



বাংলাদেশ কৃষি গবেষণা কাউন্সিল

নতুন বিমানবন্দর সড়ক, ফার্মগেট, ঢাকা-১২১৫

স্মারক নং: PARTNER/APCU-BARC-03/MoU/2023 3673

তারিখ: ১০/১১/২০২৫ খ্রি।

বিষয়: MoU এর Joint Working Group গঠনে সদস্য মনোনয়নের প্রসঙ্গে।

উপর্যুক্ত বিষয়ের আলোকে জানানো যাচ্ছে যে, PARTNER প্রোগ্রামের APCU-BARC এর DLI 8.2 এর আওতায় নার্সডুল প্রতিকানের সাথে আন্তর্জাতিক কৃষি গবেষণা প্রতিষ্ঠান/ল্যাব, পাবলিক ও বেসরকারি সংস্থা কর্তৃক স্বাক্ষরিত MoU সংক্রান্ত কার্যক্রম সুষ্ঠুভাবে বাস্তবায়নের জন্য গত ২২ সেপ্টেম্বর ২০২৫ তারিখে অনুষ্ঠিত MoU কার্যকরী কমিটির সভায় প্রতিটি MoU এর জন্য একটি Joint Working Group গঠনের সিদ্ধান্ত গৃহীত হয়।

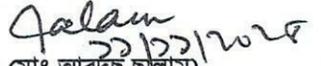
এমতাবস্থায়, বাংলাদেশ কৃষি গবেষণা ইনস্টিটিউট এবং CABI, Syngenta BD, Medina Tech Limited ও Abedin Equipment Ltd এর মধ্যে স্বাক্ষরিত সমঝোতা স্মারক (MoU) সমূহের কার্যক্রম ত্বরান্বিত করার লক্ষ্যে আগামী ২০ নভেম্বর ২০২৫ তারিখের মধ্যে প্রতিটি MoU-এর Joint Working Group গঠনের জন্য MoU কার্যকরী কমিটির সিদ্ধান্তের প্রেক্ষিতে দুইজন করে সদস্য মনোনয়ন প্রদানের প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য অনুরোধ করা হলো।

সংযুক্তিঃ

১। স্বাক্ষরিত MoU কপি।

২। ২২ সেপ্টেম্বর ২০২৫ তারিখে অনুষ্ঠিত MoU কার্যকরী কমিটির সভার কার্যবিবরণী।

মহাপরিচালক,
বাংলাদেশ কৃষি গবেষণা ইনস্টিটিউট, গাজীপুর।


ড. মোঃ আবদুল হুসাইন
নির্বাহী চেয়ারম্যান (রুটিন দায়িত্ব)
ফোন: +৮৮-০২-৪১০২৫২৫২
ই-মেইল: ec.barc@barc.gov.bd

কার্যার্থে বিভরণ:

১। ড. মো. ইমরান খান চৌধুরী, উর্ধ্বতন বৈজ্ঞানিক কর্মকর্তা, প্রশিক্ষণ ও যোগাযোগ উইং, বিএআরআই, গাজীপুর।

অনুলিপি (জ্যেষ্ঠতার ক্রমানুসারে নয়):

- ১। অতিরিক্ত সচিব, পিপিপি অনুবিভাগ, কৃষি মন্ত্রণালয়।
- ২। আবুল কালাম আজাদ, প্রোগ্রাম কোঅর্ডিনেটর, পার্টনার, ডিএই, খামারবাড়ি, ফার্মগেট, ঢাকা।
- ৩। ড. জগদীশ চন্দ্র বর্মণ, এজেন্সি প্রোগ্রাম ডাইরেক্টর, পার্টনার (বারি অংগ), বিএআরআই, গাজীপুর-১৭০১।
- ৪। ড. মোঃ আশরাফুল আলম, এজেন্সি প্রোগ্রাম ডাইরেক্টর, পার্টনার, এপিআরআই-বিএআরআই, ফার্মগেট, ঢাকা।
- ৫। ড. মোঃ আব্দুস সালাম, ডেপুটি প্রোগ্রাম ডাইরেক্টর (এইচআরডি), পার্টনার, এপিআরআই-বিএআরআই, ফার্মগেট, ঢাকা।
- ৬। আশরাফুল আলম, ডেপুটি প্রোগ্রাম ডাইরেক্টর (ডেভেলপমেন্ট), পার্টনার, এপিআরআই-বিএআরআই, ফার্মগেট, ঢাকা।
- ৭। রাশেদুল ইসলাম, ডাটা এন্ড্রি অফিসার/ সহ. প্রোগ্রামার, বিএআরআই, ফার্মগেট, ঢাকা। (ওয়েবসাইটে আপলোডের অনুরোধ সহ)
- ৮। একান্ত সচিব, নির্বাহী চেয়ারম্যান, বিএআরআই।
- ৯। অফিস কপি।

ফোন: +৮৮০-২-৪১০২৫২৫২, ফ্যাক্স: +৮৮০-২-২২২২৪২৬৪৭

ই-মেইল: ec.barc@barc.gov.bd; info@barc.gov.bd; ওয়েবসাইট: www.barc.gov.bd

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

BANGLADESH AGRICULTURAL RESEARCH INSTITUTE (BARI)

GAZIPUR-1701

AND

CAB INTERNATIONAL (CABI)

SOUTH ASIA, NEW DELHI, INDIA

FOR

SCIENTIFIC AND TECHNICAL COLLABORATION

OCTOBER 2023


09.10.23

RATIONALE

Bangladesh Agricultural Research Institute (BARI) is the largest multi-crop research institute conducting research on a wide variety of crops, such as cereals, tubers, pulses, oilseeds, vegetables, fruits, spices, flowers, etc.

WHEREAS BARI has developed huge, improved varieties, a large number of agricultural technologies and it intends to transfer/disseminate this technological information to the farming communities through different stake holders.

WHEREAS BARI has wider access to information, research materials and agricultural technologies.

WHEREAS BARI has an established network of research stations in different parts of Bangladesh,

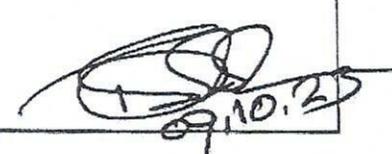
WHEREAS BARI has developed a large number of agricultural technologies including quite a good number IPM, and pesticide residue determination and decontamination techniques which it intends to disseminate to the end users through various sources.

AND

CABI is a not-for-profit, inter-governmental, international organization formed by a UN treaty and owned by its member countries, including Bangladesh, with a mission to improve people's lives worldwide by providing information and applying scientific expertise to solve problems in agriculture and the environment.

WHEREAS CABI has mandate to support and implement its programmes in South Asia including Bangladesh and intends to support the implementation of Plantwise backstopping activities and PlantwisePlus as a major international development collaboration programme designed to improve the food security and livelihoods of smallholder farmers. It builds on two earlier successful CABI programmes- Plantwise and Action on Invasives. PlantwisePlus has three "impact pathways":

- (1) pest preparedness, improving the prediction and prevention of, and preparation for, pest threats to farmers' crops.
- (2) farm advisory, providing farmers and advisory service providers (public and private) with better information and digital decision support tools to support sustainable and climate-resilient agriculture; and
- (3) pesticide risk reduction, shifting the way crops are protected, away from high-risk farm inputs towards safer approaches, supporting human health and protecting


1-30
09.10.25

RATIONALE

Bangladesh Agricultural Research Institute (BARI) is the largest multi-crop research institute conducting research on a wide variety of crops, such as cereals, tubers, pulses, oilseeds, vegetables, fruits, spices, flowers, etc.

WHEREAS BARI has developed huge, improved varieties, a large number of agricultural technologies and it intends to transfer/disseminate this technological information to the farming communities through different stake holders.

WHEREAS BARI has wider access to information, research materials and agricultural technologies.

WHEREAS BARI has an established network of research stations in different parts of Bangladesh,

WHEREAS BARI has developed a large number of agricultural technologies including quite a good number IPM, and pesticide residue determination and decontamination techniques which it intends to disseminate to the end users through various sources.

AND

CABI is a not-for-profit, inter-governmental, international organization formed by a UN treaty and owned by its member countries, including Bangladesh, with a mission to improve people's lives worldwide by providing information and applying scientific expertise to solve problems in agriculture and the environment.

WHEREAS CABI has mandate to support and implement its programmes in South Asia including Bangladesh and intends to support the implementation of Plantwise backstopping activities and PlantwisePlus as a major international development collaboration programme designed to improve the food security and livelihoods of smallholder farmers. It builds on two earlier successful CABI programmes- Plantwise and Action on Invasives. PlantwisePlus has three "impact pathways":

- (1) pest preparedness, improving the prediction and prevention of, and preparation for, pest threats to farmers' crops.
- (2) farm advisory, providing farmers and advisory service providers (public and private) with better information and digital decision support tools to support sustainable and climate-resilient agriculture; and
- (3) pesticide risk reduction, shifting the way crops are protected, away from high-risk farm inputs towards safer approaches, supporting human health and protecting



Handwritten signature and date: 9.10.25

THE MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) made and entered into by the Bangladesh Agricultural Research Institute, hereinafter referred to as BARI with its head office at Joydebpur, Gazipur-1701, is represented in this MoU by the Director General, BARI.

AND

The CAB International hereinafter referred to as "CABI", with its head office in Wallingford, UK is represented in this MoU by Acting Director – South Asia, India will act as a facilitating entity.

As both parties are either at present playing or committed to play a vital role in galvanizing agricultural research for development sector; strongly advocate capacity building for agricultural innovation system approach, agricultural technology generation and transfer, plant health management and safer crop production and climate smart agriculture etc.; and wish to develop mutually beneficial processes of cooperation and exchange; the parties have generally agreed upon the following:

ARTICLE 1: CABI ENDEAVORS

CABI will provide, subject to its availability of resources and other facilities as may be mutually agreed upon.

- a) Exchange knowledge and expertise on agricultural research, innovation, and development for improving livelihoods of smallholder farmers by helping them to lose less, produce more and trade more in compliance with sanitary and phytosanitary standards.
- b) Create, manage, and disseminate information through training, publications, high level agricultural resources including digital technologies.
- c) Jointly scope for and implement regional and inter-regional agricultural projects related to research, innovation, capacity development and policy advocacy.
- d) Organize activities of mutual interest, including conferences, workshops and training programs in fulfillment of their common goals.
- e) Provide technical support to different research activities of BARI especially in the areas of conservation and sustainable use of microbial biocontrol agents /resources, knowledge management for production of safe and quality food and boosting up export and also undertake such collaborations in other areas of plant health science as mutually agreed upon.



Handwritten signature and date: 09.10.25

ARTICLE 2: BARI ENDEAVORS

BARI will provide, subject to its rules and regulations:

- a) Help CABI to link it with BARI resource hub as may be possible.
- b) Exchange knowledge and expertise on agricultural research, innovation and development.
- c) Provide technical support for conducting research on different aspects of crop production including IPM and popularizing biopesticides and mass rearing of biocontrol agents. CABI would acknowledge the contributions of BARI in mutually agreed terms and styles.
- d) Provide Laboratory, scientists and field facilities to CABI for collaborative research projects.
- f) Collaborate with CABI in joint development and execution of collaborative national, regional and inter-regional agricultural projects as mutually agreed upon.
- e) Organize activities of mutual interest, including conferences, workshops and training programs in fulfillment of their common goals.

ARTICLE 3: MODE OF FUNDING

The Parties agree to use their resources based on availability, as well as secure donor funding, to achieve the above partnership objectives and agree to take joint ventures on a resource-sharing basis. The CABI and BARI shall make joint approaches to appropriate funding sources. No work and release of funds could be made possible until the signing of separate Work and Fund Utilization Contract (WFC) as an appendix to this MoU, as and when such opportunities are explored/tapped. Such WFC's will be based on activity/project/programme or otherwise and will supersede commitments made under each of the respective individual activity/project/programme or otherwise.

ARTICLE 4: COMMITMENTS

In pursuance of the above, BARI and CABI commit themselves to the Memorandum of Understanding (MoU) that will assist both the parties in strengthening their relationship through complementary and collaborative activities.

ARTICLE 5: MONITORING AND EVALUATION

Research and development activities to be carried out within the perspectives of the MoU will be periodically monitored and evaluated jointly by BARI and CABI.


09.10.23

ARTICLE 6: CONFIDENTIALITY

Each Party agrees to keep confidential information in strict confidence and to take all reasonable precautions to prevent its unauthorized disclosure to any third party. The Parties agree not to use such confidential information for any purpose other than for mutual benefit.

ARTICLE 7: RECOGNITION

Each party would give due recognition to the contribution made by the other party. If production and marketing of any commodity of BARI origin is launched, CABI will recognize BARI's contribution in mutually agreed manner and vis-versa.

ARTICLE 8: MODIFICATION

The parties to this MoU may add, modify, amend or delete any part of the agreement through mutual understanding.

ARTICLE 9: EFFECT

This Memorandum of Understanding will come into effect on the date of signing and remain in force for a period of five (05) years. It will automatically be extended for a similar period of time unless either party notifies the other party to not extend this MoU at least 6 (six) months before its expiration.

ARTICLE 10: IMPLEMENTATION

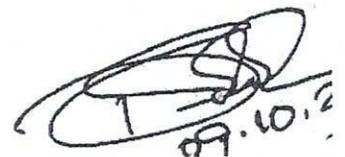
BARI and CABI will designate member(s) of their staff to work out practical details of cooperation between the two organizations and in general to ensure proper and effective implementation of this MoU.

ARTICLE 11: INTER-INSTITUTIONAL LINKS

Both parties will encourage the establishment of inter-institutional links between their relevant scientific research centers and institutes through collaborative research projects envisaged under this MoU.

ARTICLE 12: PUBLICATION

Any publication, document and/or paper arising out of joint work conducted by the parties pursuant to this MOU will be jointly owned. The use of the name, logo and/or official emblem of participants on any publication, document and/or paper will require prior permission of both the parties. It may, however, be ensured that the official emblem and logo is not misused.



A handwritten signature in black ink, appearing to be 'T. S. S.', is written over the date '17.10.2'. The signature is enclosed in a large, loopy oval.

ARTICLE 13: CONFLICTS AND RESOLUTION

Gaps in understanding of any provisions of this agreement or conflicts, if arise during execution of this agreement, shall be resolved through discussion between the heads/ senior official of the two parties an such understanding or conflicts would be resolved through verbal or written resolution as deemed fit.

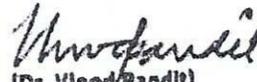
ARTICLE 14: TERMINATION

This agreement shall terminate if either of the parties serves written notice to the other expressing its intention to terminate it, in which event the agreement shall terminate at the end of six calendar months from the date of issue of the written notice.

In WITNESS WHEREOF, the parties have herein signed this agreement on the 09 October 2023.



(Dr. Debasish Sarkar)
Director General
BARI, Joydebpur, Gazipur
Bangladesh
Date:



(Dr. Vinod Pandit)
Acting Director - South Asia,
2nd Floor, CG Office Block,
O P Shastri Marg
NASC complex, Pusa
New Delhi, India
Date: 09 October, 2023

Witness 1:

Signature:

Name:

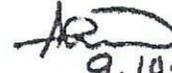
Address:

Witness 2:

Signature:

Name:

Address:


9.10.2023
Dr. Ashraf Uddin
CSO, T2C, BARI


9.10.23
M. Nimal Kuman
CSO Head
Entomology Division
BARI, Gazipur

Witness 1:

Signature:

Name:

Address:

Witness 2:

Signature:

Name:

Address:


Dr. Md. Saleh Ahmed, CAB I
Progress Kohinor
2-B, House-18, Road-10
Julshan-1, Dhaka
Sonom
Homaira Jahan Sonom
program officer, CAB I
Tongi, Dhaka.



খদ ৮৭৬০২৮৭

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

**BANGLADESH AGRICULTURAL RESEARCH INSTITUTE (BARI) JOYDEBPUR,
GAZIPUR-1701**

AND

SYNGENTA BANGLADESH LIMITED

**GREEN RAWSHAN ARA TOWER, 55 SATMASJID ROAD, DHANMONDI
DHAKA -1205**

FOR

**COLLABORATION ON RESEARCH, DEVELOPMENT AND PROMOTION OF
TECHNOLOGY TRANSFER FOR CROP PROTECTION**

NOVEMBER 2023

[Handwritten signature]

“দেশপ্রেমের শপথ নিন, দুর্নীতিকে বিদায় দিন”



খদ ৮৭৬০২৮৮

RATIONALE

Syngenta Bangladesh Limited, a joint venture company between Syngenta AG, Basel, Switzerland and Bangladesh Chemical Industries Corporation (BCIC), is involved in agribusiness since the early seventies. Syngenta Bangladesh Limited, has developed a nationwide network for the smooth distribution of agricultural inputs- pesticides, sprayers, and seeds.

Syngenta has well-equipped Formulation Plant at Chittagong, Learning & Development Centre at Bogura supported by five distribution sites spread all over the country reflects its long-term commitment in Bangladesh. Presently Syngenta enjoys a market share of around 35% in the pesticides market of Bangladesh. The agribusiness concepts of Syngenta is to focus on Agriculture and as a result Syngenta Bangladesh Limited has started marketing hybrid vegetable seeds since 2000. Considering the potentiality and shortfall of different high yielding vegetable seeds, Syngenta has decided to marketing hybrid vegetable and flower seeds and locally developed BARI vegetable seeds.

WHEREAS Syngenta intends to disseminate and/or promote technologies developed by BARI.

AND

WHEREAS Bangladesh Agricultural Research Institute (BARI) is the largest multi-crop research institute conducting research on a wide variety of crops, such as cereals, tubers, pulses, oilseeds, vegetables, fruits, spices, flowers, etc.

WHEREAS BARI has an established network of research station in different parts of Bangladesh and has wider access to information, research materials, parent line and agricultural technologies.

WHEREAS BARI has developed many agricultural technologies and it intends to transfer/disseminate this technological information to the farming communities through various based sources.

WHEREAS in consideration of the aforesaid facilities and needs of services and of mutual covenants, stipulations and other related considerations, both BARI and Syngenta have arrived at an understanding and agreement.

THE MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) made entered by the Bangladesh Agricultural Research Institute, herein after referred to as BARI with its head office at Gazipur-1701, is represented in this MoU by the Director, Training and Communication Wing.

AND

Syngenta Bangladesh Limited herein after referred to as Syngenta with its corporate office at Green Rawshan Ara Tower, 55 Satmasjid Road, Dhanmondi, Dhaka -1205, Bangladesh is represented in this MoU by the Managing Director, Syngenta Bangladesh Limited.

“দেশপ্রেমের মাপথ নিন, দুর্নীতিকে বিদায় দিন”

As both parties are either at present playing or committed to play vital role in making available the advanced/updated agricultural information available for the Agricultural development of Bangladesh and supplement each other in Agricultural research and development (R & D), agricultural technology transfer,

crop diversification and of the mutual understanding, stipulations and other considerations set forth hereinafter, the parties have generally agreed upon the following;

1. BARI would provide support with released varieties and other technologies, as may be available. Syngenta would acknowledge the contribution of BARI in mutually agreed terms and styles and in this case, Syngenta will pay for the services and materials as per existing rules and regulation of BARI.
2. BARI would provide matured technological information and planting materials to Syngenta for transferring to farmers. Syngenta would disseminate and promote technologies with due recognition of BARI's materials.
3. BARI would provide technical assistance, resources persons and training, as may be available, to personnel of Syngenta Bangladesh Limited for the latter's capacity building under the existing and/or mutually agreed norms and regulations. In such case, Syngenta Bangladesh Limited will bear all the expenses.

COMMITMENTS

In pursuance of the above, BARI and Syngenta commit themselves to the Memorandum of Understanding (MoU) that will assist both the parties in strengthening their relationship through complementary and collaborative activities.

ARTICLE 1: Syngenta ENDEAVORS

- a) Syngenta will provide, subject its business interests and availability of resource and other facilities and as may be mutually agreed upon.
- b) Facilities for adaptive trials of BARI technologies in different districts of the country through its (Syngenta) personnel network.
- c) Facilities for dissemination of BARI technologies to farmers through its (Syngenta) network of contract grower and members.
- d) Participate in seminars, policy and stakeholder dialogues, workshops, etc. organized solely by BARI or in partnership with BARI.

ARTICLE 2: BARI ENDEAVORS

BARI will provide, subject to its rules and regulations:

- a) Help Syngenta Bangladesh Limited to link BARI scientists and knowledge hub as may be possible and to make available technological information for the farmers.
- b) Help Syngenta Bangladesh Limited to update and enrich its existing content development as may be possible.
- c) Help Syngenta Bangladesh Limited for matured technologies, released varieties for dissemination/transfer to the benefits of farming communities.
- d) Technical assistance, resource persons and/or training, as may be available, for capacity building to Syngenta Bangladesh Limited personnel in which case, the expenses will be borne by Syngenta.
- e) Participate in seminars, policy and stakeholder dialogues, workshops, etc. organized solely by BSAFE Foundation or in partnership with BSAFE Foundation.

The expenses, in all classes, will be borne by Syngenta Bangladesh Limited under the existing rules and/or mutually agreed norms and regulation.

B. Schu

H. K.

ARTICLE 3: MONITORING AND EVALUATION

All activities to be carried out within the perspectives of the MoU will be periodically monitored and evaluated jointly by BARI and Syngenta Bangladesh Limited. Both Parties agree to establish a Joint Working Group (JWG) which will include representatives from Syngenta Bangladesh Limited (one or two concern personnel or project leaders) and BARI (one or two concern personnel or project leaders will be nominated by DG, BARI). Syngenta Bangladesh Limited will produce an annual performance report related with this MoU to BARI authority.

ARTICLE 4: RECOGNITION

Each party would give due recognition to the contribution made by the other party. If production and marketing of any commodity of BARI origin is launched, Syngenta Bangladesh Limited will recognize BARI's contribution in mutually agreed manner.

All the material placed in the public domain is subject to joint advertising, following the communication guidelines of all signing parties, and shall display logo of both the parties. Any publicity deriving from this joint activity and funded with individual party resources should be approved in advance by both the parties.

ARTICLE 5: MODIFICATION

The parties to this MoU may add, modify, amend, or delete any part of the agreement in written form through mutual understanding. The addendum and/or subtraction of this MoU shall be in writing and signed by both parties.

ARTICLE 6: EFFECT

The agreement will take effect on signing by both the parties, subject to confirmation of governing body/council or head of organization and shall be effective in full force therefore for a period of 03 (three years).

ARTICLE 7: CONFLICTS AND RESOLUTION

Gaps in understanding of any provisions of this agreement or conflicts, if arise during execution of this agreement, shall be resolved through discussion between the heads/ senior official of the two parties and such understanding or conflicts would be resolved through verbal or written resolution as deemed fit.

[Handwritten signature]

[Handwritten signature]



দ ৮৭৬০২৯০

ARTICLE 3: TERMINATION

This agreement shall terminate if either of the parties serves written notice to the other expressing its intention to terminate it, in which even the agreement shall terminate at the end of six calendar month's from the date of issue of the written notice.

In WITNESS WHEREOF, the parties have herein signed this agreement on the 07th November 2023 at BARI, Gazipur.

Hedayet

Mohammad Hedyat Ullah
Managing Director
Syngenta Bangladesh Limited
Green Rawshan Ara Tower,
55 Satmasjid Road, Dhanmondi, Dhaka

Tariqul Islam
07.11.2023

Dr. Md. Tariqul Islam
Director
Training & Communication Wing
Bangladesh Agricultural Research Institute
Gazipur

Witness 1:
Signature:

Mohammad Shahidul Islam
Name: Mohammad Shahidul Islam
Address: Director
Business Sustainability and External Affairs
Syngenta Bangladesh Limited, Dhaka

Witness 1:
Signature:

Dr. Ashraf Uddin Ahmed
Name: Dr. Ashraf Uddin Ahmed
Address: Chief Scientific Officer
Training & Communication Wing
BARI, Gazipur, Bangladesh

Witness 2:
Signature:

Md. Shahanur Parvez
Name: Md. Shahanur Parvez
Address: Manager
Regulatory Affairs
Syngenta Bangladesh Limited, Dhaka

Witness 2:
Signature:

Dr. Md. Emran Khan Chowdhury
Name: Dr. Md. Emran Khan Chowdhury
Address: Senior Scientific Officer
Training & Communication Wing
BARI, Gazipur, Bangladesh

“দেশপ্রেমের শপথ নিন, দুর্নীতিকে বিদায় দিন”





৯৬১৪১৬৮

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

BANGLADESH AGRICULTURAL RESEARCH INSTITUTE (BARI)
GAZIPUR-1701

AND

MEDINA TECH LIMITED
HOUSE: 25, ROAD: 4, BLOCK: F, BANANI, DHAKA-1213

FOR

COLLABORATION IN ARTIFICIAL INTELLIGENCE BASED DIGITAL
FARMING TECHNOLOGY RESEARCH & DEVELOPMENT AND
PROMOTION OF BARI TECHNOLOGY

February 2024

M.A

“দেশপ্রেমের শপথ গিন, দুর্নীতিকে বিদায় দিন”



৩৭৮৮১৭৭

RATIONALE

Bangladesh Agricultural Research Institute (BARI) is the largest multi-crop research institute conducting research on a wide variety of crops, such as cereals, tubers, pulses, oilseeds, vegetables, fruits, spices, flowers, etc.

WHEREAS BARI has developed huge improved varieties, a large number of agricultural technologies and it intends to transfer/disseminate this technological information to the farming communities through different stakeholders.

AND

Medina Tech Limited is a Software Company located in Dhaka, Bangladesh, providing Machine Learning based SaaS Solutions & Dr.Chashi is Medina Tech Limited's sister concern aggrotech product providing data driven digital farming solutions to automate farming & gardening activities at various stages of the Agriculture Value Chain & ensuring Food Safety & Sustainability. Dr.Chashi works by Artificial Intelligent (AI) technique and it is an advanced form of machine learning that uses neural networks to mimic the human brain. Deep learning algorithms allow AI systems to analyze complex data sets, such as images or videos, and identify patterns, symbols, and objects within them.

Medina Tech Limited is devoted to support the outreach and implementation of Dr.Chashi as, Dr.Chashi needs enormous support and collaboration from the government agricultural organizations such as BARI to collaborate with us in research, content verification of the software Dr.Chashi, recommended content analysis and information adding to the system. Medina Tech Limited also intends to provide necessary technological support to BARI and implement advanced Artificial Intelligence techniques in the agriculture domain of Bangladesh.

WHEREAS Medina Tech Limited also needs necessary support to train their Agriculturists to enhance their knowledge and capacity build up. Medina Tech Limited intends to disseminate and promote various agricultural inputs & technologies developed by BARI.

WHEREAS Medina Tech Limited is willing to recognize the contribution that BARI may make towards the activities of Dr.Chashi.

WHEREAS in consideration of the aforesaid facilities and needs of services and of mutual convenants, stipulations and other related considerations, both BARI and Medina Tech Limited have arrived at an understanding and agreement.

M.A

“দেশপ্রেমের শপথ নিন, দুর্নীতিকে বিদায় দিন”

THE MEMORANDUM OF UNDERSTANDING

Bangladesh Agricultural Research Institute with its head office at Gazipur-1701, (hereinafter referred to as "BARI") which expression shall, unless excluded by or repugnant to the subject or context, mean & include its successor-in-interest, legal representatives, administrators, executors and permitted assigns) will act as PART ONE.

AND

Medina Tech Limited with its registered office in Plot: 47, Road: 11, Block:H, Bir Khademul Bashar Sharak, Banani, Dhaka-1213, Bangladesh having the Trade License Number: 190652 will act as PART TWO.

As both parties are either at present playing or committed to play vital role in the research, crop production and generation of new technologies making available the advanced/ updated agriculture information available for the Agricultural development of Bangladesh and supplement each other in agricultural research and development (R & D), agricultural technology generation and transfer, crop diversification and of the mutual understanding, stipulations and other considerations set forth hereinafter, the parties have generally agreed upon the following;

1. This Memorandum of Understanding (MoU) expresses mutual acceptance between the two parties to make available innovative technologies and the advanced agricultural technological information for the farmers, extension workers and researchers. Here it is mentionable that BARI is a treasure of new varieties, agri knowledge and advanced information. MTL would acknowledge the contributions of BARI in mutually agreed terms & conditions and existing policies.
2. BARI would provide improved information and knowledge to Medina Tech Limited for transferring to farmers. Dr.Chashi would disseminate and promote information with due recognition of BARI's materials.
3. Agree to act in good faith to ensure that the improved varieties, new technologies, generated agricultural information and advice provided to farmers to the best of their knowledge, accurate, reliable, and validated and in accordance with generally accepted good agricultural practices, however, neither party makes any guarantee in this regard.
4. For each activity undertaken jointly by parties signing this MoU, the method of attribution will be determined upon mutual consent between both the parties.

COMMITMENTS

In pursuance of the above, BARI and Medina Tech Limited commit themselves to the Memorandum of Understanding (MoU) that will assist both the parties in strengthening their relationship through complementary and collaborative activities.

ARTICLE I: MEDINA TECH LIMITED (DR. CHASHI) ENDEAVORS

MEDINA TECH LIMITED WRT. DR.CHASHI will provide, subject its business interests and availability of resource and other facilities and as may be mutually agreed upon.

- a) Take necessary responsibilities to make available the data, technologies, updated agricultural cultivation related technological information for the farmers in a user friendly way which is validated and highly customized.
- b) Give the preference on the user feedback and develop the product/ services accordingly.
- c) Provide agricultural precision, new technologies and agriculture related technological information to the farmers through Dr.Chashi value chain.
- d) Coordinate with BARI to develop new innovative technologies, update agriculture related technological information and make them available for the farmers through different Dr.Chashi programs.

- e) Collaborate in identifying and exploring innovative models and feedback of farmer's field oriented problems, queries and more broadly, facilitating the transfer of advanced technological knowledge to this group.

ARTICLE 2: BARI ENDEAVORS

BARI will provide, subject to its rules and regulations:

- a) Help Dr.Chashi to link its BARI resource hub as may be possible and to make available new innovation, technological information for the farmers through different government & Agro enterprise personnel.
- b) Provide information on advanced crop cultivation management following IPM and other relevant issues.
- c) Provide necessary technical training to the Medina Tech Limited (Dr.Chashi) to enhance their knowledge and capacity build up.
- d) Collaboration with the Soil Science Division, Plant Pathology Division, IPM Lab & Hydroponics Culture Division for developing advanced technological products.

ARTICLE 3: MONITORING AND EVALUATION

Research and development activities to be carried out within the perspectives of the MoU will be periodically monitored and evaluated jointly by BARI and Medina Tech Limited. Medina Tech Limited will produce an annual performance report related to this MoU to BARI authority.

ARTICLE 4: RECOGNITION

1. Each party would give due recognition to the contribution made by the other party. If production and marketing of any commodity of BARI origin is launched, DR.CHASHI will recognize BARI's contribution in a mutually agreed manner.
2. All the material placed in the public domain is subject to joint advertising, following the communication guidelines of all signing parties, and shall display logos of both the parties. Any publicity deriving from this joint activity and funded with individual party resources should be approved in advance by both the parties.

ARTICLE 5: MODIFICATION

The parties to this MoU may add, modify, amend or delete any part of the agreement through mutual understanding.

ARTICLE 6: EFFECT

This Memorandum of Understanding is valid for a period of 03 (three) years starting from the date of its signature by both the parties until either party serves 30 days' notice for termination of the MoU.

Dr. Chashi
M.A



নং ৩৭৮৮১৭৯

ARTICLE 7: CONFLICTS AND RESOLUTION

Gaps in understanding of any provisions of this agreement or conflicts, if arise during execution of this agreement, shall be resolved through discussion between the heads/senior officials of the two parties and such understanding or conflicts would be resolved through verbal or written resolution as deemed fit.

ARTICLE 8: TERMINATION

This agreement shall terminate if either of the parties serves written notice to the other expressing its intention to terminate it, in which even the agreement shall terminate at the end of six (06) calendar month's from the date of issue of the written notice.

In WITNESS WHEREOF, the parties have herein signed this agreement on the 20 February 2024 at Bangladesh Agricultural Research Institute, Gazipur.

Medina Ali
Managing Director
Medina Tech Ltd.
Banani, Dhaka 1213

20.02.2024

Dr. Md. Tariqul Islam
Director (T&C)
Bangladesh Agricultural Research Institute
Gazipur

Witness 1:

Signature:

Name: Md. Moktadir Hossain
Address: Executive Director
Medina Tech Ltd
Banani, Dhaka 1213

Witness 1:

Signature:
20.02.2024

Name: Dr. Ashraf Uddin Ahmed
Address: Chief Scientific Officer
Training & Communication Wing
BARI, Gazipur

Witness 2:

Signature:

Name: Shamiran Biswas
Address: Lead Agriculturist
Medina Tech Ltd
Banani, Dhaka 1213

Witness 2:

Signature:

Name: Dr. Md. Emran Khan Chowdhury
Address: Senior Scientific Officer
Training & Communication Wing
BARI, Gazipur

“দেশপ্রেমের শপথ নিল, দুর্নীতিকে বিদায় দিন”





ধব ৩৭৮১১৭৪

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

BANGLADESH AGRICULTURAL RESEARCH INSTITUTE (BARI)
Gazipur-1701

AND

ABEDIN EQUIPMENT LIMITED
B52, Kemal Ataturk Avenue, Banani, Dhaka-1213

FOR

**COLLABORATION IN RESEARCH, DEVELOPMENT AND
PROMOTION OF BARI DEVELOPED AGRICULTURAL ENGINEERING
TECHNOLOGY**

November 2023

“দেশপ্রেমের সপথ নিব, দুর্নীতিকে বিদায় দিব”



খব ৩৭৮৮১৭৩

RATIONALE

Abedin Equipment Limited (AEL), a Group QA company, has been engaged in import, marketing and providing after-market sales & service of Agricultural Machinery sourced from Global Brands. AEL is a business organization works for the development of agriculture sector in Bangladesh. AEL has come with an aim to assist farmers to get better way of farming to make available strategic and material support in farming and reach latest technologies of farming to the remote areas for execution of innovation through farmers. The people's republic of Bangladesh has been emphasizing largely on mechanization in every steps of crop production. The government is encouraging the manufacturing of local agricultural machinery and spare parts. We, Abedin Equipment Ltd. will set-up a modern workshop with standard equipment for assembling/manufacturing of agricultural machineries and spare parts to meet our essential in-house requirement as well as import materials.

WHEREAS AEL needs updated Local agri. machinery support to make them available for the farmers;

WHEREAS AEL needs necessary technical supports for skill development of concerned AEL manpower and also needs technical assistance for customizing the local and imported machineries;

AND

WHEREAS Bangladesh Agricultural Research Institute (BARI) is efficient multi-disciplinary research institute conducting research on a wide range of agricultural machinery;

WHEREAS BARI has an established network of research station in different parts of Bangladesh and has wider access to research materials and agricultural technologies;

WHEREAS BARI has developed a large number of agricultural technologies and it intends to transfer/disseminate these technological information to the farming communities through different local manufacturers.

AND

WHEREAS AEL intends to develop the agri machinery manufacturing workshop to make local Agricultural Machinery and also make them available for farmers/ field extension workers/ researchers;

WHEREAS AEL intends to disseminate and promote these agricultural machineries with technological specification developed by BARI;

WHEREAS AEL is willing to recognize the contribution that BARI may make towards the activities of AEL;

দেশপ্রেমের শপথ নিন, দুর্নীতিকে "সিঁদুর দিন"

AND

WHEREAS in consideration of the aforesaid facilities and needs of services and of mutual covenants, stipulations and other related considerations, both BARI and AEL have arrived at an understanding and agreement.

THE MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) entered into by the Bangladesh Agricultural Research Institute, herein after referred to as BARI having its head office at Gazipur 1701, is represented in this MoU by the Director (Training and Communication);

AND

Abedin Equipment Limited (AEL) hereinafter referred to as AEL is duly incorporated under the laws of Bangladesh and the Companies Act 1994 having its registered office at B 52, Kemal Ataturk Avenue, Banani, Dhaka 1213, Bangladesh represented in this MoU by the Chief Financial Officer and Head of Business of Abedin Equipment Limited.

As both parties are either at present playing or committed to play vital role in making available the advanced/ updated agro technologies available for the agricultural development of Bangladesh and supplement each other in Agricultural Research and Development (R & D), agricultural technology generation and transfer and of the mutual understanding, stipulations and other considerations set forth hereinafter, the parties have generally agreed upon the following;

1. This Memorandum of Understanding (MoU) expresses mutual acceptance between the two parties to make available the advanced agricultural technologies information for the farmers, field level officers and researchers. Here it is mentionable that BARI is a treasure of Agro Technologies knowledge. It is one of the dynamic source of knowledge that is updated regularly to keep consistency with the latest innovations and users' feedback. AEL would acknowledge the contributions of BARI in mutually agreed terms and conditions and existing policies.
2. BARI would provide matured agricultural engineering technologies to AEL for transferring to farmers. AEL would disseminate and promote technologies with due recognition of BARI's participation.
3. Agree to act in good faith to ensure that the agricultural machinery manufacturing technology with machine and advice provided to farmers is the best of their knowledge, accurate, reliable, and validated and in accordance with generally accepted farmers and all stakeholders. However, neither party makes any full guarantee in this regard.
4. For each activity undertaken parties jointly signing this MoU, the method of attribution will be determined upon a mutual consent between both the parties, when needed.

COMMITMENTS

In pursuance of the above, BARI and AEL commit themselves to the Memorandum of Understanding (MoU) that will assist both the parties in strengthening their relationship through complementary and collaborative activities.

ARTICLE 1: AEL ENDEAVORS

AEL will provide, subject to its business interests and availability of resource and other facilities and as may be mutually agreed upon.

- a) Take necessary responsibilities to develop updated agricultural machinery with proper technical specifications guide book and related technological recommendation for the farmers which is validated and known to the community.
- b) Give the preference on the user feedback and develop the product/ services accordingly.
- c) Coordinate with BARI to have the updated agriculture related technological recommendation and make them available for the farmers through different promotional program.

ARTICLE 2: BARI ENDEAVORS

BARI will provide, subject to its rules and regulations:

- a) Help AEL to link its BARI knowledge package as may be possible and to make available technological information for the farmers.
- b) Help AEL to skill development of AEL guidance manpower on need basis.
- c) Provide new technological information and assistance on advanced agricultural machinery manufacturing and customization.
- d) Provide necessary technical training to the AEL's field activities to enhance their knowledge and capacity build up for the field condition basis.

The expenses, in all cases, will be borne by AEL under the existing rules and/or mutually agreed terms and regulations.

ARTICLE 3: MONITORING AND EVALUATION

Research and development activities to be carried out within the perspectives of the MoU will be periodically monitored and evaluated jointly by BARI and AEL. AEL will share an annual performance report related with this MoU to BARI authority.

ARTICLE 4: RECOGNITION

1. Each party would give due recognition to the contribution and publicity made by the parties.
2. All the material placed in the public domain is subject to joint advertising, following the communication guidelines of all signing parties, and shall display logo of both the parties. Any publicity deriving from this with individual party resources should be approved in advance by both the parties. Both the parties will maintain the guidelines of Intellectual Property Right in case of using any developed or patented agricultural engineering technologies, as required.

ARTICLE 5: MODIFICATION

The parties to this MoU may add, modify and amend any part of the agreement through mutual understanding.





ঘব ৩৭৮৮১৭৫

ARTICLE 6: EFFECT

This Memorandum of Understanding is valid for a period of three years starting from the date of its signature by the parties until either party serves 30 days' notice for termination of the MoU.

ARTICLE 7: CONFLICTS AND RESOLUTION

Gaps in understanding of any provisions of this agreement or conflicts, if arise during execution of this agreement, shall be resolved through discussion between the heads/ senior official of the two parties as such understanding or conflicts would be resolved through resolution as.

ARTICLE 8: TERMINATION

This agreement shall terminate if either of the parties serves written notice to the other expressing its intention to terminate it, in which even the agreement shall terminate at the end of six calendar month's from the date of issue of the written notice.

In WITNESS WHEREOF, the parties have herein signed this agreement on 30 November 2023 at Bangladesh Agricultural Research Institute, Gazipur.

Md. Amir Hossain, FCMA, FCA
Chief Executive Officer
Abedin Equipment Limited
Banani, Dhaka 1213

30.11.2023

Dr. Md. Tariqul Islam
Director (T&C)
Bangladesh Agricultural Research Institute
Gazipur

Witness 1:

Signature:

Name: Md. Ariful Islam
Address: General Manager
Abedin Equipment Limited
Banani, Dhaka 1213

Witness 1:

Signature:

30.11.2023

Name: Dr. Ashraf Uddin Ahmed
Address: Chief Scientific Officer
Training & Communication Wing
BARI, Gazipur, Bangladesh

Witness 2:

Signature:

Name: Didarul Islam
Address: Coordinator
Abedin Equipment Limited
Banani, Dhaka 1213

Witness 2:

Signature:

Name: Dr. Md. Emran Khan Chowdhury
Address: Senior Scientific Officer
Training & Communication Wing
BARI, Gazipur, Bangladesh

দেশপ্রেমের মাপকাঠি নিন, দুর্নীতিকে বিদায় দিন



APCU-BARC, PARTNER এর MoU এর কার্যকরী কমিটির সভার কার্যবিবরণী

সভাপতি : ড. মো. আবদুল হালাম, সদস্য পরিচালক, পরিকল্পনা ও মূল্যায়ন বিভাগ (প্রতিকল্প) ও সভাপতি, APCU-BARC এর MoU এর কার্যকরী কমিটি, বিএআরসি।
তারিখ : ২২ সেপ্টেম্বর ২০২৫।
সময় : সকাল ১০:৩০ ঘটিকায়।
স্থান : কনফারেন্স রুম-০২, ফার্মগেট, ঢাকা।
উপস্থিতি : পরিশিষ্ট- 'ক'।

আলোচ্যসূচিঃ

- (১) স্বাক্ষরিত এবং সম্ভাব্য MoU বাস্তবায়ন সংক্রান্ত কার্যক্রম পর্যালোচনা।
- (২) বিবিধ

আলোচনাঃ

ড. মো. আবদুল হালাম, সদস্য পরিচালক, পরিকল্পনা ও মূল্যায়ন বিভাগ (প্রতিকল্প) এবং APCU-BARC-এর MoU কার্যকরী কমিটির সভাপতি, উপস্থিত সকলকে স্বাগত জানিয়ে সভার কার্যক্রম শুরু করেন। অতঃপর ড. মো. আশরাফুল আলম, এজেক্সি প্রোগ্রাম ডাইরেক্টর, PARTNER, এপিসিইউ, বিএআরসি বিভিন্ন প্রতিষ্ঠানসমূহের সাথে সম্পাদিত MoU-এর তালিকা ও অগ্রগতি বিষয়ক তথ্য উপস্থাপন করেন।

ক্র.	আলোচ্যসূচী	আলোচনা	সিদ্ধান্ত	বাস্তবায়নকারী
১.	স্বাক্ষরিত ও প্রক্রিয়াধীন MoU-এর হালনাগাদ তালিকা উপস্থাপন	ড. মো. আশরাফুল আলম, এপিডি, APCU-BARC, PARTNER কর্তৃক সকল সংস্থা থেকে প্রাপ্ত স্বাক্ষরিত ও অনুমোদন প্রক্রিয়াধীন MoU-এর একটি হালনাগাদ তালিকা উপস্থাপন করেন। উপস্থাপন শেষে সদস্যদের মতামতের ভিত্তিতে MoU এর কার্যক্রম বাস্তবায়ন নিয়ে আলোচনা করা হয়।	MoU-এর হালনাগাদ তালিকা সদস্যদের পরামর্শ অনুযায়ী চূড়ান্তকরণ ও সংরক্ষণ করতে হবে।	APCU-BARC, PARTNER
২.	স্বাক্ষরিত MoU বাস্তবায়ন প্রক্রিয়া সংক্রান্ত আলোচনা	জনাব ড. মো. ইমরান খান চৌধুরী, উর্ধ্বতন বৈজ্ঞানিক কর্মকর্তা ও পরিচালক, প্রশিক্ষণ ও যোগাযোগ উইং, বারি আলোচনায় অংশ নিয়ে উল্লেখ করেন যে MoU স্বাক্ষরের পর এর কার্যক্রম বাস্তবায়নের দায়িত্ব সংশ্লিষ্ট বিজ্ঞানীর উপর বর্তায়, ফলে অগ্রগতি সংক্রান্ত তথ্য প্রায়শই ফোকাল পয়েন্টের নিকট থাকে না।	MoU-এর বাস্তবায়ন অগ্রগতি সম্পর্কিত তথ্য নিয়মিতভাবে সংশ্লিষ্ট ফোকাল পয়েন্টকে অবহিত করতে হবে।	সংশ্লিষ্ট MoU-এর দায়িত্বপ্রাপ্ত বিজ্ঞানীগণ
৩.	প্রক্রিয়াধীন MoU	IOFS ও BRRI-এর মধ্যে একটি সমঝোতা স্মারক (MoU) স্বাক্ষরের একটি signing ceremony অনুষ্ঠিত হবে। BRRI-এর সাথে IRRRI ও CIMMYT-এর মধ্যে একটি সমঝোতা স্মারক স্বাক্ষরের প্রক্রিয়া চলমান রয়েছে। BARI ও লাল তীর- এর মধ্যে একটি সমঝোতা স্মারক (MoU) স্বাক্ষরের একটি signing ceremony অনুষ্ঠিত হবে। BWMRI ও Golden Enterprising-এর মধ্যে সমঝোতা স্মারকের অনুমোদন প্রক্রিয়া চলমান আছে। BINA-এর সাথে IRRRI -এর মধ্যে একটি সমঝোতা স্মারক অনুমোদনের প্রক্রিয়াধীন রয়েছে। BJRI এর বর্তমানে ০৭টি প্রতিষ্ঠানের সাথে MoU প্রক্রিয়াধীন। BJRI এর নতুন MoU করার জন্য প্রস্তাব:	APCU-BARC- অনুষ্ঠানটি আয়োজন করবে ও একজন প্রতিনিধি উপস্থিত থাকবে। APCU-BARC সর্বাঙ্গিক সহযোগিতা প্রদান করবে। APCU-BARC- অনুষ্ঠানটি আয়োজন করবে ও একজন প্রতিনিধি উপস্থিত থাকবে। APCU-BARC সর্বাঙ্গিক সহযোগিতা প্রদান করবে। APCU-BARC সর্বাঙ্গিক সহযোগিতা প্রদান করবে। এ বিষয়ে একটি কমিটি গঠন:	সংশ্লিষ্ট প্রতিষ্ঠান/বিভাগ

Alam



People's Republic of Bangladesh
Program on Agricultural and Rural Transformation for Nutrition,
Entrepreneurship and Resilience in Bangladesh, PARTNER, APCU- BARC



ক্র.	আলোচ্যসূচী	আলোচনা	সিদ্ধান্ত	বাস্তবায়নকারী
		<ul style="list-style-type: none"> কামাল ইঞ্জিনিয়ারিং (বগুড়া) দি মেটাল (প্রাঃ) লিঃ হোসেন ইঞ্জিনিয়ারিং (গোয়ালন্দ) বিশ্ববিদ্যালয়সমূহের ইঞ্জিনিয়ারিং বিভাগ এলিট গ্লোবাল টি কোঃ আলম এগ্রো ন্যানো জুট বাংলাদেশ সীড এসোসিয়েশন (বিএসএ) ওয়ার্ল্ড ইউনিভার্সিটি বিইউএফটি (BGMEA University of Fashion & Technology) গচিহাটা অ্যাকোয়াকালচার ফার্মস লিঃ কনিকা সীড কোম্পানি (প্রাঃ) লিঃ মা এন্টারপ্রাইজ <p>নতুন MoU /নবায়ন</p> <ul style="list-style-type: none"> কোর-দি জুট ওয়ার্কস ইয়াং বাংলা ম্যানুফ্যাকচারিং ইন্ডাস্ট্রিজ কোঃ লিঃ। ইস্ট ওয়েস্ট সীড (বাংলাদেশ) লিঃ এখন লাল তীর নামে কার্যক্রম চালাচ্ছে; নতুন MoU করতে আগ্রহী। 	<p>বিজেআরআই প্রযুক্তি ব্যবহারকারী প্রতিষ্ঠানগুলো দ্রুত চিহ্নিত করে MoU -এ অন্তর্ভুক্ত করা প্রস্তাব। কার্যক্রম তদারকির জন্য কমিটি গঠন (আস্বায়ক: পরিচালক-কারিগরি; সদস্য: সিএসও কৃষিতত্ত্ব, সিএসও এফকিউআইডি, MoU ফোকাল পয়েন্ট কর্মকর্তা)</p> <p>পাটকাঠি থেকে কাঠকয়লা প্রযুক্তি বিষয়ে আগ্রহ; নতুন MoU তে কৃষিতত্ত্ব বিভাগ যুক্ত করার প্রস্তাব।</p>	
8.	বিভিন্ন স্বাক্ষরিত MoU-এর অগ্রগতি পর্যালোচনা	<p>১. BARI ও CABI: রংপুরে যৌথ গবেষণা ল্যাব স্থাপন সম্পন্ন হয়েছে। CABI এর expert team-BARC ও রংপুর ভিজিট করে।</p> <p>২. BARI ও Michigan State University-এর মধ্যে সমঝোতা স্মারকের আওতায়, APCU-BARC-এর উদ্যোগে তিনজন বিজ্ঞানী বর্তমানে পিএইচডি প্রোগ্রামে গবেষণা কার্যক্রম পরিচালনা করছেন।</p> <p>৩. বাংলাদেশ কৃষি গবেষণা ইনস্টিটিউট (বিএআরআই) এবং আবেদিন ইকুইপমেন্ট লিমিটেডের মধ্যে MoU এর কার্যক্রম হিসেবে বিএআরআই-এর প্রোটোটাইপের ভিত্তিতে Power Tiller Operated Seeder এবং Manual Corn Seedling Transplanter-এর ট্রায়াল উৎপাদন সফলভাবে সম্পন্ন হয়েছে। ২০২৫-২৬ সালের জন্য Abedin Equipment Ltd. এর Potato Digger, High-Speed Rotary Tiller, Hybrid Dryer, Maize Harvester & Sheller প্রভৃতি যন্ত্রের স্ট্যান্ডার্ড উৎপাদন লাইন স্থাপন এর পরিকল্পনা রয়েছে।</p> <p>৪. বাংলাদেশ গম ও ভুট্টা গবেষণা ইনস্টিটিউট (বিড্রিউএমআরআই) এবং কারিভাস বাংলাদেশ-এর মধ্যে MoU: গমের ৮টি উন্নত জাত এবং ভুট্টার ৬টি জাতের প্রদর্শনী কার্যক্রম ইতোমধ্যে সফলভাবে সম্পন্ন হয়েছে। চট্টগ্রাম পার্বত্য এলাকায় ২০০টি এবং কালাপাড়ায় ৫৮টি প্রদর্শনী সম্পন্ন হয়েছে। এসব</p>	<p>CABI শীঘ্রই APCU-BARC-কে একটি work plan প্রদান করবে। Progress review করা হবে।</p> <p>আবেদিন ইকুইপমেন্ট একটি work plan জমা দিয়েছে। সেটা review করা হবে।</p> <p>APCU-BARC-কে একটি work plan প্রদান করবে।</p>	সংশ্লিষ্ট প্রতিষ্ঠান/বিভাগ

Jalam



People's Republic of Bangladesh
Program on Agricultural and Rural Transformation for Nutrition,
Entrepreneurship and Resilience in Bangladesh, PARTNER, APCU- BARC



ক্র.	আলোচ্যসূচী	আলোচনা	সিদ্ধান্ত	বাস্তবায়নকারী
		<p>কার্যক্রমের মাধ্যমে ৩৫ একর জমিতে উচ্চফলনশীল ভুট্টা চাষ সম্প্রসারিত হয়েছে এবং ৫টি জেলায় ৩০৮ জন কৃষকের মাঝে উন্নত বীজ বিতরণ করা হয়েছে। এ ছাড়া স্থানীয় মিডিয়ায় ৫টি কভারেজের মাধ্যমে কার্যক্রমের প্রচারও করা হয়েছে।</p> <p>৫. BARI and Syngenta BD: স্টুয়ার্ডশিপ অ্যান্ড এনগেজমেন্ট, Syngenta BD Ltd. এবং বিএআরআই-এর মধ্যে চলমান ও প্রস্তাবিত বেশ কিছু গুরুত্বপূর্ণ সহযোগিতামূলক কার্যক্রম উপস্থাপন করেন। এর মধ্যে রয়েছে শাকসবজি ও ডাল ফসলে উন্নত বীজ সরবরাহ ও গবেষণা, জ্ঞান বিনিময় সেশন ও এক্সপোজার ডিজিট আয়োজন, কৃষকদের জন্য প্রযুক্তি হস্তান্তর ও প্রশিক্ষণ কর্মসূচি পরিচালনা, এবং কীটনাশক, সার ও গ্রোথ রেগুলেটরের উপর অভিযোজনমূলক গবেষণা। এছাড়াও, কৃষিক্ষেত্রে ডোন প্রযুক্তি ব্যবহারে যৌথ পরীক্ষা এবং নিরাপদ ও টেকসই চাষাবাদ পদ্ধতি প্রচারের উদ্যোগগুলো আলোচনায় তুলে ধরা হয়।</p> <p>৬. BARI ও Virginia Tech (USA): USAID এর অর্থায়ন বন্ধ হওয়ার কারণে কার্যক্রম স্থগিত রয়েছে।</p> <p>৭. BJRI ও Mayfair Stylewear, Bangladesh: কার্যক্রম চলমান রয়েছে।</p> <p>৮. BARI ও Medina Tech Limited: সফটওয়্যারের কার্যকারিতা সম্পর্কে আলোচনা উত্থাপন করা হয়।</p> <p>৯. BARC ও Yunnan Academy of Agricultural Sciences (YAAS): বাংলাদেশি শিক্ষার্থীদের জন্য স্কলারশিপ সুযোগ ও যৌথ তত্ত্বাবধানে গবেষণা কার্যক্রম বিষয়ে আলোচনা করা হয়। উভয় প্রতিষ্ঠানের মধ্যে বিদ্যমান সমঝোতা স্মারক (MoU)-এর আলোকে উচ্চতর শিক্ষা (এমএস/পিএইচডি) ও প্রশিক্ষণ কর্মসূচিতে বাংলাদেশি শিক্ষার্থী প্রেরণের প্রক্রিয়া ত্বরান্বিত করার উপর গুরুত্ব আরোপ করা হয়। এ লক্ষ্যে, ইয়ুনান এগ্রিকালচারাল একাডেমি এর সাথে একটি work plan করা হয়েছে।</p>	<p>APCU-BARC-কে একটি work plan প্রদান করবে।</p> <p>APCU-BARC-কে একটি work plan প্রদান করবে।</p> <p>APCU-BARC-কে একটি work plan প্রদান করবে।</p> <p>Work plan review করা হবে।</p>	
৫.	Joint Working Group গঠনের প্রস্তাব	<p>ড. মো. আশরাফুল আলম, এজেন্সি প্রোগ্রাম ডাইরেক্টর, PARTNER, এপিসিইউ, বিএআরসি MoU-এর কার্যকর বাস্তবায়নের জন্য একটি Joint Working Group গঠনের প্রস্তাব করেন। বিস্তারিত আলোচনান্তে নিম্নোক্ত কাঠামোয় Joint Working Group গঠনে সম্মত হয়:</p> <p>প্রতিটি MoU এর জন্য সদস্য সংখ্যা: ৬-৭ জন (BARC থেকে ২, APCU-BARC থেকে ১, সংশ্লিষ্ট প্রত্যেক প্রতিষ্ঠান থেকে ২ জন।</p> <p>কার্যপরিধি: ১ মাসের মধ্যে কর্মপরিকল্পনা (Work Plan) প্রণয়ন ও নির্দিষ্ট সময় অন্তর অগ্রগতি পর্যালোচনা।</p> <p>পরিদর্শন: MoU বাস্তবায়ন ক্ষেত্রসমূহ নিয়মিতভাবে পরিদর্শন।</p>	<p>যৌথ কার্যক্রম বাস্তবায়নের জন্য Joint Working Group গঠন করতে হবে। প্রতিটি MoU-এর জন্য আগামী ১ মাসের মধ্যে কর্মপরিকল্পনা প্রণয়ন করতে হবে।</p>	APCU-BARC, PARTNER ও সংশ্লিষ্ট প্রতিষ্ঠান

Jalan



People's Republic of Bangladesh
Program on Agricultural and Rural Transformation for Nutrition,
Entrepreneurship and Resilience in Bangladesh, PARTNER, APCU- BARC



সভাপতি মহোদয় উপস্থিত সকলকে ধন্যবাদ জ্ঞাপন করে সভার সমাপ্তি ঘোষণা করেন।

Jalau
২০/০৯/২০১৫

(ড. মোঃ আবদুছ হালিম)

সদস্য পরিচালক, পরিকল্পনা ও মূল্যায়ন বিভাগ (প্রতিকল্প)

এবং

সভাপতি

APCU-BARC এর MoU বিষয়ক কমিটি

বিএআরসি।

ফোন: ০১৫৫২৩৯৮৫০৪

md.crops@barc.gov.bd

**Program on Agricultural and Rural Transformation for Nutrition,
Entrepreneurship, and Resilience in Bangladesh**

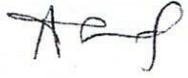
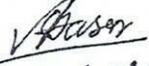
PARTNER, APCU-BARC

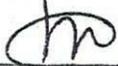
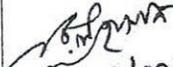
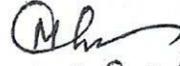
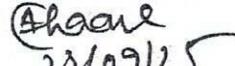
Bangladesh Agricultural Research Council

Farmgate, Dhaka-1215

Attendance Sheet

Meeting Subject: MoU Working Committee Meeting

Sl. No	Name, Designation, Organization	Mobile No. & Email	Date: 22/09/2025
			Signature
	Dr. Md. Abdus Salam MD (crmps), BARC	01552398504	
	Dr. Md. Ashraful Alam APD, PARTNER, BARC	01716837719 ashrafulw@ yahy.com.	
	Moin UG Salam Consultant (HRD) PARTNER, APCU-BARC	01855871938 moinsalam1@ gmail.com	
	Kazi Kaïmul Islam Principal Scientific Officer SRDI	01716684946 kaïmul.ksm @gmail.com	
	Md Kaleir Ikramul Haque NRE consultant. APCU-BARC-	01711466424 kikramhaque@gmail.com	
	Dr. Md. Ashrafuel Alam DPD (Development) BARC	01717355550 ashraf1982@ gmail.com	 22/09/25
	Dr. ABM Khaldun PSO (PSE), BARC	01717850140 abkhaldu@ gmail.com	 22/09/2025

Sl. No	Name, Designation, Organization	Mobile No. & Email	Date: 22/09/2025
			Signature
	Md. Mustafizur Rahman, BARC	01717-171986	 22.09.2025
	Dr. Md. Habibur Rahman ESO & Head Planning & Dev., BINA	0173030477	 22/9/25
	Dr. K M Rezaul Karim PSO, Head Planning BSRI	01760167867	 24/9/25
	Dr. Mir Nurul Hasan Mahmud SSO, TOC, Director Research Office	01716963384	 22/09/2025
	Md. Mahmudul Hasan Senior Seed Production Officer, CDB	01747225646	 22/09/2025
	Md. Enamul Haque senior scientific officer BWMRI, Dinajpur	01686109336 enamulbau50@gmail.com	 22/09/25