



## **C.V OF MD. DURRUL HUDA**

### **I. PERSONAL DETAILS**

Name : Md. Durrul Huda  
Father Name : Md Belal Uddin  
Mother Name : Khadbanu Begum  
Present Address : Chief Scientific Officer and Head, Farm Machinery and Postharvest Technology Division, BRRI, Gazipur-1701. Tel- 88-02-49272005-14 ext. 500 (Off.), 01719-783558 (Mob)  
Permanent Address : Village- Alinagar, Ward No. 4, P.O- Alinagar, Upazila/P.S. - Gomastapur District- Chapainawabganj, Post code-6320  
Nationality : Bangladeshi (by birth)  
Date & place of birth : 16 March 1968, Alinagar, Chapainawabganj  
Marital status : Married; blessed with one son and one daughter.

### **II. KEY EXPERIENCES**

Ph D in Agricultural Engineering from University of Newcastle, Newcastle upon Tyne, United Kingdom. I started my carrier as an Assistant Engineer in Barind Multipurpose Development Authority (BMDA) and served there six month. After then, I joined Bangladesh Rice Research Institute (BRRI) on 21<sup>st</sup> November 1994. Whole professional period I have spent to design, develop, fabrication and adaptation of farm machinery for sustainable rice cultivation. I also involved in dissemination of appropriate farm machinery to the farmers field. Beside this, I arranged a numbers of training programme throughout the country under different national and international projects.

### **III. EDUCATIONAL QUALIFICATION**

#### **Ph D**

Ph.D in Agricultural Engineering (2003) research field was postharvest technology from University of Newcastle, Newcastle upon Tyne, England, UK.

#### **Thesis on “Air Flow Effect on Solar Drying”**

#### **Graduation with Honors**

Graduation in Agricultural Engineering (Major in Farm Power and Machinery) with Honors in 1989 (held in 1992) from the Faculty of Agricultural Engineering and Technology of Bangladesh Agricultural University, Mymensingh and was placed in first class.

#### **H.S.C**

Passed first division in science group form Rajshahi Board in 1985.

#### **S.S.C**

Passed first division in science group form Rajshahi Board in 1983.

### **IV. WORK EXPERIENCES**

#### **a) With a National Research Institute**

Authority : Bangladesh rice Research Institute (BRRI)  
Position : Chief Scientific Officer  
Posting : Farm Machinery and Postharvest Technology Division, BRRI, Gazipur.

Duration : 21 November, 1994 to date

**Brief job description at BRRI:**

- Design, development and adaptation of appropriate farm machinery for various operations of rice cultivation;
- Development and adaptation of modern technologies for post-harvest processing and storage;
- Test and evaluation of agricultural machinery for different usages;
- Development and adaptation of technology for proper utilization of rice by-products;
- Disseminate research result to extension worker, farmer and end-users
- Conduct training for capacity building of farmer, non-government organization and extension workers.

**Project writing, processing and implementation work:**

Sl.No.	Name of the project	Implemented Organization	Responsibility
01	Agricultural Support Service Project (ASSP), (January 1996 – December 1998)	BRRI, Gazipur	Working Scientist
02	Popularizing BRRI Developed Agricultural Machinery to Augment Mechanized Rice Cultivation in Bangladesh project funded by GoB, (July 2001 to June 2006 )	BRRI, Gazipur	Site Co-ordinator, Thakurgaon site
03	Development and Validation of USG Applicator and Rice Transplanter Project funded by NATP, (July 2010-December 2013)	BRRI, Gazipur	Co-Investigator
04	Development of Research Capacity of the Bangladesh Rice Research Institute project funded by GoB-KOICA (January 2012 to August 2013)	BRRI, Gazipur	Vice Project Manager
05	Development of Research Capacity of the Bangladesh Rice Research Institute project funded by GoB-KOICA (September 2013 to December 2013)	BRRI, Gazipur	Project Manager
06	Follow-up Study on Development of Research Capacity the Bangladesh Rice Research Institute (April 2014 to May 2015)	BRRI, Gazipur	Project Manager
07	Strengthening Physical Infrastructure and Research Activities of BRRI (Approved in ECNEC meeting on 24 May 2016)	BRRI, Gazipur	BRRI Focal Point
08	Farm Machinery Technology Development and Dissemination (July 2010 to June 2015)	BRRI, Gazipur	BRRI Focal Point
09	Strengthening Farm Machinery Research Activity for Mechanized Rice Cultivation (Approved in 2019)	BRRI, Gazipur	BRRI Focal Point

<b>V. Employment Record</b>			
<b>Designation</b>	<b>Institute/ Organization</b>	<b>Duration</b>	<b>Responsibility/Duties/Field</b>
Chief Scientific Officer	BRRI, Gazipur	21-11-2019 to date	Under Farm Machinery and Postharvest Technology Division of BRRI
Principal Scientific Officer	BRRI, Gazipur	04-08-2010 to 21-11-2019	Under Farm Machinery and Postharvest Technology Division of BRRI
Senior Scientific Officer	BRRI, Gazipur	22-05-2001 To 03-08-2010	Under Farm Machinery and Postharvest Technology Division of BRRI
Scientific Officer	BRRI, Gazipur	21-11-1994 to 21-05-2001	Under Farm Machinery and Postharvest Technology Division of BRRI
Assistant Engineer	BMDA, Rajshahi	18-05-1994 to 18-11-1994	Deep Tube-well sinking, commissioning, operation and other work

## **VI. TRAINING**

9.	<b>Training</b>				
	<b>Foreign</b>				
	<b>Organization</b>	<b>Year</b>	<b>Duration</b>		<b>Name of Program</b>
			To	From	
	International Tractors Ltd., India	2016	10.04.2016	15.04.2016	Experience and knowledge sharing visit
	KOICA	2012	15-07-2012	12-09-2012	Joint Study Workshop
	KOICA	2013	28-05-2012	11-06-2012	Technical Training Workshop
	People's Republic of China	2007	22-10-2007	05-11-2007	Rice Field Plowing & Rice Transplanting Mechanization Technology
	<b>In-Country</b>				
	<b>Organization</b>	<b>Year</b>	<b>Duration</b>		<b>Name of Program</b>
			To	From	
	BARC, Dhaka	2020	12-01-2020	16-01-2020	Monitoring and evaluation in project management
	NATA, Gazipur	2018	15-04-2018	19-04-2018	Modern Office Management
	BARD, Comilla	2012	05-03-2012	18-03-2012	Administrative and Financial management
	NATP, BARC	2009	16-05-2009	18-05-2009	Financial Management
	BRRI, Gazipur	2008	14-06-2008	19-06-2008	1-Week rice

					production training
	BRRI, Gazipur	1994	03-12-1994	02-02-1995	Rice Production, Applied Research, Communication and Administration

## VII. COMPUTER SKILL

MS Word, MS Excel, MS Power Point, Photoshop, SPPS etc and use available ICT facilities

## VIII. MEMBERSHIP OF PROFESSIONAL ORGANIZATION

Fellow, Institution of Engineers Bangladesh (IEB, F/11244)
Life member of Bangladesh Society of Agricultural Engineering (BSAE)
Life member of Krishibid Institution, Bangladesh (KIB)
Bangladesh Rice Research Institute Scientist's Association (BRRISA)
Bangladesh Association of Scientists and Scientific Professions (BASSP)

## IX. LIST OF SELECTED PUBLICATIONS

10	Publication(s): (Heading & PDF file)
	<b>National</b>
	<p>Alam, M. M., Huda, M.D., Hoque, M.S. and Bhuiyan, M.G.K. (2004) Studies on storage stability of guava juice and jelly. <i>Journal of the Institution of Engineers Banglades</i>, <b>31(1)</b>,81-87</p> <p>Bhuiyan MGK, MD Huda, AKMS Islam, MA Hossen and MS Islam (2010). Study the adoption status of Farm Machinery in Some selected sites of Bangladesh. <i>Journal of the Institution of Engineers, Banglades</i>, Vol., <b>38(1)/AE</b>, 1-8.</p> <p>Bhuiyan, MGK, MA Quasem, TK Sarker, MS Islam, MD Huda and AKM S. Islam 2009. Studies on the quality of paddy stored in steel drum, plastic drum, low-cost cocoon and gunny bag. <i>Intl. J. BioRes.</i> <b>6(2)</b>:1-6</p> <p>Hossen, M.A., Huda, M.D., Zaman, M.K., Islam, M.M. and Aktar, S. (2018). Validation of waking and riding type rice transplanter in different location of Bangladesh. <i>Eco-friendly Agril. J.</i> <b>11 (4)</b>: 43-59.</p> <p>Hossain ABM Zahid, MGK Bhuiyan, M A Hossen and MD Huda (2010). Development of a method for selecting two wheel drive tractor. <i>Eco-friendly Agril. J.</i> <b>3 (3)</b>: 154-158.</p> <p>Hossen MA, MD Huda, AKMS Islam, M Misbahuzzaman and MAB Siddique (2010). Performance evaluations of different close drum thresher (CDT) comparing with manual threshing. <i>The Institution of Engineers, Bangladesh.</i> Vol., <b>38(1)/AE</b>, 91-99.</p> <p>Hossen, M.A., Huda, M.D., Dewan, M.M.R., Islam, S.A. and Sarker, T.K. (2006) Arsenic test and removal from tube well water at control flow rate for drinking purpose. <i>International Journal of Sustainable Agricultural Technology</i>, <b>2(5)</b>, 26-30</p> <p><b>Huda, M.D.</b> and Islam, M.T. (2004) Shrinkage and colour evaluation of tomato for convection and sun drying. <i>Journal of the Institution of Engineers, Bangladesh</i>,<b>31(1)</b>,1-9</p> <p><b>Huda, M.D.</b>, Bhuiyan, MGK, Nath, BC, Millon, MK, Islam, Paul S H, Islam MM and Rahman, MM (2019). Performance evaluation and economics of the reaper binder for harvesting paddy in Bangladesh. <i>Journal of the Institution of Engineers, Bangladesh</i>,<b>42(4)</b>,61-68</p> <p><b>Huda, M.D.</b>, Chowdhury, M.M.I., Hossain, M.A., Alam, M.S. and Islam, M.M. (2010) Moisture</p>



Ahiduzzaman, MGK Bhuiyan, M.A. Hossen (2009). Mechanized rice cultivation in Bangladesh: Past experiences and future potentials. *Agricultural mechanization in Asia, Africa and Latin America (AMA)*. Vol. 40(1), 36-40.

Miah, M.A.K., Baqui, M.A., Huda, M.D. and Nasiruddin, M. (1999) Rice husk briquette as alternative fuel in Bangladesh. *Agricultural Mechanization in Asia, Africa and Latin America*, **30**(2), 63 - 68.

Hafjur Rahaman, Md.Mizanur Rahman, AKM. Saiful Islam, Md.Durrul Huda and Mohammad Kamruzzaman (2022). Mechanical rice transplanting in Bangladesh: Current situation, technical challenges, and future approach. *Journal of Biosystems Engineering* 47:417–427.