber and Aerators, Mixing Flume, Flocculation and Sedimentation Tanks, Filters and Filters Gallery, Chlorine Contact Tank, Wash Water Tank, River Barrage etc. Office Building and TNB sub-station.
3. Postdoctoral Research Associate, Kumamoto University in Japan. Research works include dynamic behaviors and corrosion cracking problems as well as nondestructive evaluation of reinforced concrete and numerical analysis for static and dynamic behaviors concrete by BEM.
4. Senior Engineer, BW (Bumi-Watson) Perunding Ltd., Kuala Lumpur, Malaysia. Foundation and Structural Design of Hydraulic Structures like overhead tank (capacity: 2.0 million gallons), circular tank (capacity: 3.0 million gallons), water reservoir (capacity: 10 million gallons), and sedimentation tanks etc.
5. Technical Executive for Hamadan & Associate Ltd., Kuala Lumpur, Malaysia. Involves in detail designs of tall building, infrastructures, drainage, water supply and sewerage system in Malaysia.
6. Project Manager for Tanigra Construction Ltd., Kuala Lumpur, Malaysia. Involved in Construction Supervision & design checking of 25 storied CP Tower in Damansara, KL, Malaysia.

7. Mid-level Engineer for Jamalpur Project (FAP 3.1) of Bangladesh Water Development Board. Involves preparation of feasibility reports (including drainage, irrigation, flood control), detail designs and O & M Manuals for the project, covering an area of 180,000 ha located in the district of Jamalpur in Bangladesh.
8. Junior Engineer for Systems Rehabilitation Project (EEC Financed) of Bangladesh Water Development Board. Involves the screening of 83 Nos. Water Resources Development Projects and the preparation of feasibility reports (including drainage, irrigation, flood control and), detail designs and O & M Manuals for about 63 Nos. Sub-projects, covering an area of 365,000 ha located throughout Bangladesh including Haor areas.
9. Assistant District Officer (Technical Design) for Feasibility Study of Intensive Rural Works Programme including Rural Water Supply, Sanitation and Marketing Projects for 5 Upazilas. Rehabilitation and reconstruction of pucca and semi-pucca structures of 13 Upazilas in Faridpur, Bangladesh.
10. Junior Design Engineer: For Third Flood Rehabilitation Project (IDA Financed) of Local Government Department. Involved in rehabilitation of Infra-structures of Western Zone of Bangladesh. Involved in designing, specificationing and estimating of 12m to 63m long RCC Bridge with pile foundation in Bangladesh.

PROFESSIONAL EXPERIENCE:

- January 2007 to date BW Perunding Sdn. Bhd., Kuala Lumpur, Malaysia
Position held: Principal Engineer
To supervise structural design for the (about) 10 Nos of Water Supply Projects in charge under this consulting firm.
- April 2006 to
December 2006 BW Perunding Sdn. Bhd., Kuala Lumpur, Malaysia
Position held: Senior Structural Engineer & Head of the Department
1. Bandar Baharu Water Supply Project
Client: Jabatan Kerja Raya, Kedah
Works involved: Structural design and foundation design of Lubok Buntar Water Treatment Plant, Raw and Treated Water Pumping Mains and 7.5 million liters circular reservoir and 2.5 million Liters elevated reservoir.
 2. Labuan Water Supply Project
Client: Jabatan Kerja Raya, WP Labuan
Works involved: Structural design and foundation design of Water Treatment Plant
 3. Felda Water Supply Project
Client: Felda Engineering Services Sdn. Bhd.
Works involved: Structural design and foundation design of Sg. Bera Water Treatment Plant, Raw Water Intake and Pumping Station
 4. Padang Terap Water Supply Project
Client: Jabatan Kerja Raya, Kedah
Works involved: Structural design and foundation design of Padang Sanai Water Treatment Plant, Raw water Intake with River Barrage And Treated water pumping station.
 5. Bentong Water Supply Project
Client: Jabatan Bekalan Air Pahang
Works involved: Structural design and foundation design of diversion Channel and earth retaining structure (slope protection).

- April 2004 to March 2006 Kumamoto University, Japan
Financial Authority: Ministry of Education, Japan
Position held: Postdoctoral Research Associate
Works involved: Research works include dynamic behaviors and corrosion cracking problems as well as nondestructive evaluation of reinforced concrete and numerical analysis for static and dynamic behaviors concrete by BEM.
- October 1998 to March 2004 Kumamoto University, Japan
Financial authority: Ministry of Education, Japan
Position held: PhD Student/ Research Associate
- January 1997 to September 1998 BW Perunding Sdn. Bhd., Kuala Lumpur, Malaysia
Position held: Senior Engineer
1. Privatization of Greater Ipoh II; Water Supply Scheme: Structural design and foundation design of 18.2 Million Liters RC reservoir (rectangular size) at Jelepang, Ipoh, Perak.
 2. Padang Rengas Water Treatment Plant Upgrading: Structural design and foundation design of 4.6 Million Liters RC circular reservoir at Padang Rengas, Perak.
 3. Upgrading Port Dickson Supply Scheme: Structural design and foundation design of 18.18 Million Liters Balancing Reservoir at Si Rusa and 22.73 Million Liters Balancing Reservoir at Bukit Permata at Seremban.
 4. Sg. Tong Water Supply Project: Structural design and foundation design of balancing reservoir at Bukit Genting and Rehabilitation and Upgrading Existing Treatment Plant and Water Supply System in District of Setiu.
- Works involved: Design of Hydraulic Structures: Structural Design of Hydraulic Structures like Overhead tank (capacity: 2.0 million gallons), Circular tank (capacity: 3.0 million gallons), Water reservoir (capacity: 10 million gallons), Sedimentation tanks etc.
- July 1996 to December 1996 Hamadan & Associate Sdn. Bhd., Kuala Lumpur, Malaysia
Client: Tanigra Construction Sdn. Bhd., Malaysia
Position held: Technical Executive (Project Manager)
Involved in designing for civil engineering structures
Involved in Construction Supervision & design checking of 25 storied CP Tower in Damansara, KL, Malaysia.
- October 1994 to June 1996 Sir William Halcrow & Partners Ltd., Dhaka, Bangladesh
Position held: Mid-level Engineer
Client: Bangladesh Water Development Board (BWDB)
BWDB Jamal Project (FAP 3.1)
Works involved: SOGREAH-HALCROW-EPC Consortium involves preparation of Feasibility report, detail design and O & M Manuals for Jamalpur Project, covering an area of 180,000 ha located in the district of Jamalpur. Hydrologic, Hydraulic and Structural Design of Hydraulic Structures: Flushing cum Drainage Regulator, Drainage Regulator, Box Culvert, Surface Drainage Outlet and Irrigation Inlets. Also associated with supervision of data preparation from embankment survey, canal

survey, structure condition survey and GPS reading. Establishment of a hydrologic database: verification of data quality for random and systematic errors; basic analysis of rainfall, water level, discharge and analysis of river flows and rainfall corresponding to different return period; analysis of extreme hydrological events using different theoretical probability distributions; flood protection analysis. Analysis of river water level and velocity at specific sites under different future river training options which were the basis of detailed designs for the protection of locations threatened by bank erosion and determination of the size of boulders or concrete, brick blocks for bank protection.

February 1992 to
September 1994

Sir William Halcrow & Partners Ltd., Dhaka, Bangladesh

Position held: Junior Engineer

Client: Bangladesh Water Development Board

BWDB Systems Rehabilitation Project

Works involved: Halcrow-BCEOM-DHV Consortium involves the screening of 83 sub-projects and the preparation of feasibility reports, detail designs and O & M Manuals for about 63 Nos. sub-projects, covering an area of 365,000 ha located throughout Bangladesh including Haor areas.

February 1991 to
January 1992

HIFAB International, Dhaka, Bangladesh

Position held: Assistant District Officer (Technical Design)

Client: Local Government Engineering Department

Infrastructure Development Project

Works involved: Involved in the screening of 10 Nos. sub-projects and the preparation of feasibility reports, detail designs and O & M Manuals for about 6 Nos. sub-projects, covering an area of 5,000 ha located in the district of Faridpur, financed by SIDA & NORAD. Served also as Laboratory In-Charge, Material Testing Laboratory. Monitoring and supervision of Rural Water Supply system. Preparing specifications & Tender documents of Schemes and Estimating of Rural Water Schemes. Performing detail Engineering Survey and sub-soil investigation of production well.

December 1989 to
January 1991

Engineering and Planning Consultants Ltd., Dhaka, Bangladesh

Position held: Junior Design Engineer

Client: Local Government Engineering Department

Third Flood Rehabilitation Project

Involved in designing, specificationing and estimating of 12m to 63m long RCC Bridge with pile foundation under the guidance of a Foreign Bridge Specialist. Checking of designs and drawings of shorter Bridges (below 12m) under this project. Collecting Engineering particulars for preliminary assessment on Roads & Bridges which was affected by the flood of 1988. This project was financed by IDA.

List of countries visited

USA, Japan, Canada, Germany, Italy, South Korea, Malaysia and Bangladesh (Home)

List of countries worked

Japan, Malaysia and Bangladesh (Home)

References:

[1] Prof. Masayasu Ohtsu Dr. of Eng.
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Signature: _____
A.K.M. Farid Uddin

Dated: February 02, 2007