

**Training
on
“Value Chain Management of Economically
Important Horticultural Crops”**

Course Completion Report



**National Agriculture Training Academy (NATA)
Ministry of Agriculture
www.nata.gov.bd**

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02-06 February 2020

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on
“Value Chain Management of Economically
Important Horticultural Crops”

02-06 February 2020

Course Management

Course Advisor : Dr. Md. Abu Sayeed Miah
Director General (In charge)
NATA, Gazipur

Course Director : Dr. Md. Abu Sayeed Miah
Director (Training)

Course Coordinator : Md. Mahmud Hassan
Deputy Director (Horticulture)
Cell: 01817-066613

Asst. Course Coordinator : 1. Md. Eskandar Hossain
Senior Assistant Director (Vegetables & Spices)
NATA, Gazipur
Cell: 01938-615225

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Introduction:

National Agriculture Training Academy (NATA) is the apex training academy under the Ministry of Agriculture (MoA). NATA organizes training programs on the basis of the needs of 16 organizations under the MoA. At present, Value Chain Management of Economically Important Horticultural Crops is crucial demand for different organization. To meet up the special needs of the personnel of different organizations under the MoA, NATA has designed this training course. The participants will be equipped with value chain knowledge from this training programme.

Objective of the Course:

After completion of the course, the participants will able to understand the concepts of Value Chain Management & challenges of fresh horticultural crops in Bangladesh so that the participants can measure to combat challenges. The participants were also aware about standard practices of harvesting, sorting, grading and washing for horticultural crops so that they can conceptualize it and promote standard practices of harvesting, washing, sorting and grading of horticultural crops issue in their real job situation. Value Chain Management practices will also help in Bangladesh for raising awareness and developing technical capacity to apply improved postharvest practices efficiently.

Duration of the Course: Five daylong training course organized from 02-06 February 2020

Course Content:

SL. No. Title of the contents

- 1 Importance of value chain in commercial agriculture
- 2 Concept of subsistence vs. commercial agriculture
- 3 Present scenario of commercially important horticultural crops in Bangladesh
- 4 Export potential of potato in Bangladesh
- 5 Value chain analysis of vegetables
- 6 Agricultural transformation and commercialization of agriculture
- 7 Marketing concept of agro-commodities
- 8 Business plan development of horticultural crops

- 9 Present Status of agro-processing in Bangladesh
- 10 Quality assurance system of horticultural crops
- 11 Challenges of fresh horticultural crops in Bangladesh
- 12 Concept of Supply chain
- 13 Supply chain management
- 14 Concept of value chain
- 15 Value chain analysis tools
- 16 Analyze the different sources of added value
- 17 Differentiate the stakeholders in value chain
- 18 Value chain analysis
- 19 Comprehensive value chain analysis of fruits
- 20 Value chain development plan (Group work)
- 21 Value chain Development
- 22 Global Value Chain (GVC)
- 23 Critically assess the effect of globalization on value chain
- 24 Analyze the main operational risks in value chain
- 25 Evaluate the main sources of competitive advantages in value chain
- 26 Packaging and transportation of fresh fruits and vegetables
- 27 Intervention of postharvest technologies in improving fruit value chain in Bangladesh

Training Methods & Materials:

Lecture, Discussion, Exercise, Group Work Practical work and live coaching.

Sports & Recreation:

There is a playground, a tennis court and a volley ball court in NATA campus. So the participants can avail the opportunity to play sports in that areas.

There is also a recreation room with color T.V and indoor games in the dormitory. The daily newspapers were also available in the recreation room for the participants.

Concluding Session

Feedback from the participants

The training was demand driven. It will certainly help them to perform cleaning, packaging and transportation of fresh fruits and vegetables, marketing concept of agro-commodities, evaluate the main sources of competitive advantages in value chain and differentiate the stakeholders in value chain. The topics were very contemporary. The resource persons were topic relevant experts, knowledgeable and veteran. So resource speakers' selection was undoubtedly accurate to cope up with the time demand topics. There was an ample scope to get introduced and exchanged ideas between the officers of different organizations under the Ministry of Agriculture. The time management of the training was definitely excellent. Moreover, residential facilities were better. A new concept of mess management was introduced. Two member's mess committee was formed among the participants upon their choice. The training was carried out maintaining a strong discipline. They got the Wi-Fi facilities in the dormitory. The internet connection in PC was interrupted sometimes due to the problems in submarine cables. They expected to extend the duration of that training and include field exercise/visit. Besides, they requested to arrange a refresher's course for them. In fact, the cooperation of Course Coordinator, Assistant Course Coordinator and the NATA authority was praiseworthy. In a nutshell, the training was incredibly fruitful for them.

Speech by the Course Coordinator

The training on Value Chain Management of Economically Important Horticultural Crops was selected on the basis of training need assessment from the officers of the different organizations under the Ministry of Agriculture. We tried our level best to make the training program successful. For that, we had selected the time demanded course content and expert speakers. Furthermore, we also looked upon the different discipline related issues for smooth running of the training program. We expected that this program would certainly develop their knowledge and skill and made them more confident as well which would accelerate their performance to analyze the different sources of added value efficiently in their own fields.

Speech by the Chief Guest:

This training course is very much essential in the Value chain analysis tools. Value chain analysis tools demand is everywhere. To meet up the demand of digital Bangladesh as well as to become a middle income country and to achieve the goal of vision 2021, the knowledge on Value chain management is inevitable for proper functioning of the govt. and non govt. activities. The Course Coordinator was proficient enough to select the topics related to value chain management. The participants could apply the acquired knowledge and skill in their respective areas competently.

Speech by the Chairperson

This training is need based training. The participants own the Challenges to boost up the production of fresh horticultural crops in Bangladesh. From such consideration, this training course was organized. Throughout the world, value chain management is demand driven and upgrading. This training would be helpful to the quality assurance system of horticultural crops.

Distribution of Certificate

The certificates were distributed among the participants after successfully completion of the training.

Annexure -I

“Value Chain Management of Economically Important Horticultural Crops”

শীর্ষকপ্রশিক্ষণেউপস্থিতপ্রশিক্ষনার্থীদেরতালিকা

সময়কাল: ০২ - ০৬ ফেব্রুয়ারি ২০২০

Sl.	Name	Designation & Posting Place
1	DR. MD. JAHANGIR ALAM	Joint Director, Potia Horticulture Development Center, BADC, Chattogram
2.	ALPINA AKTER	Assistant Manager, Horticulture Development Division, BADC, Dhaka
3.	MT. MIMI TALUKDAR	Assistant director, HDC, BADC, Rajshahi
4.	KAZI IFFAT TAMANNA	Horticulturist, Horticulture Centre, Rajshahi Court, Rajshahi
5.	M. SHADMAN AKOND	Assistant Director (C.G.), BADC, Jashore
6.	MD. SHAHIN RANA	Instructor, Agriculture Training Institute, Sherpur
7.	NANDA DULAL KUNDU	Scientific Officer, BARI, Madaripur
8.	MORSALINA KHATUN	Scientific Officer, BARI, Gazipur
9.	MD. SAIFUL ISLAM	Assistant Director(TC), BADC Cold Storage, Kashimpur, Gazipur
10.	MD. MOHIUDDIN	Horticulturist, Horticulture Centre Langadu, Rangamati
11.	MD. SARIFUL ISLAM	Seed Analyst, Regional Seed Certification Agency, Rajshahi
12.	AMINUL ISLAM	
13.	MD. NASIR UDDIN	Horticulturist, Horticulture Centre, Araihasar, Narayangonj
14.	DR. BHABA SINDHU ROY	Horticulturist, Horticulture Centre, DAE, Bhaturia, Natore
15.	NAYAN KUMER SAHA	Horticulturist, Horticulture Centre, Dinajpur

Sl.	Name	Designation & Posting Place
16.	NAZMUL ALAM KHAN	Scientific Officer, BINA, Substation, Noakhali
17.	MOHAMMAD JOYEL SARKAR	Scientific Officer, BINA, Substation, Khagrachhari
18.	MD. SANOWAR HOSSAIN	Assistant Director, Department of Agricultural Marketing, Cumilla
19.	ALI KABIR	Assistant Director (Training), Department of Agricultural Marketing, Jashore
20.	KISHOR KUMAR SAHA	Assistant Director, Dept. of Agricultural Marketing, Narsingdi
21.	DR. MD. SOROF UDDIN	SSO, Fruit Division, HRC, BARI
22.	MD. NASRUL MILLAT	Upazila Agriculture Officer, Fakirhat, Bagerhat
23.	MONIRUZZAMAN	Senior Scientific Officer, BARI, Gazipur
24.	JOYNULALAM TALUKDER	Horticulture Centre, Shulakia, Kishoreganj
25.	DR. BAHAUDDIN AHMED	SSO, Veg. Division, HRC, BARI
26.	RAIHAN PARVEZ RONY	Horticulturist, Horticulture Center, Sylhet
27.	MD. MAZEDUL ISLAM	Horticulturist, Horticulture center, Dhanbari, Tangail
28.	MD. SAFAT ZAMAN PANIR	Seed Certification Officer, Munshiganj
29.	DR. RAFIQUL ISLAM	PSO, BARI, Gazipur

Annexure –II

List of Resource Persons

SL No.	Name, Designation and Address	Mobile/ e-mail
1	Md. MonjurulHannan MD Hortex Foundation	01745-938170
2	Dr. Mohammad MathurulHaque Ex DG, NATA	01714-688233
3	Mitul Kumar Shaha AGM Marketing , Hortex	01711-370491
4	Prof. Dr. Shankar Kumar Raha SAU, Expert member of Hortex	01710-679071
5	Dr. Md. AnisurRahman Freelance consultant	01720-010936
6	Md. AhsanulHaqueChowdhury UAO (LR), DAE	01688-330330
7	Prof Dr. Mohammad Jahangir Dept. of Agribusiness & Marketing, BAU, Mymensingh	alamban2003@yahoo.com
8	Md. Mahmud Hassan Deputy director (Horticulture), NATA	01905-639737
9	BazlurRahman Supply chain integration and marketing expert, NATP-2, Hortex	01716-373115
10	Dr. AtiqurRahman Post harvest Management Expert, NATP-2, Hortex	01743-134584
11	Dr. MiarUddin CSO, Post-harvest Technology, BARI	01199-825632
12	HafizulHaque Khan PSO, BARI	01715-063263

Training Schedule

Day-01

Value Chain Management of Economically Important Horticultural Crops in Bangladesh

Day: 01, Sunday

Date: 02-02-2020

Time	Topic	Speaker
9.00-9.30	Registration	Sadiqun Nahar, Laboratory Demonstrator, NATA
9.30-10.00	Inaugural session	DG/Faculties/CC
10.00-11.00	Export potential of horticultural crops in Bangladesh	Dr. Md. Saleh Ahmed Mobile: 01712740107 e-mail: saleh4s@yahoo.com
11.00-11.15	Tea break	Cafe boy
11.15-12.15	Present Status of agro-processing in Bangladesh	Dr. Md. Saleh Ahmed Mobile: 01712740107 e-mail: saleh4s@yahoo.com
12.15-1.15	International market entry requirements for horticultural crops	Dr. Md. Saleh Ahmed Mobile: 01712740107 e-mail: saleh4s@yahoo.com
1.15-2.15	Prayer & lunch	Cafe boy
2.15-3.15	Packaging and transportation of fresh fruits and vegetables	Dr. Md. Saleh Ahmed Mobile: 01712740107 e-mail: saleh4s@yahoo.com
3.15-4.15	Intervention of postharvest technologies in improving fruits and vegetables value chain in Bangladesh	Dr. Md. Saleh Ahmed Mobile: 01712740107 e-mail: saleh4s@yahoo.com

Day: 02, Monday**Date: 03-02-2020**

Time	Topic	Speaker
09.00-10.00	Concept of supply chain	Dr.Md. MahbubAlam PMO Specialist, PMU,NATP, BARC Dhaka, Mobile: 01753488788 E-mail: mahbub@consultant.com
10.00-11.00	Supply chain Management	Dr.Md. MahbubAlam PMO Specialist, PMU,NATP, BARC Dhaka, Mobile: 01753488788 E-mail: mahbub@consultant.com
11.00-11.15	Tea Break	Cafe boy
11.15-12.15	Supply chain management of Horticultural crops	Dr.Md. MahbubAlam PMO Specialist, PMU,NATP, BARC Dhaka, Mobile: 01753488788 E-mail: mahbub@consultant.com
12.15-1.15	Lunch & Prayer	Cafe boy
1.15-2.15	Comprehensive value chain analysis of vegetable for export market (Country Bean)	Dr.Md. MahbubAlam PMO Specialist, PMU,NATP, BARC Dhaka, Mobile: 01753488788 E-mail: mahbub@consultant.com
2.15-3.15	Comprehensive value chain analysis of fruit for domestic market (Banana)	Dr.Md. MahbubAlam PMO Specialist, PMU,NATP, BARC Dhaka, Mobile: 01753488788 E-mail: mahbub@consultant.com
3.15-4.15	Challenges of fresh horticultural crops in Bangladesh	Md. Mahmud Hassan Deputy Director (Horticulture) NATA, Gazipur Mobile:01817066613

Day: 03, Tuesday

Date: 04-02-2020

Time	Topic	Speaker
09.00-10.00	Concept of value chain	Dr. Md. AnisurRahman Consultant, NATP Mobile: 01720010936
10.00-11.00	Value chain management	Dr. Md. AnisurRahman Consultant, NATP Mobile: 01720010936
11.00-11.15	Tea break	Cafe boy
11.15-12.15	Importance of value chain in national economy	Dr. Md. AnisurRahman Consultant, NATP Mobile: 01720010936
12.15-1.15	Value chain mapping	Dr. Md. AnisurRahman Consultant, NATP Mobile: 01720010936
1.15-2.15	Prayer & Lunch	Cafe boy
2.15-3.15	Value chain mapping (Group work & presentation)	Dr. Md. AnisurRahman Consultant, NATP Mobile: 01720010936
3.15-4.15	Standard practices of harvesting, sorting, grading and washing for horticultural produce	Md. Mahmud Hassan Deputy Director (Horticulture) NATA, Gazipur Mobile:01817066613

Day: 04, Wednesday

Date: 05-02-2020

Time	Topic	Speaker
09.00-10.00	Concept of Global Value Chain (GVC)	Professor Dr. Jahangir, Dept. of Agribusiness & Marketing, BAU, Mymensingh
10.00-11.00	Comparative features of Global value chain and Bangladesh value chain	Professor Dr. Jahangir Dept. of Agribusiness & Marketing, BAU, Mymensingh
11.00-11.15	Tea break	Cafe boy
11.15-12.15	Critically assess the effect of globalization on value chain	Professor Dr. Jahangir Dept. of Agribusiness & Marketing, BAU, Mymensingh
12.15-1.15	Value chain up gradation	Professor Dr. Jahangir Dept. of Agribusiness & Marketing, BAU, Mymensingh
1.15-2.15	Lunch & Prayer	Cafe boy
2.15-3.15	Global value chain analysis & Governance in value chain analysis	Professor Dr. Jahangir Dept. of Agribusiness & Marketing, BAU, Mymensingh
3.15-4.15	Quality assurance system of horticultural crops	Md. HafizulHaque Khan, PSO, BARI,Gazipur

Day: 05, Thursday

Date: 06-02-2020

Time	Topic	Speaker
09.00-10.00	Rural Business Centre (RBC)	Dr. AtiqurRahman, PSO, BARI, Gazipur.
10.00-11.00	Agricultural Produces Aggregation Model (CCMC)	Dr. AtiqurRahman, PSO, BARI, Gazipur.
11.00-11.15	Tea break	Cafe boy
11.15-12.15	Necessity for value added agro-products development for export market and product diversification	Dr. AtiqurRahman, PSO, BARI, Gazipur.
12.15-1.15	Post evaluation	CC
1.15-2.00	Closing	DG; NATA
2.00-3.00	Prayer & Lunch	Cafe boy

Annexure-IV

Training Course Evaluation by the participants

The topics need to be added

1. Need more Practical class
2. e-nutrition
3. Networking
4. Cultural Program
5. Outing/pleasure trip
6. Recreation
7. Exercise
8. Internet
9. Reaction in Training Schedule
10. Class schedule time 9am-4 pm

Best Training Methods choose by the participants

1. Discussion and group exercise
2. Groupwise problem solution
3. Group discussion

The issues that are disliked by the participants

1. Internet problem
2. Shortage of sport materials
3. Less time for Practice
4. Load shedding
6. Very tight schedule, class even after 5.00pm
7. Shortage of recreation facilities
8. Less Class practice
9. Broken glass and plate in cafeteria
10. No Curtain in dormitory
11. Water logging in bathroom

The others associated issues they liked

1. Topic wise expert resource persons were selected very prudently.
2. Got scope to introduce with other officers of different organizations.
3. Management of dining by mess committee

4. Time management
5. Discipline & management
6. Management of dormitory
7. Expert resource persons
8. Wi-Fi facilities
9. Cooperation of NATA Authority
10. Speakers from A2i were very expert
11. Cooperation of Course Coordinator and Asst. Course Coordinator very remarkable.

Provided Service Quality

1. Neat and cleanliness facilities-80%
2. Library facilities – 100%
3. Audiovisual facilities – 90%

Recommendations for the improvement of the course

1. Uninterrupted internet and electricity supply should be provided
2. Sharing should be available in every PC in ICT Lab
3. Training duration should be increased or divide it into 2 parts
4. Practical class should be more
5. Internet access should be increased
6. Arrangement of Tour or recreation
7. Provide more time for discussion and exercise
8. Evert topic should be installed earlier in each desktop
9. Hard copy of manual of training course
10. LAN Connection should be available
11. Software should have license
12. Sub-centre should be set up for incessant electricity supply
13. Refresher's course should be arranged
14. Increase of honorarium

15. Important class should be conducted in the morning
16. Sports facilities should be available
17. Need expert ICT technical staff
18. Speakers for Photoshop from a2i
19. Common room should be opened upto 12 am.
20. Sports facilities in the morning
21. Single room for single officer

Annexure-V

Resource Speakers Evaluation by the participants

Sl. no	Dr. Atiqur Rahman		Dr. Md. Mahbub Alam PMO Specialist, PMU,NATP, BARC			
1	25	25	20	16		
2	29	29	23	27	27	
3	30	30	18	18	25	
4	30	30	23	25	25	
5	28	30	30	30	30	
6	30	30	25	25	30	
7	29	29	27	27	27	
8	25	25	17	23		
9	25	25	10	11	15	
10	25	25	10	05	10	
11	28	28	22	17		
12	30	29	30	29		
13	26	25	25	25	25	
14	24	24	25	25	25	
15	30	30	25	25	25	
16	24	25	24	24	24	
17			30	30	30	
18	30	30	19	21	22	
19	30	30	20	15	20	15
20	30	30	13	19	25	
21	30	30	25	20	27	
22	20	20	22			
23	22	21	12	11		
Average	27.27		22.06			

Sl. no	Dr. Md. Mahbub Alam PMO Specialist, PMU,NATP, BARC		Dr. Md. Mahbub Alam PMO Specialist, PMU,NATP, BARC			
1	22	22	24	16	15	23
2	24	24	25			
3	26	25	15			
4	28					
5	25	25	30	30	30	
6	23	24	23	24	24	
7	22		05	08	14	
8	29	29	27	28	29	
9	30	30	30	30	30	

10	19	25	19	19	21	
11	11		11			
12	25	25	10	10	25	10
13	25	25	10	15	15	
14	25	25	21	21	25	
15	13	11	12	11	11	
16	22	25	25	22	24	
17	11	11	13	12	13	
18	30	27	30	30	25	
19	29	29	27	23	25	
20	25	26	20	16	19	
21	28	28	22	28	24	
22	26	28	28	29	30	
Average	23.95		20.86			

Sl. no	Dr. Md. Saleh Ahmed					
1	23	25	25	25	25	
2	25	25	25	30	25	
3	29	29	29	30		
4	25	25	25	26		
5	30	30	30	30	30	
6	20	20	20	20		
7	20	20	25	20	25	
8	25	25	25	25		
9	30	30	30	30		
10	21	21	20			
11	30	30	30	28		
12	27	26				
13	09					
14	25	25	25			
15	24	22	22	27	26	
16						
17						
Average	25.32					

Sl. no	Dr. Md. Saleh Ahmed			Dr. Md. Saleh Ahmed	Dr. Main Uddin	Dr. Main Uddin
1	28	28	28	25	25	27
2	26	27	30	26	29	
3	08	09	10	12	12	
4	15	15	25	20	25	
5	25	25	25	20	25	20
6	15	15	10	20	25	

7	28	28	28	21	22	
8	20	20	21	21	17	
9	30	30		22		
10	19	17	13	19	16	21
11	27	27			28	
12	25	23	19	25	25	25
13	27	28	29	26	27	28
14	28	29	30	30	30	30
15	16	16	15	17	16	16
16	27	26	26	24	27	
17	30	30	30	30	30	30
18	23	25	26	18	24	
19	18	21	17	16	18	15
20	23	24	24	25	25	20
21	28	28	23	08	25	21
Average	23.04			21.25	23.55	23

Sl. no	Dr. Md. AnisurRahman			Md. Mahmud Hassan		
1	15	15	18	20	18	22
2	18	15	15	29	29	29
3	30	30	30	25	30	30
4	25	25	25	30	25	
5	24	18	13	16		
6	28	28	25	25	25	25
7	29	30	29	30	30	30
8	26	25	26	26	24	26
9	25	25	20	30	30	30
10	23	25	25	18	18	14
11	20	20	20	20	25	25
12	25	25	22	26	27	26
13	30	30	30	30	30	30
14	25	25	24	25	25	25
15	19	19	19	20	20	20
16	28	27	27	30	29	29
17	30	30	29	29	30	
18	26	26	24	25	21	21
19	12			14		
20	27	25	28	27	27	29
21						
Average	24.08			25.35		

Sl. no	Speaker Name	Comments about speaker
1	Dr. AtiqurRahman	Very good
2	Dr. Md. Saleh Ahmed	Good, Excellent, Very good
3	Dr. Mohammad MathurulHaque	Very good
4	Dr.Md. MahbubAlam PMO Specialist, PMU,NATP, BARC Dhaka, Mobile: 01753488788 E-mail: mahbub@consultant.com	Good, Excellent, Very good
8	Dr. Main Uddin	Good
9	Md. Mahmud Hassan	Very good,
10	Dr. Md. AnisurRahman	VeryGood

Annexure-VI

“Value Chain Management of Economically Important Horticultural Crops”

শীর্ষক প্রশিক্ষণে উপস্থিত প্রশিক্ষণার্থীদের মূল্যায়ন প্রতিবেদন

সময়কালঃ ০২ - ০৬ ফেব্রুয়ারি ২০২০

পূর্ণমান- ৫০

ক্রম	নাম ও পদবী	কর্মস্থল	প্রশিক্ষণপূর্ব মূল্যায়ন	প্রশিক্ষণউত্তর মূল্যায়ন
০১	DR. MD. JAHANGIR ALAM	Joint Director, Potia Horticulture Development Center, BADC, Chattogram	১৭	৪০
০২	ALPINA AKTER	Assistant Manager, Horticulture Development Division, BADC, Dhaka	১২	৩৩
০৩	MT. MIMI TALUKDAR	Assistant director, HDC, BADC, Rajshahi	১০	৩৫
০৪	KAZI IFFAT TAMANNA	Horticulturist, Horticulture Centre, Rajshahi Court, Rajshahi	১৫	৩৩
০৫	M. SHADMAN AKOND	Assistant Director (C.G.), BADC, Jashore	১২	৩১
০৬	MD. SHAHIN RANA	Instructor, Agriculture Training Institute, Sherpur	১০	৪৬
০৭	NANDA DULAL KUNDU	Scientific Officer, BARI, Madaripur	১২	৩৬
০৮	MORSALINA KHATUN	Scientific Officer, BARI, Gazipur	১১	২৯
০৯	MD. SAIFUL ISLAM	Assistant Director(TC), BADC Cold Storage, Kashimpur, Gazipur	১৬	৩৮
১০	MD. MOHIUDDIN	Horticulturist, Horticulture Centre Langadu, Rangamati	১৪	৪০
১১	MD. SARIFUL ISLAM	Seed Analyst, Regional Seed Certification Agency, Rajshahi	১৭	৪১
১২	AMINUL ISLAM		৭	১৬

ক্রম	নামওপদবী	কর্মস্থল	প্রশিক্ষণপূর্ব মূল্যায়ন	প্রশিক্ষণউত্তর মূল্যায়ন
১৩	MD. NASIR UDDIN	Horticulturist, Horticulture Centre, Araihazar, Narayangonj	৪	২০
১৪	DR. BHABA SINDHU ROY	Horticulturist, Horticulture Centre, DAE, Bhaturia, Natore	১০	৪২
১৫	DR. BHABA SINDHU ROY	Horticulturist, Horticulture Centre, DAE, Bhaturia, Natore	৬	১৬
১৬	NAYAN KUMER SAHA	Horticulturist, Horticulture Centre, Dinajpur	১৫	৩২
১৭	NAZMUL ALAM KHAN	Scientific Officer, BINA, Substation, Noakhali	১৩	২৮
১৮	MOHAMMAD JOYEL SARKAR	Scientific Officer, BINA, Substation, Khagrachhari	১০	৪৬
১৯	MD. SANOWAR HOSSAIN	Assistant Director, Department of Agricultural Marketing, Cumilla	১৫	৪১
২০	ALI KABIR	Assistant Director (Training), Department of Agricultural Marketing, Jashore	১৪	৩৩
২১	KISHOR KUMAR SAHA	Assistant Director, Dept. of Agricultural Marketing, Narsingdi	১২	৪০
২২	DR. MD. SOROF UDDIN	SSO, Fruit Divison, HRC, BARI	১৮	৪৬
২৩	MD. NASRUL MILLAT	Upazila Agriculture Officer, Fakirhat, Bagerhat	১২	৩২
২৪	MONIRUZZAMA N	Senior Scientific Officer, BARI, Gazipur	১০	৩১
25	JOYNULALAM TALUKDER	Horticulture Centre, Shulakia, Kishoreganj	১৮	৪৬
26	DR. BAHAUDDIN AHMED	SSO, Veg. Division, HRC, BARI	১৮	৪৬

ক্রম	নামওপদবী	কর্মস্থল	প্রশিক্ষণপূর্ব মূল্যায়ন	প্রশিক্ষণউত্তর মূল্যায়ন
27	RAIHAN PARVEZ RONY	Horticulturist, Horticulture Center, Sylhet	১২	৪০
28	MD. MAZEDUL ISLAM	Horticulturist, Horticulture center, Dhanbari, Tangail	১২	৪০
29	MD. SAFAT ZAMAN PANIR	Seed Certification Officer, Munshiganj	১৮	৪৬
30	DR. RAFIQU ISLAM	PSO, BARI, Gazipur	১৮	৪৬