

Abu Naser Chowdhury, Ph.D.

Superintending Engineer, Dhaka PWD Circle-2 | PPP & Infrastructure Financing Specialist

Purta Bhaban, Segunbagicha, Dhaka, Bangladesh • naser.chowdhury@gmail.com • Member, Institute of Engineers, Bangladesh (IEB – M 17800)

PROFILE

Civil engineer and researcher with over 25 years of combined public-sector infrastructure leadership, academic research, and construction management experience in Bangladesh and internationally. Ph.D. (Nanyang Technological University, Singapore) specializing in Special Purpose Vehicle (SPV) structuring, project financing, and risk allocation for Public-Private Partnership (PPP) infrastructure projects across Asia. Author of 2 book chapters, 8 peer-reviewed journal articles, and 6 international conference papers.

EDUCATION

Ph.D. in Civil & Environmental Engineering – International Construction Management

Nanyang Technological University (NTU), Singapore • 2007–2012

Dissertation: “A Study on Special Purpose Vehicle (SPV) of Independent Power Producer (IPP) Projects in Asia.” Awarded the NTU Research Scholarship.

M.Eng. in Construction Engineering & Infrastructure Management

Asian Institute of Technology (AIT), Thailand • 2004–2006

Dissertation: “Special Purpose Vehicle for Infrastructure Project Financing through Public-Private Partnerships.” Awarded the AIT Fellowship.

B.Sc. in Civil Engineering

Bangladesh University of Engineering and Technology (BUET), Dhaka • 1997

Major: Structure; Minor: Transportation. Recipient of the BUET Merit Scholarship (1991–1994).

PROFESSIONAL EXPERIENCE

Superintending Engineer

Dhaka PWD Circle-2, Dhaka • Jan 2025 – Present

Leading strategic administration, technical sanctioning, and execution of major public building projects across Dhaka Circle-2 jurisdiction.

Superintending Engineer

PWD Bogura Circle, Bogura • Jan 2021 – Jan 2025

Led public building construction and administration across Bogura Circle, including the 3-storied Model Mosque & Islamic Culture Centre project.

Executive Engineer

PWD Resource Division, Elenbari, Dhaka • Sep 2016 – Jan 2021

Oversaw resource planning and execution of PWD building projects from the Dhaka Resource Division office.

Visiting / Associate Faculty

Dept. of Civil & Environmental Engineering, Islamic University of Technology (IUT), Gazipur • Jun 2016 – Present

Concurrent teaching appointment covering project planning & management coursework.

Executive Engineer (Reserve)

Public Works Department (PWD), Dhaka • May 2014 – Aug 2016

Reserve-post Executive Engineer duties following return from academic and research appointments abroad.

Assistant Professor

Dept. of Civil Engineering, University of Asia Pacific (UAP), Dhaka • Apr 2013 – Apr 2014

Taught undergraduate civil engineering courses and supervised B.Sc. thesis projects.

Research Fellow

Institute of Catastrophe Risk Management (ICRM), NTU, Singapore • Dec 2012 – Apr 2013

Researched exposure and vulnerability of marine cargo and port facilities to natural & man-made catastrophes.

Sub-Divisional Engineer (SDE)

Mirpur Sub-Division-1, PWD, Dhaka • May 2003 – Dec 2012

On-site construction quality control, bill estimation, and site supervision (held concurrently with doctoral study leave, 2007–2011, and a research posting at AIT, 2006–2007).

Research Associate

CEIM, AIT, Bangkok • Jun 2006 – May 2007

Researched government support mechanisms for PPP contractual frameworks in Thailand's infrastructure sector.

Vice President, Information Technology

Green Delta Insurance Company Ltd., Dhaka • Mar 1999 – May 2003

Led the IT department; completed certificate studies in Practical Engineering Underwriting, SwissRe, Zürich (2001).

Assistant Engineer

Concord Engineers & Construction Ltd., Dhaka • Dec 1997 – Mar 1999

First professional posting after graduating from BUET, on private-sector construction projects.

SELECTED PUBLICATIONS (2 book chapters, 8 journal articles, 6 conference papers – full list on request)

- Chowdhury, A.N., Chen, P.-H., & Tiong, L.K.R. (2015). Credit enhancement and its risk factors for IPP projects in Asia: An analysis by network theory. *Procedia Engineering*. DOI:10.1016/j.proeng.2015.11.020
- Chowdhury, A.N., Chen, P.-H., & Tiong, L.K.R. (2015). Credit enhancement factors for the financing of independent power producer (IPP) projects in Asia. *International Journal of Project Management*. DOI:10.1016/j.ijproman.2015.04.007
- Chowdhury, A.N., Chen, P.-H., & Tiong, L.K.R. (2011). Analysing the structure of Public-Private Partnership projects using network theory. *Construction Management and Economics*, 29(3), 247–260. DOI:10.1080/01446193.2010.537354
- Chowdhury, A.N., Chen, P.-H., & Tiong, L.K.R. (2012). Establishing SPV for power projects in Asia: An analysis of critical financial and legal factors. *Journal of Business Economics and Management*, 13(3), 546–566. DOI:10.3846/16111699.2011.643446
- Chowdhury, A.N., & Charoenngam, C. (2009). Factors influencing finance on IPP projects in Asia: A legal framework to reach the goal. *International Journal of Project Management*, 27(1), 51–58. DOI:10.1016/j.ijproman.2008.01.011
- Tiong, R.L.K., Zhang, S., & Chowdhury, A.N. (2012). Development of Public-Private Partnership in the Water Sector in Singapore. In A. Gunawansa (Ed.), *Water Governance: An Evaluation of Alternative Architectures* (pp. 242–261). Edward Elgar.
- Chowdhury, A.N., & Charoenngam, C. (2008). Special purpose vehicles for infrastructure project financing through Public-Private Partnerships. In H.A. Davis (Ed.), *Financing Infrastructure Projects: Trends and Techniques* (pp. 267–278). Euromoney.

MEMBERSHIPS, HONORS & SCHOLARSHIPS

- Member, Institute of Engineers, Bangladesh (IEB – M 17800)
- President, AITAA Singapore Chapter (2007–2012)
- NTU Research Scholarship (2007–2011); AIT Fellowship (2004–2006); BUET Merit Scholarship (1991–1994)
- Contributing Analyst, Economic Intelligence Unit (EIU) – 2010 Infrascopes Asia on PPP Projects
- Short-term Consultant, Commonwealth Secretariat – review of PPP in Toll Roads, London (2010)
- Best Poster Paper Award – CEIM, AIT (2006)