



Sustainable Intensification of the Mixed Farming System (SI-MFS)

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Technical Report

Reporting Period: 01 January 2023 – 15 December 2024

Submitted to

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1. Introduction

AVA Development Society (AVADS) has been implementing the project titled “Sustainable Intensification of the Mixed Farming Systems (SI-MFS)” (C-2022-244 and A-2021-135) since 06 November 2022 to date and completed most of the project activities with the financial support by the International Rice Research Institute (IRRI). As part of this agreement, AVADS has completed this assigned project work closely with IRRI and other SI-MFS colleagues to achieve the target. AVADS has conducted three different surveys in the northern and southern districts of Bangladesh selected by IRRI for the assigned project period. This report reflects the qualitative and quantitative performance of the desired activities conducted by AVADS during the reporting period.

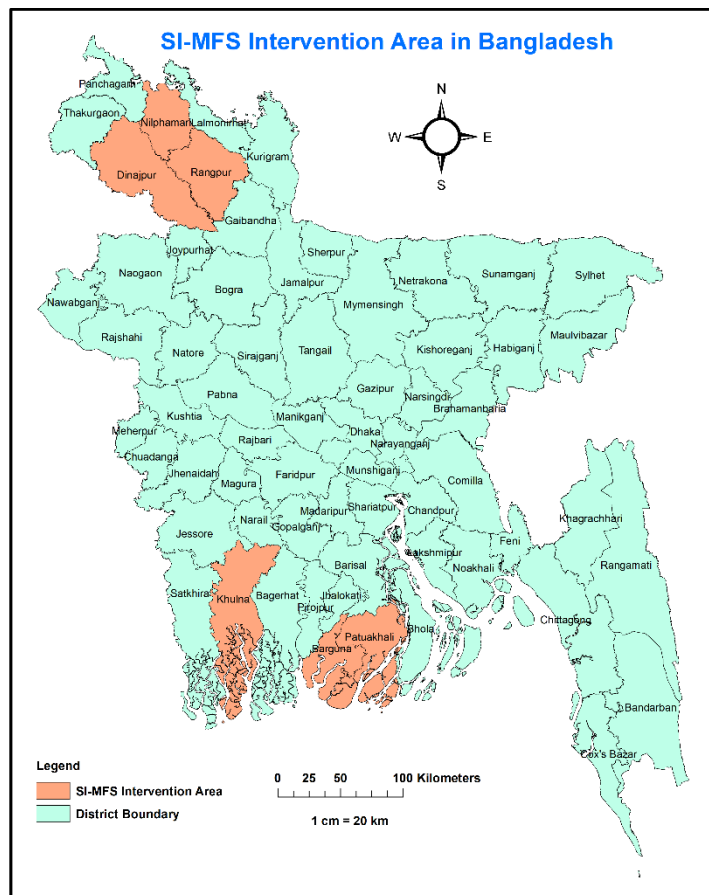


Figure 1: SI-MFS intervention area map.

2. Project Objectives

The SI-MFS initiative aims to provide equitable, transformative pathways for improved livelihoods of actors in mixed farming systems through sustainable intensification within target agro-ecologies and socio-economic settings.

3. Intervention Area

The intervention is implemented at 32 selected villages of Rangpur, Dinajpur, Nilphamari, Patuakhali, and Barguna districts. (Annex-1)

4. Total Budget

BDT 6,175,000

5. Deliverables of the Project Activities

The deliverables of the project activities are as follows:

- i. Conduct farm characterization survey of 600 HHs and FGDs in 30 villages.
- ii. Conduct baseline survey of 2000 HHs.
- iii. Conduct cost benefit analysis survey of 1500 HHs.

6. Completed Activities (as per LoA)

Several different activities have been conducted in the reporting period of January 01, 2023 – December 15, 2024. They are as follows-

- Recruited enumerators & supervisors and conducted trainings.
- Conducted farm characterization survey of 600 HHs and FGDs in 30 villages.
- Conducted baseline survey of 2000 HHs.
- Conducted cost benefit analysis survey of 1500 HHs.

The completions of work as per the agreement have shown below in the following table:

Result statement	Performance indicator/s	Location	Target	Achievement
Farm characterization survey of 600 HHs and FGDs in 30 villages				
Update a list of 600 farmers from 30 villages in northern and southern districts of Bangladesh	# of update list of farmers	Rangpur Dinajpur Nilphamari Patuakhali Barguna	600	600

Result statement	Performance indicator/s	Location	Target	Achievement
Translate the survey questionnaire (English to Bangla)	# of survey questionnaire translation	Natore	1	1
Recruiting enumerators and conducting training	# of recruit enumerators and conduct training	Rangpur	1	1
Conduct a survey of 600 households through survey software (Survey Solution software)	# of farm characterization survey (HHs)	Rangpur Dinajpur Nilphamari Patuakhali Barguna	600	600
Conduct FGDs and Key informants' interviews (KII) across 30 villages	# of FGD and KII	Rangpur Dinajpur Nilphamari Patuakhali Barguna	30	30
Baseline Survey of 2000 HHs				
Update a list of 2000 farmers for the baseline survey	#of update list of farmers	Rangpur Dinajpur Nilphamari Patuakhali Barguna	2000	2000
Translate the survey questionnaire (English to Bangla)	# of survey questionnaire translation	Natore	1	1
Recruiting enumerators and conducting training	# of recruit enumerators and conduct training	Rangpur	1	1
Conduct a baseline survey of 2000 households through survey software (Survey Solution software)	# of baseline survey (HHs)	Rangpur Dinajpur Nilphamari Patuakhali Barguna	2000	2000
Cost-benefit analysis survey of 1500 HHs				
Update a list of 1500 farmers for the cost-benefit analysis survey	# of update list of farmers	Rangpur Dinajpur Nilphamari Patuakhali Barguna	1500	1500

Result statement	Performance indicator/s	Location	Target	Achievement
Translate the survey questionnaire (English to Bangla)	# of survey questionnaire translation	Natore	1	1
Recruiting enumerators and conducting training	# of recruit enumerators and conduct training	Rangpur	1	1
Conduct a cost-benefit analysis survey of 1500 households through survey software (Survey Solution software)	# of cost-benefit analysis survey (HHs)	Rangpur Dinajpur Nilphamari Patuakhali Barguna	1500	1500

6.1 Recruit Enumerators and Conduct Trainings

6.1.1 Enumerators Recruitment

AVADS realizes the importance of hiring only experienced enumerators having good knowledge of the said context. To ensure this, AVADS recruited enumerators to conduct three different HH surveys (farm characterization survey, baseline survey, and cost-benefit analysis survey) in the selected locations of the northern and southern districts of Bangladesh.

AVADS has also recruited enumerators and supervisors from its experienced enumerator pools who were working with the different surveys, FGD, KII, IDI, etc. around the year on several projects. Besides, a couple of efficient people have prior experience in questionnaire structuring, transcribing, translating, and field tests and are familiar with different qualitative and quantitative research methodologies.

6.1.2 Translation of the Survey Instruments

As part of the preparations, all the survey instruments received from IRRI like the survey manual, survey questionnaire, etc. were translated into English to Bengali and sent within the stipulated time.

6.1.3 Enumerators Training

Before starting every survey, a total of three different training programs were organized for the enumerators and supervisors. The detailed activities of the project were discussed there. The facilitators at the training program delivered various suggestions for managing the activities of the project work. They also discussed the challenges of the project work and how to overcome them. The survey questionnaire and survey data collection manual were discussed in detail in the training program. In these training programs, the enumerators were also trained on how to input the collected data into CAPI format.



Photo 1: Enumerator's indoor training



Photo 2: Enumerator's indoor training



Photo 3: Enumerator's indoor training

6.1.4 Field Demonstration

A field demonstration was organized for practical training of enumerators where enumerators got practical experience on how to collect data from the field. A village was initially selected on the day of the survey demonstration where the enumerators pre-tested the survey questionnaire. They were given practical training on what type of survey questionnaire to use in which survey.



Photo 4: Field Demonstration



Photo 5: Field Demonstration



Photo 6: Field Demonstration



Photo 7: Group picture at the end of the training

6.2 Conduct Different Surveys

After completing the training and field demonstration program finally, the enumerators and supervisors visited the pre-selected clusters (villages) from where they conducted a farm characterization survey, baseline survey, and cost-benefit analysis survey. Before starting the surveys, the enumerators were divided into several groups and each group contained three members. A group of enumerators visited each selected cluster to conduct these surveys. At the end of the day, each group sent their collected data to the server within the specified time.



Photo 8: Interviews with farmers for data collection



Photo 9: Interviews with farmers for data collection



Photo 10: Interviews with farmers for data collection



Photo 11: Interviews with farmers for data collection



Photo 12: Interviews with farmers for data collection



Photo 13: Interviews with farmers for data collection

6.3 Monitoring & Supervision

During every survey period, AVADS's monitoring team was involved in monitoring data collection, supervising enumerators, and supervisors, and coordinating and networking with local administrations and stakeholders. A total number of enumerators were divided into several small groups under the supervision of assigned supervisors to ensure the quality of data collection and close monitoring. A WhatsApp group was created for the whole team members led by the Team Leader for easy communication, instruction, or message dissemination, instantly solving any field-related problems and quarries.



Photo 14: Monitoring field activities



Photo 15: Monitoring field activities



Photo 16: Monitoring field activities

7. Conclusion

AVADS has completed the above-mentioned activities within the stipulated time and shared field updates with the IRRI team regularly. We are very much thankful to the IRRI and SI-MFS Bangladesh team for their cooperation and support in conducting trainings and assistance during the survey. ADADS is also completed the data validation work within the time frame and as per IRRI's expectation.

Annexure-1: Village List

Sl. No	Village	Union	Upazila	District
1	Ishworpur	Chandanp	Rangpur Sadar	Rangpur
2	Dhakhinmominpur	Mominpur	Rangpur Sadar	Rangpur
3	Isli	Laxmitari	Gangachara	Rangpur
4	Rajarampur	Madhupur	Badargonj	Rangpur
5	Arajihorishar	Balapara	Kawnia	Rangpur
6	Sharifsadar	Parul	Pirgacha	Rangpur
7	Dubasari	Laxmichap	Nilphamari Sadar	Nilphamari
8	Ranchandi Khoddopara	Ranchandi	Kishoregonj	Nilphamari
9	Balapara	Ranchandi	Kishoregonj	Nilphamari
10	Melaborbalapara	Barovita	Kishoregonj	Nilphamari
11	Bashdah	Shimulbari	Jaldhaka	Nilphamari
12	Utter Beruband	Shimulbari	Jaldhaka	Nilphamari
13	Akashkuri	Laxmichap	Nilphamaisadar	Nilphamari
14	Hasila	Rajarampur	Biral	Dinajpur
15	Shibpur	Sundarban	Dinajpur Sadar	Dinajpur
16	Karoni	Chahelgazi	Dinajpur Sadar	Dinajpur
17	Dakhin Ramnathpur	Ramnathpur	Badargonj	Rangpur
18	Araji Harishar	Balapara	Kaunia	Rangpur
19	Dubasari	Laxmichap	Sadar Nilphamari	Nilphamari
20	Kalitola Dharmapal	Dharmapal	Jaldhaka	Nilphamari
21	Nishanbari	Chakamaia	kolapara	Patuakhali
22	Umidpur	Umidpur	kolapara	Patuakhali
23	Haldibaria	Nilganj	Kalapara	Patuakhali
24	Daulutpur	Nilganj	Kalapara	Patuakhali
25	Hajipur	Nilganj	Kalapara	Patuakhali
26	Amirabad	Nilganj	Kalapara	Patuakhali
27	Purba Sonatala	Nilganj	Kalapara	Patuakhali
28	Uttar Tiakhali	Tiakhali	Kalapara	Patuakhali
29	Chhota Nilganj	Amtali	Amtali	Barguna
30	Sekandarkhali	Amtali	Amtali	Barguna
31	Chalavanga	Amtali	Amtali	Barguna
32	Dhakkin Nilganj	Amtali	Amtali	Barguna