

Curriculum Vitae of the proposed Expert Team leader

NAME: Engr. Dr. Md. Maksud Helali

1. Name of Expert:	Professor Dr. Md. Maksud Helali		
2. Date of Birth:	3 Jan 1956	Citizenship:	Bangladeshi
3. Complete Personal Contact Details:	: Professor, Dept. of ME, Bangladesh University of Engineering and Technology (BUET), Dhaka 1000, Bangladesh Mobile:8801733576867, Email address: helali@me.buet.ac.bd		
4. Education:			
Degree/ Discipline	Institute		
PhD in Mechanical Engineering	Advanced Material Processing Centre, Dublin City University, Ireland		
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:	Member, Institution of Engineers, Bangladesh		
6. Other Training:	(a) Attended a training program on the utilization and maintenance of supersonic metal spraying equipment, conducted by Matco. Ltd. Cobham, England. 1992 (b) Completed a course on mining offered by the Petroleum and Mining Engineering Department, University of Alberta, Canada. 1989		
7. Languages:			
Language	Speaking	Reading	Writing
Bangla	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
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)	10 Dec, 1998 to date	Professor Dept. of ME	
BUET	10 July, 1996 to 29 Dec, 1998	Associate Professor Dept. of ME	
BUET	29 Dec, 1986 to 09 July, 1996	Assistant Professor Dept. of ME	
BUET	18 Sept, 1984 to 28 Dec., 1986	Lecturer Dept. of ME	

(b) Administrative Experience		
Position	Institution	Duration
Head of the Department	Dept. of Mechanical Engineering	Feb 2006 to Feb 2008
Director	Directorate of Advisory, Extension and Research Services, BUET	Oct. 2000 to July 2005
Assistant Provost	Titumir Hall, BUET	1988 to 1991
Assistant Provost	Nazrul Islam Hall, BUET	1995 to 1998
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 the money lending consortium led by Agrani Bank Limited for verification of cost and appropriateness of proposed rerolling mills of BSRM at Fouzderhat. 2007</p> <p>C. Consultancy service to Bangladesh Krishi Bank for the assessment of performance, production capacity and expected life of machineries of North Bengal Plastic Industries Ltd., BSCIC Industrial Estate, Kushtia. 2000</p> <p>D. 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>E. Consultancy service to the National Board of Revenue, Bangladesh for the evaluation of system loss in the production line of Shah Cement Factory. 2012</p> <p>F. 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>G. Consultancy service for design and installation checking / energy assessment to various key industries in Bangladesh. Examples include Bayejid Steel Mills, Lafarge Surma Cement Factory, Mymensing Power Plant, Bakhrabad Gas Systems, etc. Since 1996 to date.</p> <p>H. Consultancy service to various public and private organizations for preparation of tender document, evaluation of tender, supervising the procurement process and installation and commissioning of capital machineries. Examples include Bangladesh Road Transport Authority, Directorate of Food, DPHE, Bangladesh Bank, Ministry of Textiles, etc. Since 1996 to date.</p> <p>I. Consultancy service to the National Board of Revenue, Bangladesh and Design, fabrication and installation of applicator machine for collecting VAT from the soap industries of Bangladesh, such as Unilever, Meril soap, Keya cosmetics, Kohinoor chemicals, etc. 2005</p>		
10. Other Professional Works at national level		
<p>A. Conducted training for the owners and operators of small manufacturing industries on drawing and understanding blue print, organized by Bangladesh Small and Cottage Industries Corporation.</p> <p>B. Chairman of the committee of Bangladesh Standard and Testing Institute (BSTI) for the development of standards for mechanical equipment.</p> <p>C. Member of the committee of BSTI for Standardization of Capital Machineries for Jute and Textiles Industries in Bangladesh.</p> <p>D. Conducted several short courses on noise reduction and fire fighting organized under BUET-SIDA Project.</p> <p>E. Served as subeditor of the Upgraded National Building Code, Part 4: Fire Protection. (2012-2013)</p>		

11. Research and Publication

- A. Research theme is focused on composite materials, surface engineering, noise and vibration.
- B. Published over 40 research papers in international and national journals.
- C. Presented over 25 research papers in international and national conferences.
- D. Supervised three doctoral students and over 20 masters students.

Date: 11 May 2013