

Curriculum Vitae of the proposed Expert

NAME: Engr. Dr. M. Mahbubur Razzaque

1. Name of Expert:	Professor Dr. M. Mahbubur Razzaque		
2. Date of Birth:	12 October 1966	Citizenship:	Bangladeshi
3. Complete Personal Contact Details:	: Professor, Dept. of ME, Bangladesh University of Engineering and Technology (BUET), Dhaka 1000, Bangladesh Mobile: +88 011 9062 3935, Email address: mmrazzaque@me.buet.ac.bd		
4. Education:			
Degree/ Discipline		Institute	
PhD in Mechanical Engineering		Dept. of Mechanical Engineering, University of Tokyo, Japan	
M. Sc in Mechanical Engineering		Dept. of Mechanical Engineering, Bangladesh University of Engineering and Technology(BUET), Dhaka, Bangladesh	
B. Sc. in Mechanical Engineering		Dept. of Mechanical Engineering, Bangladesh University of Engineering and Technology(BUET), Dhaka, Bangladesh	
5. Membership of Professional Bodies:	Life Member (M 18036), Institution of Engineers, Bangladesh (IEB) Member (M 03023 ME), Bangladesh Society of Mechanical Engineers (BSME) Member (M2233), Asiatic Society, Bangladesh		
6. Other Training:	<p>(a) ADB sponsored 3-day national training workshop on report writing and financial/ economic analysis of CDM-able projects including CDM modalities, procedures and PDD evaluation organized by Bangladesh Centre for Advanced Studies (BCAS), Hotel Golden Deer, Gulshan, Dhaka. 4 - 6 February 2006.</p> <p>(b) ADB sponsored training workshop on awareness building & motivation on renewable energy, energy efficiency and greenhouse gas abatement (PREGA Phase 2) organized by Bangladesh Centre for Advanced Studies (BCAS), LGED Bhaban, Dhaka. 1 - 2 June 2005.</p> <p>(c) Workshop on opportunities under clean development mechanism (CDM) in Bangladesh organized by the ministry of environment and forest, GOB, UNDP and Waste Concern at IDB Bhaban auditorium, Sher-e-Bangla Nagar, Dhaka, 20 July, 2003</p> <p>(d) Short course on heat exchanger design and fuel cells jointly organized by BSME and ASME, Dhaka, 31 December 2003 -1 January 2004.</p> <p>(e) Short course on extraction of Oilsands Bitumen organized by the Department of Chemical and Materials Engineering, University of Alberta, Canada, June 2000.</p>		
7. Languages:			
Language	Speaking	Reading	Writing
Bangla	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Japanese	Good	Good	-

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8. Employment Record: <i>(Starting with present position, list in reverse order every employment held by staff member since graduation, providing dates of employment, name of employing organization, positions held.)</i>		
(a) Academic Experience		
Firm/Institute	Duration	Designation/Role
Bangladesh University of Engineering and Technology (BUET)	13 July 2010 to date	Professor Dept. of ME
BUET	16 Oct. 2006 - 12 July 2010	Associate Professor Dept. of ME
BUET	30 Mar. 2003 - 15 Oct. 2006	Assistant Professor Dept. of ME
Dept. of Chemical & Materials Eng., U of Alberta, Canada	Nov. 1999 - Feb. 2003	Postdoctoral Fellow
Corporate R& D Lab, Tonen Corp., Japan	April 1999- Oct. 1999	Researcher
BUET	Sept. 1994 – Feb. 1999	Assistant Professor Dept. of ME
BUET	June 1991- Sept. 1994	Lecturer Dept. of ME
(b) Administrative Experience		
Position	Institution	Duration
Project Director	BUET – SIDA Project, Dept. of Mechanical Engineering	2008 - 2011
9. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned		
<p>A. Consultancy service to Agrani Bank Limited for Technical Evaluation of the Proposed Scheme of Power Generation from Rice Husk Produced as byproduct from an Automatic Rice Mill of M/s AKW Agro & Food Industries Ltd., Ghoraghat, Dinajpur. 2011</p> <p>B. Consultancy service to Bangladesh Sugar and Food Industries Corporation (BSFIC) for the feasibility study of (i) installing sugar refinery plant for producing sugar from imported raw sugar and (ii) power production through cogeneration in the sugar mills of BSFIC. 2010</p> <p>C. Consultancy service to proposed CEMCOR inland river port of Summit Group at Muktarpur, Munshiganj for Environmental Impact Assessment (EIA) of the project as required for World Bank loan. 2012</p> <p>D. Consultancy service to BRAC Bank for designing and monitoring the installation of noise attenuation systems for genset and aircon generated noise at Anik Tower, Tejgaon I/A. 2012</p> <p>E. Consultancy service for design and installation checking to various key industries in Bangladesh. Examples include installation checking of complete plant in RAK ceramics, Bultrade, Navana electrode, Abdul Matin Spinning mills, etc.; installation checking of ETP and HVAC systems in different textile industries; installation checking of automatic fire protection system in Markup Cot. Spin, etc.</p> <p>F. Consultancy service to various public and private organizations for preparation of tender document, evaluation of tender and RFP, supervising the procurement process and installation and commissioning of capital machineries. Examples include Bangladesh Road Transport Authority, Biman, Directorate of Secondary and Higher Secondary Education, LGED, Bangladesh Bank, BSCIC, BAPEX, BSFIC, Film Development Corporation, Milk Vita, etc.</p>		

10. Other Professional Works at national level

- A. Chairman of the committee for calibration of different instruments in material testing wing of Bangladesh Standard and Testing Institute (BSTI), 2004
- B. Member of the committee formed by the Ministry of Industry for assessing the justification of long term leasing or privatization of Chatak cement factory. 2005
- C. Member of the committee formed by the Ministry of Liberation War Affairs for investigating the corruption in BMRE project of Mimi chocolate factory of Freedom Fighter's Welfare Trust. 2004
- D. Conducted several short courses on noise reduction and fire fighting organized under BUET-SIDA Project. 2008 - 2011

11. Research and Publication

- A. Research theme is focused on lubrication engineering, attenuation of machine generated noise and vibration, fluid flow and heat transfer in wavy tubes, etc.
- B. Published one book chapter.
- C. Published over 15 research papers in international and national journals.
- D. Presented over 25 research papers in international and national conferences.
- E. Supervised over 6 masters students.

Date: 11 May 2013