

RESUME
of
MD. HARUN-AR-RASHID

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FIELD OF SPECIALIZATION

Over 42 years of professional experience and the **key field of specializations** in research and development, extension, technology transfer, farm management, seed system management, irrigated intensive cropping system management, introduction of high value cash crops, training management, farmers' motivational activities, published manuals, technical advising, command area development of irrigation system, nursery and orchard management, IGA programs management, duckweed farming, duckweed based pisciculture and waste water treatment, marketing of agri-inputs, project proposal preparation, farmer to farmer seed exchange system (FARMSEED), participatory integrated plant nutrient management (PIPNM), system of rice intensification (SRI), fine aromatic and sticky rice, Bangladesh rice knowledge bank (BRKB), Rice-Duck farming, family approach, arsenic hazard abatement, use of leaf color chart (LCC), introduction of hybrid rice technology, poly shed summer tomato, value chain management, measuring private agricultural research and innovation, good seed initiative, plant health management service initiative, project proposal preparation, introduction of zinc enrich rice varieties, video show cum training, agricultural marketing, disaster management, adoption of fertilizer deep placement technology, climate change impact adaptation, climate smart agriculture (CSA), cost and return analysis for crops and fishery, crop yield maximization, NGOs and CBOs networking, farmers group formation, extension of exotic Jujube, uptake of high value crops, fish hatchery management, road safety program, post flood agri-rehabilitation, fact sheet preparation, scale-up salt tolerant rice variety, floating bed agriculture, zero tillage Garlic production, intensive fish farming and fish fattening strategy, food grain procurement, case study, introduction of hybrid napus mustard, introduction of seedless and micro seeded watermelon, etc.

Strong skills in program planning, management, impact assessment, analysis, study design, implementation, project inception, formulation, design, implementation, review, monitoring and evaluations, baseline survey, household survey, institutional assessment, leadership, policy support, focus group discussion, workshop, seminar, documentation and report writing.

More than 30 studies conducted on the relevant issues with large number of agencies (most of them are international organizations/donors) and projects in the country.

Extended multicultural work experience with broad based organizations including government agencies, research institutes, private service contractors, donor agencies, international organizations, international consulting firms, etc

EDUCATIONAL QUALIFICATION

Ph.D in Agriculture, American Independent University, California, USA

Master of Science in Crop Physiology, Reading University, UK

Master of Science Agriculture degree in Soil Science, Bangladesh Agricultural University, Mymensingh, Bangladesh.

Bachelor of Science degree in Agriculture (Honours), Bangladesh Agricultural University, Mymensingh, Bangladesh.

RANGE OF PROFESSIONAL EXPERIENCE

Research Agronomist: Conducted research with (i) Rutgers University/BMGF on measuring private agricultural research and innovation; (ii) IRRI/PETARRA project on FARMSEED, PIPNM, SRI, Hybrid rice, BRKB, FAG rice, Rice-Duck, Family approach, Arsenic and LCC; (iii) IRRI on experimentation on ways of using BRKB; (iv) PRISM-Bangladesh on Duck weed farming, Duckweed based pisciculture and wastewater treatment; (v) BRRI on agronomic research with rice; (vi) Humboldt soil Testing Laboratory, BAU on comparative study on TSP and hyper phosphate, and fertilizer deep placement with rice, (viii) research conducted during M.Sc.Ag, MS and Ph.D study in the respective university, etc.

Extensionist: Large number of extension initiatives undertaken with AAS, BGP, CIMMYT, CIAT/HarvestPlus, SEDF, IRRI, IDE, PRISM Bangladesh and Agro-Insight.

Consultant: About 40 consultancies were performed on relevant agricultural issues during the last more than 41 years working period, most of them are short term assignments with various international agencies (**EKN/Kingdom of the Netherlands**, IFC, IFDC, Walmart Foundation, DAI, IFPRI, CIMMYT, ACDI/VOCA, CABI, HPBD/CIAT, Agro Insight, Access Agriculture, USAID, IFAD, JOBS, EU, IRRI, BMGF, DFID, World Bank, SDC, GTZ/TADP, PRIP/PACT, MMP, Chemonics, etc.) and international donors funded projects in the country under the contractual agreement and most cases consultancy fee are on daily basis.

Advisor: Worked with PRISM Bangladesh as Specialist Advisor and TADP a project of GTz as Agronomy Advisor. Advising to NGOs/International organizations in cropping strategy, irrigation management, aquaculture, Duckweed culture, wastewater treatment, environment pollution, road safety and disaster management.

Production Specialist: Worked with PRICE/USAID as production Expert, IDE Bangladesh as Agricultural Specialist/Crop production specialist, IRRI/EU-FoSHoL project as Chief Agricultural Specialist and AAS as production Specialist.

Seed production Specialist: worked with BADC, BRRI, TADP/GTZ, MMP/EPC, IDE/KB, EAL, SEDF, PETARRA, CABI/WRC, PRICE/Chemonics, IRRI/BMGF, JOBS and AAS on seed Production, Processing, Preservation, Packaging, Certification, transportation, marketing and post marketing field evaluation and thus hold enormous experience in seed technology, regulation and trades.

Coordinator: Worked with CIMMYT/USAID/CSISA/CSISA-MI/CSISA-III as central coordinator, Energypac Agro Ltd (EAL) as Coordinator and AAS as Coordinator.

Training and capacity building specialist: Hold tremendous experience in training design and conducting large number of training course for last more than 40 years for farmers and all level of staff of NGOs, private companies and GOB under different projects and programs. Conducted huge number of workshops, Seminars, review workshops, refresher courses,, TOTs and training modules preparation.

Survey Specialist: Conducted different type of surveys and prepared reports with AAPI project of IFDC/USAID as consultant; IFDC/Walmart Foundation as Consultant; AVC project of DAI/USAID as lead consultant; AVPI project of IFDC/Walmart Foundation as Consultant; AAPI project of IFDC/Walmart Foundation as Consultant; Weidemann Associates/USAID as consultant; GPC of CABI as consultant; GSi of CABI as consultant; BMGF/ Rutgers University as consultant; PETRRA project, IRRI/DFID as Principal Investigator (PI); IHE, the World Bank/UNESCO/PRISM Bangladesh as Consultant; SDC as consultant; TADP, GTZ as Agronomy Advisor, SDF, IFC as consultant and AAS as ED. Hold tremendous experiences in conducting and report preparation on various type of relevant surveys.

Farm Manager: Managed/Supervised farm of Tebnia S.M. Farm, BADC as Farm Superintendent; Shobuj Shona Duckweed cum fish farm, PRISM Bangladesh as Agronomist and crop/Fish hatchery/ Fish farm of AAS as ED.

Principal Investigator: Performed the project activities with HarvestPlus/CIAT/IFPRI as PI for six short term assignments; PETRRA, IRRI/DFID as PI for 11 sub-projects; and AAS as PI for several projects.

Horticulture consultant: Provided technical assistance to selected farmers and farmer groups on organized and modern horticultural farming techniques to produce differentiated products for the value chains of the selected high value crops in 18 communities of Natore, Pabna and Rajshahi districts with PRICE project of Chemonics and horticultural projects/activities of AAS as horticulture consultant/Specialist.

FGD Specialist: Used FGD method to collect information and data for various projects with BGP of BWDB/DAE as consultant; AVC project of DAI/USAID as consultant; HarvestPlus, CIAT/IFPRI as PI; GPC, CABI as consultant; GSi, CABI as consultant; PRICE project, Chemonics/USAID as Horticultural consultant; IFAD for administering Inception and Formulation missions of CDSP-IV as consultant (Agriculture); N-O-J project of JOBS as consultant; SEDF/IFC/The world Bank as consultant; IRRI for BRKB uptake as consultant; PETRRA project, IRRI/DFID for eight sub-projects as PI; FoSHoL project, IRRI/EU as Chief Agricultural Specialist; IHE, The World bank/UNESCO/PRISM Bangladesh as consultant; IDE as crop production Specialist; SDC as consultant; TADP, GTZ as Agronomy Advisor and AAS with various projects as ED. Hold strong experience in design, conducting and report writing for FGD.

Irrigation Agronomist: Key expert as Irrigation Agronomist through working with MMP for IDA DTM-II project, TADP/GTZ and AAS with various projects.

Disaster Management Specialist: Supervised project activities for distribution of 5,00,000 household silos among the trained and motivated farm families for emergency seeds and food grain storage in 63 upazilas of 19 flood affected districts in three regions of the country.

Value Chain Specialist: Worked with AVC project of DAI/USAID as lead consultant; BATP/WA/USAID as consultant; PRICE project, Chemonics/USAID as Horticultural consultant and N-O-J project of JOBS as consultant.

Marketing Specialist: Worked with AVPI project, IFDC/Walmart Foundation on vegetable and fruit market information as consultant; RDC/DFID on rice marketing and price rising as consultant; KB, IDE Bangladesh on marketing of agri-inputs and irrigation equipment through KB's dealers' network across the country as crop production specialist ; AAS on marketing of seed of various crops as ED.

Procurement Specialist: Worked with PRODIP project / The Asia Foundation / USAID / UKaid / SAU / AAS as consultant; AVPI, IFDC / Walmart Foundation as consultant; HarvestPlus / CIAT/IFPRI as PI; PRICE project, Chemonics / USAID as production Expert; EAL as coordinator; N-O-J project, JOBS as consultant; RDC/DFID as consultant and AAS for various projects as ED.

Country Representative: Supporting the project activities of Access Agriculture in Bangladesh as Country Representative-Bangladesh and current designation is Country Focus-Bangladesh.

CSA Specialist: Working on climate Smart Agriculture for climate change impacts mitigation (e.g. Floating bed agriculture, Sorjan method for vegetable cultivation and fish culture; Shrimp enclosure embankment crop culture etc) as CSA specialist with AAS.

Networking Specialist: Since founding in 1989, AAS has been implementing various donors funded projects through NGOs and CBOs across the country. AAS's ED is the chairman of Bio-village forum and network of AAS partner NGOs & CBOs under the leadership of ED, AAS. AAS is also member of Rice Foundation, BAPA, BSA, WSSB etc.

Cost return analysis specialist: Conducted large number of cost & return analysis on various crops, fishery and other relevant issues during last more than 41 years working period in Bangladesh. Accordingly, admits enormous experience in cost and return analysis for agricultural issues.

Chairman: Chairman of a NGO (AAS); AAS Partner NGO Network with active 100 members (NGOs) & 250 CBOs; Chairman of Advisory Board of AAS; Chairman of Bio-village forum

Director: Managing as Executive Director of a NGO (AAS).

Projects: *Strong skills, key expert and hold extraordinary experience in study, report writing, project proposal preparation, project review, inception, formulation, design, impact, planning, management, assessments, analysis, monitoring and evaluations, baseline survey, household survey, institutional assessment, leadership, policy support, seminar, workshop and documentation.*

EMPLOYMENT RECORD AND WORKING EXPERIENCE

Total professional working experience of more than 42 years as long-term, short-term, mid-term, full-time and part-time basis with: **(i)** Agricultural Advisory Society (AAS) as **Executive Director cum Chief Agricultural Specialist** (February 1991-present); **(ii)** International Maize and Wheat Improvement Center (CIMMYT)/ Cereal Systems Initiative for South Asia-III (CSISA-III)/USAID as **Central Coordinator** for conducting video show based training on FAW, EWS and HRS for farmers during 2019-20 winter season (October 2019-February 2020); **(iii)** CABI International-

India as **Consultant** for conducting on rapid rural appraisal on fall armyworm invasion for farmer's knowledge, attitude and practices in Bangladesh (November-December 2019); **(iv)** International Maize and Wheat Improvement Center (CIMMYT)/ Cereal Systems Initiative for South Asia-III (CSISA-III)/USAID as **Central Coordinator** for Conducting video show based training on FAW identification and management for Maize cultivation during 2019 summer season (March-May 2019); **(v)** Agro-Insight/ Blue Gold Program of Kingdom of the Netherlands as **Consultant** for the study on communication interventions and extension methods (February-March 2018) **(vi)** International Maize and Wheat Improvement Center (CIMMYT)/ Cereal Systems Initiative for South Asia-III (CSISA-III)/USAID as **Central Coordinator** for conducting video show on healthy rice seedlings production during 2017 T.Aman season (May-July 2017); **(vii)** International Fertilizer Development Center (IFDC)/Walmart Foundation as **Consultant** for the study on vegetable and fruit market information (January-May 2017); **(viii)** CIMMYT/CSISA-III/USAID as **central coordinator** for conducting video show on healthy rice seedlings production during 2017 Boro season (October-December 2016); **(ix)** Modern Food Storage Facilities Project (MFSFP) of DG Food, Ministry of Food/DPDS/AAS as **Disaster Management Specialist** for supervising the project activities (July 2016-Present); **(x)** Accelerating Agriculture productivity Implement (AAPI) Project/IFDC/USAID as **Consultant** for conducting six household surveys on rice production (adoption of FDP technology) under six separate agreements during seven cropping seasons (2014 T.Aman season, 2015 Boro season, 2015 T.Aus & T.Aman seasons, 2016 Boro season, 2016 T.Aus season and 2016 T.Aman season); **(xi)** Agricultural Value Chain (AVC) Project/Development Alternative Incorporated (DAI)/USAID as **Lead Consultant** for conducting the feasibility study on off-season (early winter, late winter and summer seasons) tomato cultivation practices (July-October 2015); **(xii)** Measuring Extension and Advisory Services (MEAS)/USAID/Agro Insight/CIMMYT/AAS as **consultant** for conducting case study of 12 groups of people and organizations for the use of DVD on mechanical seeders (July-August 2013); **(xiii)** CIMMYT/CSISA-MI/USAID as **Central coordinator** for conducting video show cum training on the CIMMYT/CSISA-BD videos during 2013-14 Boro season (September 2013-March 2014); **(xiv)** CIMMYT/CSISA/USAID as **central coordinator** conducting video show cum training on CIMMYT/CSISA-BD video and additional CSISA-BD videos during 2012-13 Boro season (September 2012-January 2013); **(xv)** Centro Internacional de Agricultura Tropical (CIAT)/International Food Policy Research Institute (IFPRI)/HarvestPlus Bangladesh (HPBD) as **Principal Investigator** for implementing the project on Delivery of High Zinc Rice in Bangladesh under seven LOAs between HarvestPlus and AAS in nine districts during 12 rice cropping seasons (2013-14 Boro season to 2019 T.Aman season) (November 2013-Present); **(xvi)** AAPI Project, IFDC/Walmart Foundation as **Consultant** for conducting a Baseline Survey on APPI-Walmart Foundation activity in 12 districts (September-October 2013); **(xvii)** Access Agriculture as **Country Representative/Country Focus-Bangladesh** as part-time for supporting activities of Access Agriculture in Bangladesh (January 2013-Present); **(xviii)** Asia Energy Corporation Bangladesh Pty Ltd/Research Development Center (RDC)/AAS as **Consultant** for conducting Agricultural Studies in Dinajpur district (June-September 2012); **(xix)** Promoting Democratic Instructions and Practices (PRODIP)/USAID/UKaid/The Asia Foundation/Sher-e-Bangla Agricultural University (SAU)/AAS as **Consultant** for conducting study on Effectiveness of Food Grain Procurement system of Bangladesh: Transparency and Accountability of Allied Field Institutions in five districts (April 2012- March 2013); **(xx)** Agricultural Cooperative Development International (ACDI)Volunteers in Overseas Cooperative Assistance (VOCA) as **Consultant** for preparing a project proposal on USAID's FTF Agricultural Value Chain (AVC) program for Bangladesh for submission to USAID (May-June 2012); **(xxi)** Weideman Associates, Inc for Bangladesh Agriculture Transformation Program (BATP), USAID as **Consultant** (team member) for conducting institutional assessment with 28

organizations/agencies (June-July 2011); **(xxii)** Weidemann Associates, BATP/USAID as **Consultant** (team member) for preparing four proposals on agricultural issues for submission to USAID (February-march 2011); **(xxiii)** Center for Agriculture and Bio-Science International (CABI), UK/Wheat Research Center (WRC) as **Consultant** for conducting a study on impact of Wheat Seed Activities of Good Seed initiative (GSi) in Bangladesh in five districts (July-October 2010); **(xxiv)** Poverty Reduction by Increasing the competitiveness of Enterprise (PRICE), Chemonics/USAID as **Horticultural consultant** for providing technical assistance to produce differentiated products for the value chains of the selected high value crops in Natore, Pabna and Rajshahi districts (November 2009-May 2010); **(xxv)** Global Plant Clinic (GPC), CABI, UK as **Consultant** for conducting a study on Plant Clinic in Bangladesh: Performance and impacts (September 2009-January 2010); **(xxvi)** IFPRI as lead **Consultant** for conducting a study on hybrid rice in Bangladesh and current status of hybrid rice research, development and delivery in Bangladesh; **(xxvii)** International Fund for Agricultural Development (IFAD) as **Consultant** (Agriculture) for implementing of Formulation Mission for the Proposed Char Development and Settlement Project-IV (CDSP-IV) in greater Noakhali district (July-October 2009); **(xxviii)** Bill and Milenda Gates Foundation (BMGF)/Rutger University/IFPRI/McGill University as **Consultant** for conducting research on Measuring Private Research and Innovation in Bangladesh (June-December 2009); **(xxix)** IFAD as **Consultant (Agriculture)** for implementing of Inception Mission for the Proposed CDSP-IV project in greater Noakhali district (April-June 2009); **(xxx)** RDC/Department for International Development (DFID), UK as **Consultant** for conducting a study on rice marketing and reasons for rising of rice price in 2008 in Bangladesh (July-August 2008); **(xxxi)** Nodi-O-Jibon project of JOBS as **Consultant** for supervising the value chain management of high value cash crops in chars of seven districts (July 2008-June 2010); **(xxxii)** EnergyPac Agro Ltd (EAL) as **Coordinator** for supervising production, procurement, processing, preservation, packaging, transportation and marketing of seed of rice and non-rice crops (March 2008-November 2009); **(xxxiii)** South Asia Enterprise Development Facility (SEDF)/International Finance Corporation (IFC), The world Bank as **Consultant** for production and marketing system development for seed company in Bangladesh and conducted a special study on poly shed summer Tomato: Adoption and farmer's innovations in Jessore district (September 2007-February 2008); **(xxxiv)** International Rice Research Institute (IRRI) as **Consultant** for conducting research on experimentation on ways of using the Bangladesh Rice Knowledge Bank (BRKB) in Natore and Sirajgonj districts (June 2006-July 2007); **(xxxv)** International Development Enterprise (IDE) as **Consultant** for providing advisory technical services support to IDE Bangladesh for development a project (June 2005); **(xxxvi)** IRRI/European Union (EU)-Dhaka for Food Security for Sustainable Household Livelihood (FoSHoL) project as **Chief Agricultural Specialist** for conducting study on Technology identification and documenting for Knowledge Bank for FoSHoL project (December 2004-May 2005); **(xxxvii)** PETRRA Project, IRRI/DFID, UK as **Consultant** for conducting a special study on prospect and potential of rice hybrids in Bangladesh in 10 districts (April-May 2004); **(xxxviii)** Research Extension on farm power issue (REFPI), Bangladesh Agricultural University (BAU) as **Consultant** for conducting review of eight projects supported by REFPI/BAU (January-March 2002); **(xxxix)** IRRI/PETRRA as **PI/Co-PI/Consultant** for conducting research on 10 PETRRA sub-projects in 11 districts (June 1999-June 2004); **(xxxx)** Integrating the health care enterprise (IHE), The World Bank/UNESCO/PRISM Bangladesh as **Consultant** for conducting study on pre-feasibility of Duckweed based wastewater treatment and resource recovery in Bangladesh (August 1998-march 1999); **(xxxxi)** The World Bank, USA as **Consultant** for conducting study on livestock and fisheries technology regulation and transfer in Bangladesh (May-June 1996); **(xxxxii)** IDE as **Crop Productions Specialist** for coordinating and supervising the demonstration based Agri-inputs marketing as KB Brand

through KB marketing network (October 1993-January 1996); **(xxxxiii)** Swiss Development Cooperation (SDC) as **Consultant** for conducting study on Pilot Project Potential for SHOGORIP (Shosho Godam Rin Prokalpa) in five districts (April-August 1991); **(xxxxiv)** PRISM Bangladesh as **Specialist Advisor (Agronomist)** for conducting research and training on Duckweed farming, Duckweed based pisciculture and wastewater treatment along with providing technical advice to PRISM management on farming and scientific aspects (November 1991-September 1993); **(xxxxv)** Agricultural Advisory Services/Private Rural Initiative Programme (PRIP) as **Director cum Chief Agronomist** for strengthening the agricultural programs of 24 client NGOs working in Bangladesh through technical assistance (TA) in the form of training and follow-up in field consultancy on the agreed programs (March 1990-January 1991); **(xxxxvi)** PRIP as **Consultant (Agronomist)** for strengthening agricultural programs of eight client NGOs working in Bangladesh through TA in the form of training and follow-up in field consultancy on the agreed programs (November 1989-February 1990); **(xxxxvii)** Sir M. Mac Donald and partners (MMP)/Engineering and planning consultants (EPC)/International Development Agency (IDA)-Deep Tube-Well-II (IDE DTW-II) Project as **Irrigation Agronomist (Local Agricultural Consultant-LAC)** for planning, implementing and disseminating the agreed programs relevant to command area development (CAD) of 60 DTW schemes of IDA DTW-II project in 8 districts (May 1988-November 1989); **(xxxxviii)** Tangail Agricultural Development Project (TADP)/GTZ as **Agronomy Advisor** for planning and implementing the agreed programs relevant to CAD with irrigated intensified diversified cropping with high value crops within command areas of 30 DTW demonstration schemes of TADP (January 1987-May 1988); **(xxxxix)** Bangladesh Rice Research Institute (BRRI) as an **Agronomist** for planning and implementing of agronomic research with rice at BRRI along with writing the reports on research findings and presenting research results and providing training on rice production technology and research (January 1979-December 1986); **(xxxxx)** Tebnia Seed Multiplication Farm, Farm Division, Bangladesh Agricultural Development Corporation (BADC), Pabna as **Farm Superintendent** for production, processing and preservation of seeds of different crops and overall management of 500 acres farm with about 600 labours and staff (May 1977-December 1978); **(xxxxxi)** Humbold Soil Testing Laboratory of BAU, Mymensingh as **Research Assistant** for conducting comparative research on (a) TSP and hyper phosphate and (b) urea fertilizer deep placement as mud ball and prilled urea as the traditional method with irrigated rice (August 1976-May 1977).

Professional Association: (a) Member of recruitment and promotion committee of Patuakhali Science and Technology University (PSTU), (b) Chairman of Agricultural Advisory Society (AAS) and Partner NGO networks; (c) Life Member of Krishibid Institution of Bangladesh (KIB) (Membership: 01-74-10747); (d) Life Member of Bangladesh Society of Agronomy (BSA) (Membership: L349); (e) Life member of Weed Science Society of Bangladesh (WSSB) (Membership: LM41); (f) Member of Soil Science Society of Bangladesh; (g) Member of Bangladesh Association for the Advancement of Science; (h) Chairman of Bio-village Forum; (i) Member of Bangladesh Rice Foundation

PUBLICATION

More than 30 published papers and 80 unpublished papers & reports on relevant issues

REFERENCES

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