



Reports on Evaluation of Training impact on two modules of BAEN under SAAS project



November 2018

Background

Bangladesh Agricultural Extension Network (BAEN) is a national platform of agricultural (crops, fisheries and livestock) extension actors and advisory services in Bangladesh. “Extension services for sustainable agricultural productivity” is the Vision of BAEN. The Mission of BAEN is “Sustainable growth in agricultural productivity through identification, documentation and dissemination of good practices in extension approaches for environment friendly socio-economic growth in Bangladesh”. BAEN is a part of the Agricultural Extension in South Asia (AESAs) and the Global Forum for Rural Advisory Services (GFRAS). BAEN has received a fund from International Fund for Agricultural Development (IFAD) through Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) to conduct “Supporting Smallholder Farmers in Asia and Pacific Islands Region through Strengthened Agricultural Advisory Services (SAAS)” project in Bangladesh. The activities of the project has been started. The project in Bangladesh part comprises of four major activities: (1) Capacity assessment of country fora, (2) Human resource capacity building, (3) Strengthening knowledge management, and (4) Policy engagement in high level policy dialogue.

A two-day consultation and planning workshop was conducted to strengthen the BAEN by developing a programme of work after identifying the gaps in current delivery of Capacity Development (CD) programmes of Extension and Advisory Services (EAS) on 01-02 April, 2017. Five thematic areas and action plan were determined in the workshop for improving the capacity of agricultural extension and advisory services (AEAS) in Bangladesh.

1. Adaptation to Climate change for Junior, Middle & Senior level extension

worker: The area of activities are Capacity Need Assessment (CNA) for Capacity development (CD) for all level, Module development for junior level, Piloting of modules (Jr.), Establishment & Development of sector-specific (Crop, Livestock, Fisheries) knowledge Bank for all level and organize Policy dialogue for Senior level

2. Gender and nutrition sensitive extension: The area of activities are Identification of advocacy issues and their strategy development for mid and senior level, Capacity Development by need assessment, module development and piloting for junior level, Policy dialogue for Senior level.

3. Market and value chain development: The area of activities are Identification and scaling up of location specific technology for all level, Linkage development among the value chain actors for all level, CNA for strengthening farmers’ groups for junior level, CD by module development and piloting for junior level and Policy dialogue for Senior level.

4. ICT for management, monitoring and knowledge management: The area of activities are Development of Linkage among the organizations engaged in ICT based Agricultural Advisory services for mid level, Establishment & Development of

sector-specific (Crop, Livestock, Fisheries) knowledge Bank for all level ,Skill development on ICT for Jr. & Mid level and Policy dialogue for Senior level.

5(a). Curricula review (Under graduate level of Universities):The area of activities are Accumulation of curricula of agricultural disciplines from different universities ,Reviewing of those curricula, Consultation with Quality Assurance Cells (QAC) of the universities, Standardization of the course layout of the curricula for similarities at under graduate level in all the universities having agricultural disciplines

5(b). Curricula review (Trainings of EAS organizations):The area of activities are Collection of Modules from different organizations and sharing, Standardization and validation of the modules, Policy dialogue including Universities and Training Organizations for senior level of DAE, DLS, DOF, NATA, BARD, RDA, NGOs.

Accordingly 2 modules have been developed for 2 thematic areas for junior level extension workers and 2 batches of training conducted by BAEN and Bangladesh part of SAAS project on 2 modules.

After receiving training some organizations already started farmer training on respective modules. Some area farmers are started practice of knowledge and skill in their farm what they learn from training of this project. Considering the above issues, Bangladesh part of SAAS project hired a consultant for evaluating impact of two pilot trainings for the following tasks:

- Identifying field outcome of extension agent training on these modules of different EAS in Bangladesh
- Conducting FGD by using questionnaire
- Identifying the strength of this capacity building activities of the project
- Providing limitation of this activities
- Providing information on beneficiaries percentage of this training
- Providing conclusion and recommendation for further improvement
- Developing strategy for ES strengthening

From this above background this report has been prepared with the following objectives:

1. To documented the impact of two pilot trainings regarding capacity of the Extension agent (trainees of the pilot training) and their beneficiaries.
2. To identify the strength, limitation of the capacity building activities of this project.
3. To provide recommendations for further improvement.
4. To fulfill the ToR of consultant for this assignment.

Methodology:

All pilot training related information collect from SAAS project on 2 modules. Then collected update of beneficiaries level training over telephone from all organization representatives who were attended in the pilot training. For data collection face to face interview were used. Two checklists (Annexure-3) were developed and used to record data. During October and November 2018 collected the information through physical visit and face to face interview with the selected farmers of selected organizations who conducted beneficiaries training by this time.

On 6.10.18 visited Bangladesh Association for Social Advancement (BASA) at Shakipur Tangail. Conduct face to face interview to understand knowledge level changes with 25 farmers of Dhalia Nari Unnyan Group of BASA at Protima bonki Purba para, Dhariarpur, Shakhipur who receive the training of both module from BASA EA with 2 questionnaire. Visited their homestead and vegetable field to understand the practice level of their knowledge. Then visited another group call Joba Nari Unnyan Group of Soto Mousa, Shakhipur and also conducted face to face interview to understand knowledge level changes with 25 farmers. Then exchange view with the member of beekeepers group who receive Value chain and market management training from BASA EA at BASA training centre. Understand the knowledge and practices of Honey value chain of beekeepers.

On 17.11.18 visited Society for Development Initiatives (SDI) group call Vatarkhola Safe Vegetable producer group at Vatarkhola, Sutipara, Dhamrai and conduct face to face interview to understand knowledge level changes with 14 farmers. Then visited another group call Basna Safe vegetable Producer Group of Basna, Sanora, Dhamrai and also conducted face to face interview to understand knowledge level changes with 12 farmers. Then visited their homestead and vegetable field and try to understand the level of practices of their knowledge.

Observation/Findings:

a. Extension Agent level:

Two batches of training has been conducted by BAEN under SAAS project. Particulars of the two Pilot Trainings are as follows:

i) Gender and Nutrition Sensitive Agriculture: The pilot training was conducted at SOJAG Center Dhamrai, Dhaka during 13-15 May, 2018. A total of 27 participants from DAE, DLS, DoF, SOJAG, SDS, SDI, SUS, PKSF, BASA and SSS present in the training. (Training program and Participant list annexure-1)

ii) Market and Value Chain Development: The pilot training was conducted at Farmers Training Center (FTC), Society for Development Initiatives (SDI), Dhamrai, Dhaka during 01-03, September 2018. A total of 21 participants from DAE, DLS, DoF BASA, SAU, SSS, Oxfam, SDI were present in the training. (Training program and Participant list, annexure-2).

- Knowledge level changes of EA are presented in following table. In this table it is observe that from pre evaluation of Gender and Nutrition Sensitive Agriculture training ...% of knowledge increase in post evaluation .On the other hand ...% of knowledge increase in post evaluation from pre evaluation of Market and Value Chain Development training

SI No	Training event	Av score of Pre evaluation	Av score of Post evaluation	% increase
1	Gender and Nutrition Sensitive Agriculture			
2	Market and Value Chain Development			

- Same EA of seven organizations (DAE, DLS, DoF, BASA, SSS, SUS and SDI) receive both module training and three organizations(SOJAG,SDS and PKSF) receive only nutrition module

-Maximum organization conducted training with beneficiaries (2-70 batches) and some have make plan to conduct training

Organizations	Number of batches(25-30 farmer)		Remarks
	Gender and Nutrition Sensitive Agriculture	Market and Value Chain Development	
DAE,	4	4	
DLS,	3		
DoF,	4	-	Making plan for VC
BASA,	2	2	
SSS,			
SUS	3	2	
SDI	2	2	
SOJAG			
SDS	5		
PKSF	70		

- Some EA provide training to field level EA (SAAO,CEAL)

- Participant selection was heterogeneous level, in the field some cases another level of EA exist in between farmer and EA who received training

- There were no targets in written to the EA management to implement beneficiary training

b. Beneficiary level:

i) More than 50% of participating farmer have Increase knowledge on Gender and Nutrition Sensitive Agriculture. In most of the areas practice or adoption of knowledge by the trained farmers in their own homestead were observed.

ii) More than 40% of participating farmer have Increase knowledge on Market and Value Chain Development .They form producer group and making production plan according to marketing plan. They also practice on value addition of their produces.

Recommendations

- Field level/village level extension agents are appropriate for capacity building
- Need to follow up from the project site after EA training
- Organize a feedback come refresher workshop for EA on received module
- Give specific target to EA for beneficiary training with a copy to EA's management
- Before participant selection need to discuss with organization/project head for appropriate person selection and also discuss what will be the role of EA after training received.
- Need backstopping to EA during beneficiaries training from project facilitators who provide training during ToT
- Need time to see the sustainable impact of training at beneficiaries' level.

Annexure-1

Participant list of Training on “Gender and Nutrition Sensitive Agriculture”

Sl. No	Name	Designation & Organization	Organization
01	Md. Gulam Mustafa	Assistant Coordinator, SOJAG	SOJAG
02	Osimon Nesa	Marketing officer SDS	SDS
03	Sultiana Parvin	Assistant manager SDS	SDS
04	Mukta Akter	Agriculture Extension Officer, Dhamrai	DAE
05	Md. Imran Bulbul Siddiquee	Fisheries Extension Officer, Savar, Dhaka	DOF,
06	Tahara Rohomania	Fisheries Extension Officer, Singair, Manikganj	DOF
07	Nusrat Hossain Nushy	Fisheries Extension Officer, Sreepur, Gazipur	DoF
08	Kulsum Ara	SACMO ,SDI	SDI
09	S.M.Aulad Hossain	VCDF & TC, SDI	SDI
10	Rupa Akter	Paramedic - SUS	
11	Sanjoy Ch. Bhattacharjee,	Value Chain Facilitator, Savar, Dhaka	SUS
12	Md. Moznu Sarkar	Deputy Manager PKSF, Dhaka	PKSF
13	Kazi, Abul Hasnat	Deputy Manager, PKSF	PKSF
14	Mahmuda Morshed	Deputy Manager, PKSF	PKSF
15	Meherunnessa	Additional Agriculture Officer	DAE
16	Alam Taz Begum	Deputy Registrar	SAU
17	Dr. Sonali Debnath	Scientific Officer LRI, Savar,Dhaka	DLS
18	Dr. Farhana Nayem	Scientific Officer LRI, Savar,Dhaka	DLS
19	Dr. Kohinur Aktar	Scientific Officer LRI, Savar,Dhaka	DLS
20	Mst. Masuma Akter Panna	Assistant General Manager, BASA	BASA
21	Md. Kamal Hossain	Junior Auditor	
22	Kbd. Md. AbdulWhab	Somaj o Jathi Gothon(SOJAG)	SOJAG
23	Md. Forlul Haque	Senior Officer, SSS	SSS
24	Umme Salma Akter	Nutritionist, SSS	SSS
25	Md. Abdus Salam	Coordinator , SOJAG	SOJAG
26	Najiat Ahmed	AEO, Savar, Dhaka	DAE
27	Sk.Md. Nur-E-Alam	OS,SAAS	SAAS

Schedule of training program

Day	Time	Title	Contents
1 st Day	9:00-9:30 am	Registration	
	9:30-10:30 am	Inaugural session	Introduction to The Course, Pre Test
	10.30-10.50am	Tea Break	
	10:55-11:55 am	Gender Concept	<ul style="list-style-type: none"> • Understanding perceptions and Gender • Understanding the difference between equity and equality
	12.00-01.00pm	Gender and Nutrition sensitive Agriculture	<ul style="list-style-type: none"> • Concept of Gender and Nutrition sensitive Agriculture • Role of Extension agents/ worker to disseminate Gender and Nutrition sensitive Agriculture • Extension integration of gender and nutrition
	1.00- 2.00 pm	Lunch & Pray	
	2:00- 3:00 pm	Nutrition re-introduce Basics on Food and Nutrition	<ul style="list-style-type: none"> • Food and Nutrients • Essential nutrients for the body with Sources & deficiency • The three different food groups that contribute to a balanced diet • Malnutrition
	3.00-3.15 pm	Tea Break	
	3.15-4.15 pm	Special requirement for Infant and Young Child Feeding (IYCF)	<p>Breastfeeding</p> <ul style="list-style-type: none"> • Importance of Breastfeeding • How to breastfeed <p>Complementary feeding</p> <ul style="list-style-type: none"> • Why are complementary foods important • Recommended complementary feeding practices with Feeding frequency • Risks to starting complementary foods too early or too late
	4.15-5.00 pm	Nutrition care for adolescent girls, pregnant and lactating women	<ul style="list-style-type: none"> • Why adolescents require more food • Important foods in the diet of an adolescent. • Special nutritional concerns during adolescence • Consequences of chronic energy deficiency among pregnant woman • Nutritional needs during pregnancy • Antenatal care • Nutritional requirements during lactation • Postnatal Care
5.00-5.10 pm	Participant's feed back	Sharing feelings with given sticker	
2 nd Day	9:00-9:30 am	Recap of 1st day	
	9:30-10:30 am	Safe food Production to ensure nutrition	<ul style="list-style-type: none"> • Why safe food • Problems relating to produce quality and safe food • Challenges for safe food • Food safety laws and Government initiatives
	10.30-10.50 am	Tea Break	

	10:55-11:55 am	Safe food Production	<ul style="list-style-type: none"> • Pathways of safe food production
	12.00-01.00pm	Home food safety & food preparation techniques	<ul style="list-style-type: none"> • Food preparation techniques for minimizing nutrient losses • Household processing and preservation • Store food safety • Using food additive and preservatives
	1.00- 2.00 pm	Lunch & Pray	
	2:00- 3:00 pm	Food handling and Hygiene	<ul style="list-style-type: none"> • Hygienic handling of vegetables and fruits • Personal & Household Hygiene
	3.00-3.15 pm	Tea Break	
	3.15-4.15 pm	Family nutrition by homestead farming and rooftop gardening	<ul style="list-style-type: none"> • Improving nutrition through integrated homestead farming • Space utilization for homestead farming • Planning for year round Family Nutrition • Roof top gardening for Urban Horticulture
	4.15-5.00	Gender sensitization to ensure nutrition	<ul style="list-style-type: none"> • Working together to create communities • Gender sensitization for family food distribution
	5.10-5.20 pm	Participant's feed back	Sharing feelings with given sticker
3 rd day	9:30-10:00 am	Recap of 2nd day	
	10:00-11:00 am	Communication behavior	<ul style="list-style-type: none"> • Concepts of BCC and role of BCC in Gender and Nutrition • Elements of communication • Steps of communication • Skills for effective communication and role play
	11.00-11.20 am	Tea Break	
	11:15-12:15 am	Technology use (ICT, social media)	<ul style="list-style-type: none"> • Knowledge sharing with ICT • Cyber Extension: Role of Internet, Web portals & Social media for extension • m-Extension: Use of Mobile Phones & Apps in providing extension services
	12.15-01.15pm	Translate knowledge into action	<ul style="list-style-type: none"> • Planning & step forward (group work)
	1.15- 2.15pm	Lunch & Pray	
	2:15- 3:15 pm	Translate knowledge into action	<ul style="list-style-type: none"> • Group work presentation
	3.15-4.00 pm	Evaluation	Post evaluation & Training evaluation
	4.00-4.15 pm	Tea Break	
	4.20-4.50 pm	Closing & Certificate distribution	
	4.50-5.00 pm	Participant's feed back	Sharing feelings with given sticker

Annexure II

Participants of Training on “Market & value Chain Development” 01-03 September 2018

Attendance Sheet

Sl.No	Name	Designation	Organization
01	MahbubaMoonmoon	ADD, Horticulture wing	DAE
02	Md. Abdul Malek	UAO(LR),Khamarbari,Dhaka	DAE
03	Tohomina khatun	AEO, Dhamrai, Dhaka	DAE
04	Mst. Moka Shefa	AEO, Savar, Dhaka	DAE
05	Md.Julfiker Moin	PhD Fellow, SAU	SAU
06	Md. ShamsulAlam	AGM,BASA	BASA(NGO)
07	Mst.Msauma Aakter panna	AGM(Project),BASA	BASA(NGO)
08	Dr. A.N.M Golam Mohiuddin	Deputy Director, NATP-2,DLS Component	DLS
09	Dr. Md. Abdul Kader	AD, NATP-2,DLS Component	DLS
10	Dr. Md.Mustafa Ashraf	AD, NATP-2,DLS Component	DLS
11	Md. SumonTalukder	AVCF,SSS	SSS(NGO)
12	Prodeep kumarSarker	PM,SSS	SSS(NGO)
13	Md.Tipu Sultan Sapan	UAO,DAE	DAE
14	Md. Aminul Islam	Credit Coordinator	SUS(NGO)
15	Md. Mutashim Billah	SPO, Oxfam	Oxfam(NGO)
16	Md. Ashraf Hossain	PO(Development),SDI	SDI(NGO)
17	Md. NobeAlam	Program Officer, SUS, Savar	SUS(NGO)
18	S.M Aulad Hossain	VCDF&TC,SDI	SDI(NGO)
19	Md. Kamruzzaman	AD(ops),SDI	SDI(NGO)
20	Md. Imran Bulbul Siddiquee	Extension Officer, Savar, DoF	DoF
21	SK.Md. Nur-e-Alam	OS,SAAS	SAAS

Schedule of training program

Day	Time	Title	Contents
1 st Day	9:00-9:30 am	Registration	
	9:30-10:30 am	Inaugural session	<ul style="list-style-type: none"> • Introduction to The Course, Pre Test
	10.30-10.50am	Tea Break	
	10:55-11:55 am	Market	<ul style="list-style-type: none"> • Concept of market, types of market, characteristics of efficient and inefficient market
	12.00-01.00pm	The market actors	<ul style="list-style-type: none"> • Concept of market actors, roles of market actors, input suppliers, output buyers and service providers
	1.00- 2.00 pm	Lunch & Pray	
	2:00- 3:00 pm	Market system	<ul style="list-style-type: none"> • Concept of marketing system • Factors of marketing system • Composition of marketing system
	3.00-3.15 pm	Tea Break	
	3.15-5.00 pm	The market system development & use of ICT in marketing	<ul style="list-style-type: none"> • The market system development • Advantage and disadvantage of market system development approach • M4P approach • Conventional approach Vs M4P approach • Use of ICT in marketing
	5.00-5.10 pm	Participant's feed back	<ul style="list-style-type: none"> • Sharing feelings with given sticker
2 nd Day	9:00-9:30 am	Recap of 1st day	
	9:30-10:30 am	What is value chain? What is Value chain development ?	<ul style="list-style-type: none"> • Definition of VC • Diagrammatic presentation of VC • Implication of VC development • Analysis of sector and sub-sector
	10.30-10.50 am	Tea Break	
	10:55-11:55 am	Value chain analysis	<ul style="list-style-type: none"> • Concept of VC analysis • Example of value chain • Vegetable /Dairy VC analysis
	12.00-01.00pm	Triggers of Value Chain	<ul style="list-style-type: none"> • Factors affecting VC • Details discussion on different factor of VC
	1.00- 2.00 pm	Lunch & Pray	
	2:00- 3:00 pm	Market map	<ul style="list-style-type: none"> • Concept on market map • Diagrammatic presentation of market map. • Component wise detail discussion on market map.
	3.00-3.15 pm	Tea Break	
	3.15-4.15 pm	Market map	<ul style="list-style-type: none"> • Concept on market map • Diagrammatic presentation of market map. • Component wise detail discussion on

			market map.
	4.15-5.00 pm	Market map	<ul style="list-style-type: none"> • Concept on market map • Diagrammatic presentation of market map. • Component wise detail discussion on market map.
	5.10-5.20 pm	Participant's feed back	<ul style="list-style-type: none"> • Sharing feelings with given sticker
3 rd day	9:30-10:00 am	Recap of 2nd day	
	10:00-11:00 am	Market map exercise	<ul style="list-style-type: none"> • Market map exercise (Mapping market relationship and Mapping business services)
	11.00-11.20 am	Tea Break	
	11:15-01:15 pm	Market constraints analysis	<ul style="list-style-type: none"> • Market constraints analysis • Make a list of constraints, identifying underlying causes of constraints and solution of the constraints
	1.15- 2.15pm	Lunch & Pray	
	2:15- 3:15 pm	Potential partner identifying matrix	<ul style="list-style-type: none"> • Potential partner identifying matrix • Practical example of potential value chains and exercise
	3.15-4.00 pm	Evaluation	Post evaluation & Training evaluation
	4.00-4.15 pm	Tea Break	
	4.20-4.50 pm	Closing & Certificate distribution	
	4.50-5.00 pm	Participant's feed back	Sharing feelings with given sticker

Annexure-3

Value Chain Management and Market Linkage Training Evaluation checklist

Name of Farmers Group:

Address:

Knowledge Appraisal of Participants

S L N o	Topics	No of Farmers		
		Excell ent	Go od	Moderat e
Market				
1	Can tell about what is market			
2	Can tell about the types of market ,and characteristics of efficient and inefficient market			
The market actors				
3	Can tell about market actors and roles of market actors,			
4	Can tell about input suppliers, output buyers			
5	Can tell who are the service providers			
Market system and market system development				
6	Can tell about Concept of marketing system			
7	Can tell about Factors and Composition of marketing system			
8	Can tell about advantage and disadvantage of market system development approach			
9	Can tell the measures for market management development			
10	Can tell about the M4P approach of market management			
Value chain, Value chain development and Value chain analysis				
11	Can tell the Definition of VC and Implication of VC development			
12	Can tell the Concept of VC analysis and steps of VC analysis			
13	Can tell about the factors of VC analysis			
Marketing map				
14	Can tell the Concept on marketing map and why it is needed			
15	Can tell about Component of marketing map.			
16	Can practice marketing map.			
Market constraints analysis				
17	Can tell about market constraints analysis			
18	Can tell about listing market constraints			
19	Can tell about identifying underlying causes of market constraints			
Potential partner identification				
20	Can tell about Potential partner identifying matrix			

Gender and Nutrition sensitive Agricultural Extension Training Evaluation checklist

Name of Farmers Group: _____

Address: _____

Knowledge Appraisal of Participants

SL N o	Topics	No of Farmers		
		Excellent	Good	Moderate
Gender Concept				
1	Can tell about Gender			
2	Can tell about the causes of discrimination between man and women			
3	Can tell about the difference between equity and equality			
Food and Nutrition				
4	Can tell about what is Food and what is Nutrition			
5	Can tell about importance of nutritious food			
6	Can tell about different activities of different food in our body			
7	Can tell about what is balance food and how we can make our food balance			
Essential nutrients : Iodine, Iron, Vitamin-A and Zinc				
6	Can tell about the deficiency symptom of Iodine and Iron and also can tell the sources of Iodine and Iron.			
7	Can tell about the deficiency symptom of Vitamin-A and also can tell the sources of Vitamin-A			
8	Can tell about the deficiency symptom of Zinc and also can tell the sources of Zinc.			
9	Can tell the name of food which contain required amount of Iodine, Iron, Vitamin-A and Zinc			
Breastfeeding for new born baby				
11	Can tell the meaning of only breastfeeding			
12	Can tell the about Importance of breastfeeding			
13	Can tell about how to breastfeed correct way			
Additional and Complementary feeding				
14	Can tell about additional and complementary feeding and its importance			
15	Can tell about the reason of and solution for infant feeding			
Nutrition care for adolescent girls, pregnant and lactating women				
17	Can tell about nutritional care of adolescent girl			
18	Can tell about nutritional care of pregnant mother			
19	Can tell about nutritional care of lactating mother			
Safe food preparation to ensure nutrition				
20	Can tell about importance of safe food and risks of safe food preparation			
21	Can tell about safe food preparation techniques for minimizing nutrient losses			
22	Can tell about good agricultural practices			

SL N o	Topics	No of Farmers		
		Excellent	Good	Moderate
23	Can tell about preventive measures for safe food			
Food handling and Hygiene				
24	Can tell about hygienic handling of vegetables and fruits			
25	Can tell about Personal & Household Hygiene			
Family nutrition by homestead farming				
27	Can tell about Improving nutrition through integrated homestead farming			
28	Can tell about Space utilization for homestead farming			
29	Can tell about Planning for year round Family Nutrition			
Importance of gender sensitization to ensure nutrition				
30	Can tell about importance of working together to create communities			
31	Can tell about gender sensitization for family food distribution			