

Agricultural Mechanization in Bangladesh – The Future

21st and 22nd March 2022

Grand Ballroom, Pan Pacific Sonargaon, Dhaka, Bangladesh

Sessions will be broadcast live on Zoom for participants unable to attend in person.

Zoom link: <https://us02web.zoom.us/j/7087547517?pwd=cXQ2SElCbStya09qeHhjOHRiTWNhZz09>

Meeting ID: 708 754 7517; Passcode: 534932

Day I - Morning

Registration: (08:00- 08:50)

Inauguration Session: (09:00-11:30)

Session Chair: Dr. Shaikh Mohammad Bokhtiar, Executive Chairman, Bangladesh Agricultural Research Council (BARC)

Welcome and Overview of workshop objectives and sessions plan (20 minutes): (Dr. Timothy J. Krupnik, Country Representative, CIMMYT Bangladesh and Prof. Dr. Md. Monjurul Alam, Department of Farm Power and Machinery, BAU)

Speech by Special Guest (10 minutes) - Mr. Md. Sayedul Islam, Secretary, Ministry of Agriculture

Speech by Chief Guest (30 minutes) - Dr. Muhammad Abdur Razzaque, MP, Minister, Ministry of Agriculture

Speech by Director General, BARI (10 minutes) - Dr. Debasish Sarker, Director General, Bangladesh Agricultural Research Institute (BARI)

Speech by Director General, DAE (10 minutes) - Mr. Md. Benojir Alam, Director General, Department of Agricultural Extension (DAE)

Speech by Director General, BWMRI (10 minutes) - Dr. Golam Faruq, Director General (Current charge), Bangladesh Wheat and Maize Research Institute (BWMRI)

Speech by Director General, BRRRI (10 minutes) - Dr. Shahjahan Kabir, Director General, Bangladesh Rice Research Institute (BRRRI)

Speech by the USAID Bangladesh Official (10 minutes) - Dr. Muhammad Khan, Acting Director, Office of Economic Growth (USAID)

Speech by the Chair: (10 minutes) - Dr. Shaikh Mohammad Bokhtiar, Executive Chairman, BARC

Tea Break and Snacks

Session 1 (12:00-13:00): Agricultural mechanization in the context of economic development in Bangladesh

Session Chair - Dr. Debasish Sarker, Director General, Bangladesh Agricultural Research Institute (BARI)

12:00 - 12:25: How Bangladesh is transforming from a predominantly agro-based to a vibrant agro-industrial society? The role of agricultural mechanizations:

Keynote presentation: Dr. Shahidur Rashid, Director for South Asia, IFPRI and Dr. Xiaobo Jhang, Senior Research Fellow, IFPRI

12:25 - 12:50: Achievements and future plan for agricultural mechanization in Bangladesh.

Keynote presentation: Mr. Md Benojir Alam, Director General, Department of Agricultural Extension (DAE).

Lunch and Prayer

Day I - Afternoon

Session 2 (14:00-17:00): What have we learnt about adoption of agricultural mechanization?

Session Chair: Prof. Dr. Lutful Hassan, Vice-Chancellor Bangladesh Agricultural University (BAU), Mymensingh

14:00 to 14:25 The adoption, dis-adoption and constraints to further adoption of new agricultural machinery in Bangladesh.

Scene setting presentation: Dr. Brendan Brown, Socio-economist, CIMMYT, South Asia

14:25 to 14:50: Adoption and adaptation of pre & post harvest rice farming technologies: Bangladesh experience

Scene setting presentation: Dr. Md. Monjurul Alam and Dr. Chayan Kumer Saha, Professor, Department of Farm Power and Machinery, BAU

14:50 to 15:15: Mechanisation in South East Asian countries with rice based farming systems.

Scene setting presentation: Dr. Martin Gummert, Senior Scientist - Postharvest Development, Sustainable Impact through Rice Based Systems, IRRI

15:15 - 15:40: Mechanisation in South Asian countries with rice based farming systems

Scene setting presentation: Dr. Avinash Kishore, Research Fellow, IFPRI

15:40 to 16:05: The role of Public Private Partnerships (PPPs) in the rapid transfer of agricultural machinery technology to farmers - Public Sector Perspective

Scene setting presentation: Dr. AKM Saiful Islam, Principal Scientific Officer (PSO), BRRRI

16:05 to 16:30: The role of Public Private Partnerships (PPPs) in the rapid transfer of agricultural machinery technology to farmers - Private Sector Perspective

Scene setting presentation: Dr. F H Ansary, President, ACI Agribusiness Division and Managing Director, ACI Motors Ltd. and Mr. Subrata Ranjan Das, Executive Director, ACI Motors

Tea Break and Snacks

17:00 to 18:00: Panel discussion on presentations made in session 1 and 2

Moderator: Prof. Dr. M.A. Sattar Mandal, Emeritus Professor in the Dept. of Ag. Economics & Former Vice-Chancellor of Bangladesh Agricultural University, Mymensingh (BAU), Form Member of Planning Commission (Gen. Econ.; Agriculture), Govt. of the People's Republic of Bangladesh.

Panellists:

Government representatives: Sheikh Md. Nazimuddin, Coordinator, Agril. Machinery Development Assistance Cell, Field Service Wing, Department of Agricultural Extension (DAE)

Industry representatives: Mr. Sadid Jamil, Managing Director, The Metal (Pvt.) Limited

Research institutions: Dr. Israel Hossain, Ex. Director General, BWMRI

Development Organizations: Dr. Sieglinde Star Snapp, Program Director, Sustainable Agrifood Systems program, CIMMYT, Mr. Kevin Fath, Agricultural Development Officer, USAID Mission, Bangladesh, Deepak Dhoj Khadka, Vice President, Asia, IDE, Mr. Arnoud Hameleers, Country Director, IFAD Bangladesh, Dr. Shawkat A Begum, Country Director, Practical Action Bangladesh

Day 2 - Morning:

Registration: (08:30-09:30)

Session 3: (9:30-13:00) Manufacture of agricultural machines and spare parts

Session Chair: Mr. Kazi Sakhawat Hossain, Additional Secretary, (BSCIC, SME & BITAC), Ministry of Industries)

9:30 to 9:55: Trends in agricultural machinery and spare parts manufacture and sale in Bangladesh

Scene setting presentation: Prof. Dr. Md. Monjurul Alam, Professor, Department of Farm Power and Machinery, BAU

9:55 to 10:20: Current practices and perceived constraints to agricultural machinery manufacturers in the light engineering hubs of Bogura and Jashore.

Scene setting presentation: Prof. Dr. Jonathan Colton, Georgia Institute of Technology, USA

10:20 to 10:45: Constraints to the development of the light engineering sector in Bangladesh - practical experience from Jashore:

Scene setting presentation: Ms. Mehjabin Ahmed, Senior Manager, Private Sector Development, Prabridhdi- Local Economic Development, Swiss Contact

Tea Break and Snacks

11:00 to 11:25: Innovative approaches toward sustainable provision of skills training for agriculture based light engineering enterprises

Scene setting presentation: Ms. Bharathi Parupalli, Lead Training Coordinator, CSISA-MEA, CIMMYT Bangladesh

11:25 to 11:40: New perspectives on innovation processes for Agriculture

Scene setting presentation: Mr. Arnoud Hamelers, Country Director, IFAD Bangladesh

11:40 to 11:55: An interactive session to elicit their views of workshop participants on the prospects for and the challenges with the development of the agricultural mechanisation value chain from manufacturing to machinery service provision.

Scene setting presentation: Dr. Brendan Brown, Socio-economist, CIMMYT, South Asia

11:55 to 13:00: Panel discussion on presentations in morning session

Moderator: Dr. Md. Ayub Hossain, Chief Scientific Officer, FMPE, BARI

Panellists:

Government Representatives: Dr. Md. Abdul Wohab, Ex-Director General, BARI, Dr. Engr. Syed Md. Ihsanul Karim, Director, Tools & Technology Institute (TTI), BITAC

Industry representatives: Mr. Alimul Hsan Chowdhury, Managing Director, Alim Industries Limited.

Machinery hubs representatives: Mr. Ole Ullah, Managing Director, Janata Engineering, Chuadanga, Mr. Paritosh Malo, Proprietor, RK Metal, Faridpur, Mr. Md. Rezaul Karim (Reza), Reza Engineers, Bogura, Md. Samsul Alam Sapon, Shilpy Metal Foundry, BSCIC, Jashore.

Development organization: Dr. Ms. Shawkat A Begum, Country Director, Practical Action Bangladesh and Mr. Mashfique Akbar, Private Sector Advisor, UKAid, FCDO, Bangladesh

Technical/Vocational Institutes: Mr. Philip Biswas, Founder Executive Director Rural Reconstruction Foundation (RRF)

Lunch and Prayer

Day 2 - Afternoon:

Session 4: (14:00- 16:30): Access to Finance and business development

Session chair: Dr. F H Ansary, President, ACI Agribusiness Division and Managing Director, ACI Motors Ltd.

14:00 to 14:30: Current practices, challenges, prospects and new approaches for accessing finance for investment in machinery manufacturers and finance for machinery importers and buyers.

Scene setting presentation: CSISA-MEA – iDE (Ms. Elizabeth Lahiff, Team Leader, CSISA-MEA, iDE and Ms. Tanzila Tajreen, STS - Access to Finance) and Ms. Tamanna Sohane, Business Consultant, LightCastle Partners

14:30 to 15:00: Light Engineering & agricultural mechanization businesses led by women and youth

Scene setting presentation: Ms. Bidowra Khan, Regional Gender and Inclusive Development Advisor, ACIDI/VOCA

Tea Break and Snacks

15:30 to 16:30 Panel discussion on financial services

Moderator: Mr. Md. Abdul Hakim, General Manager, Agricultural Credit Department, Bangladesh Bank

Panellists:

Private Banks: Mr. Syed Abdul Momen (Deputy Managing Director, BRAC), Mr. Majidul Haque (Prime Bank), Ms. Shahnaz Akter Shahin, First Vice President and Head of Agricultural Lending, Bank Asia Limited

Non-Bank Financing Institutes: Mr. Syed Javed Noor (Deputy Managing Director, IDLC)

Microcredit Organizations: Prof. Dr. Hosne -Ara Begum, Executive Director, TMSS, Dr. Md. Mahub Alam, Senior Director, Gram Unnayan Karma (GUK)

Machinery importers/distributors: Mr. Md. Amir Hossain, FCMA, FCA, Head of Business, Abedin Equipment Ltd.

Development Organizations: Dr. Bidyuth K. Mahalder, Senior Programme Advisor, Food and Agriculture Organization of the United Nations (FAO), Arafat Hossain, Team Leader, Bangladesh Microinsurance Market Development Project (BMMDP), Swiss contact Bangladesh

16:30-17:30: Wrap Up session

Chair and Plenary speaker (30 minutes): Prof. Dr. M.A. Sattar Mandal, Emeritus Professor in the Dept. of Ag. Economics & Former Vice-Chancellor of Bangladesh Agricultural University, Mymensingh (BAU), Former Member of Planning Commission (Gen. Econ.; Agriculture), Govt. of the People's Republic of Bangladesh.

Take home messages and Vote of Thanks – (30 Minutes)

Mr. Kazi Sakhawat Hossain, Additional Secretary, (BSCIC, SME & BITAC), Ministry of Industries

Mr. Md Benojir Alam, Director General, Department of Agricultural Extension (DAE)

Mr. Md. Abdul Hakim, General Manager, Agricultural Credit Department, Bangladesh Bank

Sheikh Md. Nazimuddin, Coordinator, Agril. Machinery Development Assistance Cell, Field Service Wing, Department of Agricultural Extension (DAE)

Dr. F H Ansary, President, ACI Agribusiness Division and Managing Director, ACI Motors Ltd.

Prof. Dr. Md. Monjurul Alam, Department of Farm Power and Machinery, BAU

Dr. Timothy J. Krupnik, Country Representative, CIMMYT Bangladesh