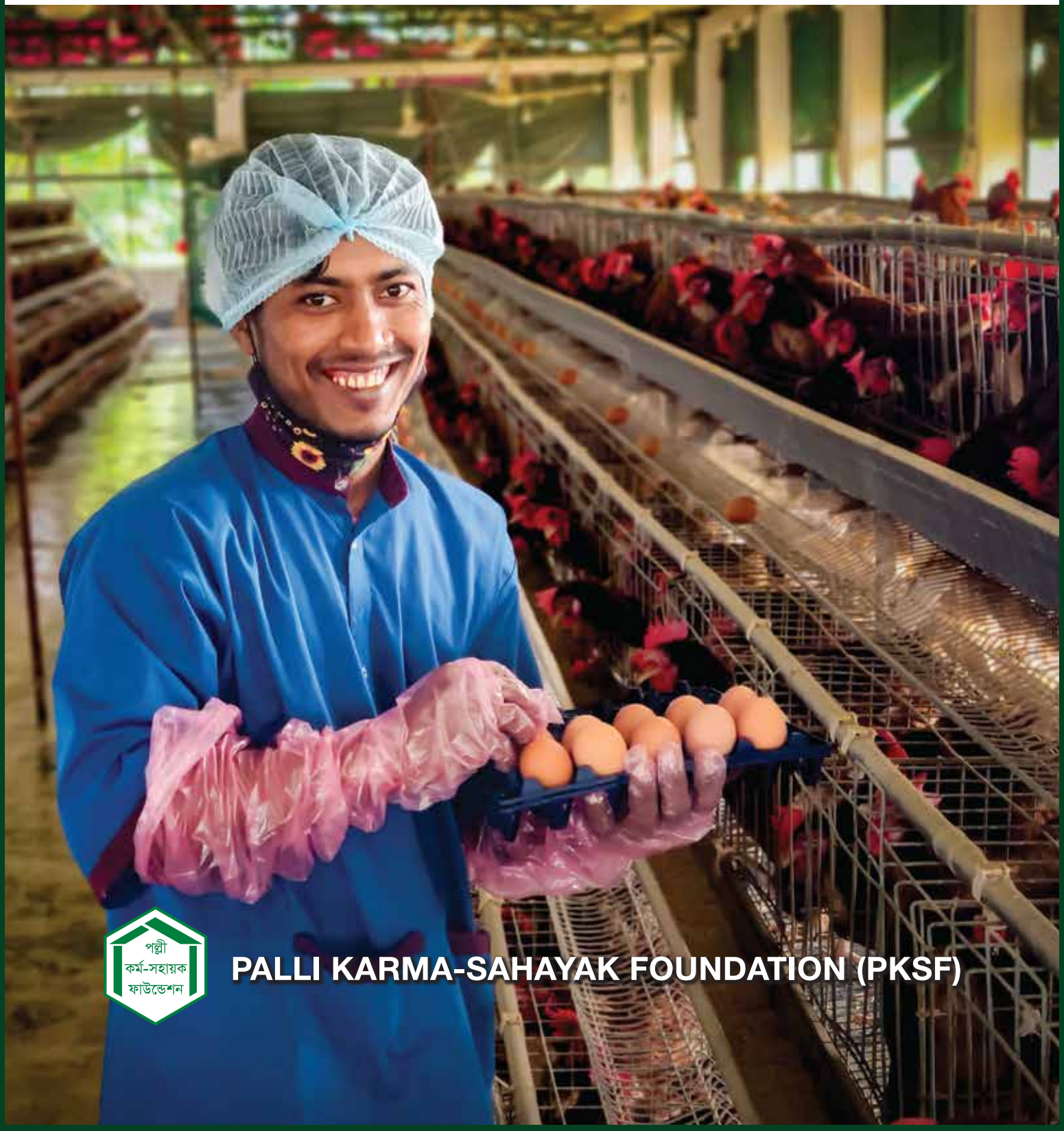
# SMART INSIGHTS

A Biannual Newsletter of Sustainable Microenterprise and Resilient Transformation (SMART) Project

JULY - DECEMBER 2024 ■ ISSUE 2



PALLI KARMA-SAHAYAK FOUNDATION (PKSF)

ADVISOR
**Md Fazlul Kader**
**Md Mashiar Rahman**
**Gokul Chandra Biswas**

EDITOR
**A K M Zahirul Haque**

ASSOCIATE EDITOR
**Md Rawshan Habib**
**Md Barkat Ullah Babu**
**Alal Ahmed**

PUBLISHED BY
**Project Management Unit (PMU)**
SMART Project, PKSF
smart.pksf.org.bd
smart.pksf@gmail.com

PHOTOGRAPHS
**Alal Ahmed**
**Rakib Mahmud**
**Md Samiruzzaman (Cover)**

DESIGN and ILLUSTRATION
**Md Barkat Ullah Babu**

**PALLI KARMA-SAHAYAK FOUNDATION (PKSF)**

PKSF Bhaban
Plot: E-4/B, Agargaon Administrative Area
Sher-e-Bangla Nagar
Dhaka-1207
pksf.org.bd
fb.com/pksf.org.bd



# EDITORIAL

Here is the July–December 2024 edition of *SMART Insights*! As the Sustainable Microenterprise and Resilient Transformation (SMART) project advances in its mission, we are thrilled to share the latest updates and achievements. This edition showcases the commitment and collective efforts of all stakeholders-microentrepreneurs, Partner Organizations (POs), PKSF, and the World Bank-towards fostering sustainable and resilient growth in Bangladesh's microenterprise sector.

The past six months have been a period of significant progress for the SMART project. With 37 sub-projects approved and contracts signed with respected POs, the project has continued to drive forward its core objectives. From workshops on Resource-Efficient and Cleaner Production (RECP) practices to innovative sub-project initiatives, SMART has strengthened its reach, touching the lives of micro-entrepreneurs and their communities.

One of the highlights of this period was the enthusiastic participation of regional stakeholders in workshops conducted in Jashore, fostering collaboration and knowledge exchange among government officials, academics, and micro-entrepreneurs. Training programs for newly recruited officers have also been instrumental in equipping them with the necessary tools to successfully implement sub-projects on the ground.

As we move forward, the situational analysis of Bangladesh's microenterprise sector continues to guide SMART's strategies, ensuring targeted interventions for climate resilience and environmental sustainability.

We extend our deepest gratitude to the Government of Bangladesh, the World Bank, and all our Partner Organizations for their unwavering support. Together, we are not just transforming enterprises but paving the way for a greener, more inclusive future for Bangladesh.

We hope this edition of *SMART Insights* inspires and informs you. Thank you for being a part of this journey.

# SMART PROJECT PROGRESS

The Sustainable Microenterprise and Resilient Transformation (SMART) project, implemented by Palli Karma-Sahayak Foundation (PKSF), is making progress in equipping microenterprises (MEs) across Bangladesh with climate-resilient Resource-Efficient and Cleaner Production (RECP) practices. The project emphasizes on supporting MEs in agribusiness, manufacturing, and services, especially in environmentally stressed areas vulnerable to climate change and natural disasters. By fostering green growth, sustainable business practices, and operational safety standards, the SMART project is advancing environmental sustainability while strengthening economic resilience.

**Key achievements**

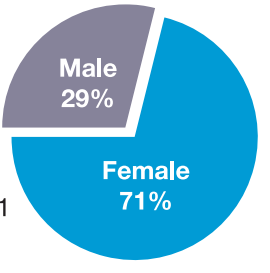
Sub-project implementation: A total of 37 sub-projects have been approved so far. Over the past six months, implementation of 16 sub-projects has began in the stipulated work areas through 14 Partner Organizations (POs).

Microenterprise outreach

**16 sub-projects** under 14 POs initiated.

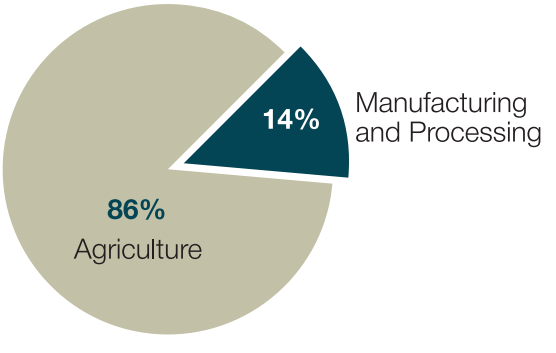
**690 micro-entrepreneurs** engaged and profiled for climate-resilient RECP practices.

**676 micro-entrepreneurs** received financial loans, **71 percent** of them are women.

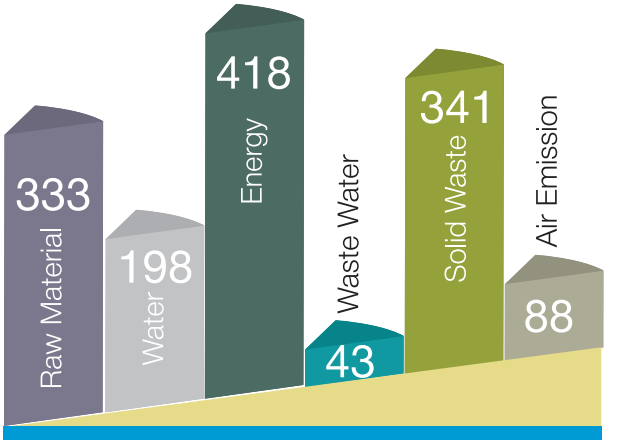



The project has disbursed a total of **BDT 153,978,000** in loans under 16 sub-projects. The major portion of the loans, amounting to BDT 122,463,000, was allocated to the agribusiness sector, while BDT 31,515,000 supported the manufacturing and processing sector.

The sub-projects collectively engaged 690 micro-entrepreneurs who have committed to adopt at least two Resource-Efficient and Cleaner Production (RECP) practices across six domains.




RECP (Resource Efficient and Cleaner Production) is a global initiative that uses environmental strategies to improve the efficiency of products, processes, and services.




The chart shows how many MEs have pledged to adopt RECP practices in which area.

**Capacity building:** The Project Management Unit (PMU) organized training sessions for 183 field-level officers from the sub-projects. These sessions covered various topics, including RECP practices, climate vulnerability, financial and procurement management, communication, and gender and social management.

**Development of guidelines:** The PMU developed comprehensive guidelines and modules to ensure smooth project implementation. These include Financial Management Guidelines, Procurement Guidelines, Environment and Social Commitment Plans (ESCP), Environment and Social Management Systems (ESMS), RECP Implementation Guidelines, and training modules on climate vulnerability.

**Stakeholder engagement:** The World Bank conducted three Implementation Support Missions (ISM), offering valuable insights to enhance quality and effectiveness of project delivery. Additionally, the Project Steering Committee (PSC), chaired by the Secretary of the Financial Institutions Division, held five meetings and commended the project's progress in all of them.

The SMART project remains committed to reaching a total of 80,000 microenterprises from 21 sub-sectors with necessary financial and technical support. Through its innovative approach, the SMART project continues to enhance economic resilience and sustainable development while contributing to Bangladesh's long-term climate and environmental goals.

# SMART UPDATES

## SMART PROJECT ENGAGES REGIONAL STAKEHOLDERS IN JASHORE

To foster regional stakeholders' engagement and promote sustainable practices among microenterprises in Jashore, the Sustainable Microenterprise and Resilient Transformation (SMART) project of Palli Karma-Sahayak Foundation (PKSF) conducted a series of workshops and consultations in Jashore from 19-20 November 2024.

On 20 November, a workshop held in the RRF Conference Room brought together a diverse group of participants, including government officials,

academicians, and representatives from Partner Organizations (POs). Eun Joo Allison Yi, Task Team Leader of the SMART project from the World Bank, underscored the critical role of stakeholder collaboration in achieving the project's goals. She highlighted global examples of Resource-Efficient and Cleaner Production (RECP) practices, emphasizing on their relevance to Bangladesh.

Highlighting the need for sustainable solutions, Professor Mohammad Mahfuzur Rahman from Jashore University of Science and Technology advocated for life cycle-based approaches to address the unique challenges faced by microenterprises, emphasizing on the need for long-term sustainable solutions. The session was inaugurated by Gokul Chandra Biswas, Project Coordinator of the SMART project of PKSF, with Philip Biswas, Executive Director of the Rural Reconstruction Foundation (RRF), delivering closing remarks.

The workshop featured representatives from government agencies such as the District Livestock Office, the Department of Fisheries, the Department of Environment, and the Department of Agricultural Extension. Officials from PKSF, the World Bank, and six POs- Rural Reconstruction Foundation, Shishu Niloy Foundation, Jagorani Chakra Foundation, Unnayan Prochesta, DESHA Shechsashebi Artho-Samajik Unnyan O Manobik Kallyan Sangstha, and NABOLOK Parishad. Micro-entrepreneurs and distinguished academicians from Jashore University of Science and Technology also contributed to the discussions.

In addition to the stakeholder workshop, a separate event was held at Jashore University of Science and Technology on 20 November to share insights about the SMART project and raise awareness on sustainable practices, especially RECP practices, among the students.

As a part of the two-day event, another consultation meeting was organized earlier on 19 November. Micro-entrepreneurs, and officials of PKSF and its POs concerned discussed field-level challenges

*The World Bank team visiting an imitation jewelry worker at work in Jhenaidah*

and opportunities in the meeting. On the same day, the World Bank team visited microenterprises in the Automobile Workshop and Imitation Jewelry sub-sectors in Jashore and Jhenaidah districts to inspect ongoing activities and gather feedback directly from the micro-entrepreneurs.

## TEC EVALUATES AND RECOMMENDS 44 SUB-PROJECT PROPOSALS

The Technical Evaluation Committee (TEC) of the SMART project has conducted six meetings since July 2024, evaluating 44 Sub-project Proposals (SPPs) and recommending those for approval.

Comprising PKSF officials and two external experts from the Department of Environment and the Bangladesh University of Engineering and Technology (BUET), the TEC plays a crucial role in the project implementation process.

On 31 December 2023, the SMART-PMU invited PKSF's Partner Organizations (POs) to submit Sub-project Concept Notes (SPCNs).

After reviewing the submitted concept notes, shortlisted POs were asked to submit detailed SPPs. The TEC, in collaboration with the World Bank, evaluated these proposals. The first two TEC meetings were held in May and June 2024, with 10 SPPs reviewed. To date, 10 SPPs have been officially recommended by the TEC for approval.

## PKSF CALLS FOR SUB-PROJECT PROPOSALS AGAIN UNDER SMART PROJECT

A workshop on the call for sub-project proposals of the SMART project was held on 5 December 2024 at the PKSF Bhaban. PKSF has once again invited the sub-project proposals as part of its ongoing SMART project. The event was inaugurated by Gokul Chandra Biswas, General Manager of PKSF and Project Coordinator of the SMART project.

At the beginning of the workshop, A.K.M. Zahirul Haque, Assistant General Manager and Deputy Project Coordinator of SMART, delivered a detailed presentation on the SMART project. The project high officials informed the participants about the procedure for filling out sub-project proposal (SPP) formats. The presentation covered the proposal structure, online submission methods, and other relevant topics.

The workshop was participated by representatives of 75 POs of PKSF. They raised various queries regarding the SPP writing, which were addressed comprehensively by SMART Project officials. Clear instructions were also provided to ensure timely submissions.

# WORLD BANK APPLAUDS PKSF'S PROGRESS ON SMART PROJECT, HIGHLIGHTS POTENTIAL FOR WIDER COLLABORATION

In a courtesy meeting held at the PKSF Bhaban on 5 November 2024, Christian Peter, Practice Manager of Environment, Natural Resources, and Blue Economy at the World Bank, commended PKSF for its "impressive" progress on the SMART project. "People need to have resilient livelihoods," Peter noted, suggesting that PKSF could explore areas of collaborations with other government projects to further strengthen the project's impact.

Presided over by PKSF's Managing Director, Md Fazlul Kader, the meeting underscored the enduring partnership between the World Bank and PKSF, which spans over 25 years. "The World Bank has always been beside PKSF in the latter's three-decade journey of reducing poverty and creating sustainable employment opportunities for marginal communities," Md Fazlul Kader remarked. He acknowledged the World Bank's continued support in providing financial and technical resources to advance PKSF's activities.

> **"The World Bank has always been beside PKSF in the latter's three-decade journey of reducing poverty and creating sustainable employment opportunities for marginal communities."**
>
> **- Md Fazlul Kader**
> Managing Director, PKSF


*SMART PMU with the World Bank team in a meeting at PKSF*

Key participants of the meeting included Dr Fazle Rabbi Sadeque Ahmed, Deputy Managing Director of PKSF; Gokul Chandra Biswas, Project Coordinator of the SMART Project; and Eun Joo Allison Yi, World Bank's Task Team Leader for the project. Following introductory remarks by the Managing Director, Md Rawshan Habib, Deputy Project Coordinator of SMART, delivered a presentation detailing PKSF's recent achievements and the progress of the SMART project.

> **"PKSF could explore areas of collaborations with other government projects to further strengthen the project's impact"**
>
> **- Christian Peter**
> Practice Manager of Environment, Natural Resources, and Blue Economy, World Bank

# PKSF CHAIRMAN HIGHLIGHTS ENVIRONMENTAL IMPACT WHILE VISITING SMART PROJECT'S ACTIVITIES

Zakir Ahmed Khan, Chairman of PKSF, inspected the field activities of the 'Promoting Eco-Friendly Construction Materials through Resource Efficient Cleaner Production' sub-project under the SMART project on 20 December 2024. The sub-project, implemented through the Eco-Social Development Organization (ESDO), focuses on promoting sustainable alternatives in the construction sector.

Accompanied by Md Fazlul Kader, Managing Director of PKSF, and Dr Muhammad Shahid Uz Zaman, Executive Director of ESDO, Zakir Ahmed Khan interacted with the micro-entrepreneurs there and the sub-project team. The sub-project aims to reduce environmental degradation caused by traditional construction practices by introducing eco-friendly materials.

The PKSF Chairman emphasized on the significance of such initiatives, stating, "The production of environment-friendly construction materials will significantly reduce topsoil erosion, limit the use of wood as fuel, and prevent environmental pollution. These efforts will help maintain environmental balance while also playing a vital role in the country's economy."

He commended ESDO's innovative approach and reiterated PKSF's commitment to supporting environment-friendly initiatives. The PKSF Chairman highlighted that projects like this not only address environmental challenges but also contribute to building a resilient economy by fostering sustainable practices.

> **"The production of environment-friendly construction materials will significantly reduce topsoil erosion, limit the use of wood as fuel, and prevent environmental pollution. These efforts will help maintain environmental balance while also playing a vital role in the country's economy."**
>
> **- Zakir Ahmed Khan**
> Chairman, PKSF

# SITUATIONAL ANALYSIS

## SMART PROJECT'S 'SITUATIONAL ANALYSIS' HIGHLIGHTS ENVIRONMENTAL AND SOCIO-ECONOMIC GAPS IN BANGLADESH'S MICROENTERPRISE SECTOR

Before the commencement of the SMART Project, a Situational Analysis study was conducted to assess the current state of Bangladesh's microenterprise sector.

The study was commissioned by PKSF and carried out by Development Technical Consultants Pvt. Ltd. (DTCL).

The findings of the survey were presented by DTCL during a session on 1 September 2024. Md Mashiar Rahman, Deputy Managing Director of PKSF, presided over the event. Gokul Chandra Biswas, Project Coordinator of the SMART project, delivered the welcome speech. The session was also attended by key dignitaries from PKSF and DTCL, including Dr Shaker Ahmed, Team Leader of the study; Dr Tapas Kumar Biswas, statistician; and Dr M M Amir Hossain, Managing Director of DTCL.

**The objectives of the study were-**

- To scan the present socio-economic condition of the microenterprise sub-sectors in Bangladesh in terms of sustainable employment and growth potentials;
- To identify strength, weakness, opportunity and threat of selected sub-sectors;
- To examine the present environmental condition of the microenterprise of selected sub-sectors;
- To map the potential clusters followed by the sub-sectors, identify key actors in the forward and the backend value chains, and their roles and problems in the value chains.

**Survey Methodology and Coverage**

**Method** — **Mixed method (qualitative and quantitative)**

**Quantitative sample** — **5,184 MEs**

59.86% 40.14%

**Geographic scope** — **41** districts across all **8** divisions

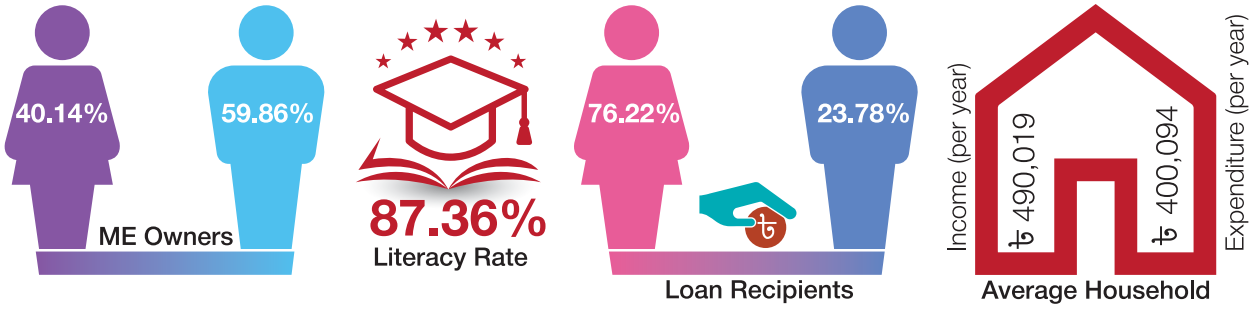
**Business Area**

| 1,728 | 2,880 | 576 |
|---|---|---|
| Agribusiness | Manufacturing | Services |

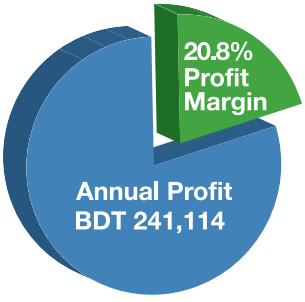
**Qualitative sample** — **21** Focused Group Discussions (FGDs); **42** Key Informant Interviews (KIIs) and Case studies

**Key Findings**

Demographics:

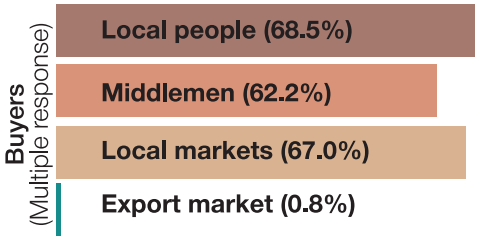



Business Performance:

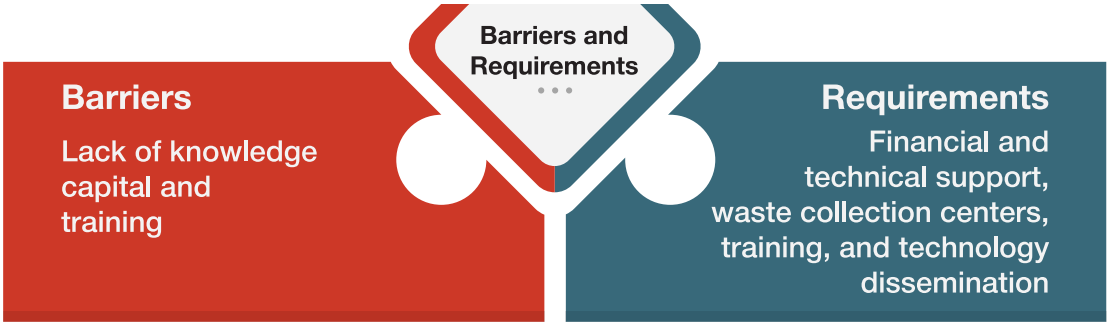



**Digital Sales**

Only 4.5% use online platforms, though 26% are interested in adopting digital tools




**Adoption of RECP practices** — Only 2.84% of MEs adopted practices like solid waste management water/energy efficiency, and air pollution reduction




The study revealed significant gaps in environmental sustainability, with only 13% of microenterprises aware of Resource-Efficient and Cleaner Production (RECP) practices, and a mere 2.84% implementing them. The awareness level was the highest in the horticulture sector (31.77%) but critically low in food processing. These findings indicate a pressing need for climate-resilient and environment-friendly practices in the sector. The study also highlighted the socio-economic impact of the microenterprise sector, noting that each microenterprise generates an average of six jobs. However, challenges such as high raw material costs—affecting 26.7% of businesses—were identified as barriers to achieving fair market prices.

**Recommendations for SMART project**

RECP practices are vital for Bangladesh as they help reduce environmental pollution while promoting sustainable growth. These practices minimize waste and energy consumption, resulting in cost savings and improved public health by reducing harmful emissions and chemical usage. Adopting cleaner production methods enhances Bangladesh's global competitiveness by meeting international environmental standards and contributes to long-term economic growth while preserving ecosystems for future generations. To further support the resilience and sustainability of microenterprises, the project could focus on improving infrastructure, such as water and sanitation facilities, with an emphasis on integrating solar energy and rainwater harvesting at the microenterprises. Additionally, enhancing market access through improved logistics and digital platforms, raising awareness, providing training on RECP, offering tailored support for sectors with low adoption, financial assistance, knowledge-sharing, and establishing robust monitoring systems would significantly encourage wider adoption of RECP practices.

# TRAINING AND WORKSHOP

## FOUNDATION TRAINING CONDUCTED FOR NEWLY-APPOINTED SUB-PROJECT OFFICIALS

The SMART project organized a comprehensive foundation training program for newly-appointed officers of the Partner Organizations implementing the sub-projects during October to December 2024. The objective of the training was to equip the officers with essential skills and knowledge required for effective project implementation.

The first batch of the training was inaugurated on 15 October 2024, at the Padakkhep Institute of Development and Management in Mohammadpur, Dhaka, by Gokul Chandra Biswas, Project Coordinator of the SMART project. He highlighted the unique nature of the training, stating, "Such a session has never been organized before, as this project differs significantly from other microenterprise initiatives. Due to its complex nature, we need to understand the basics at the outset to ensure successful implementation in the field."

The training included 183 officers recruited across the sub-projects under the project. Conducted by the officials of SMART Project Management Unit over three days in seven separate batches, the training sessions were designed to cover a broad range of critical areas that are essential for the successful execution of project activities.

The training agenda included sessions on Resource-Efficient and Cleaner Production (RECP) practices, environmental management, information management, financial management, procurement management, communication and knowledge management, and gender and social management. Each module was tailored to address the specific needs and challenges of project implementation, focusing on enhancing officers' practical understanding and operational skills. Environmental management, for instance, covered strategies to ensure eco-friendly practices in project activities, while financial and procurement management modules emphasized efficient budgeting, resource allocation, and procurement processes.

The training also provided guidance on gender and social management, underlining the importance of inclusivity and gender sensitivity in project activities. Officers were also introduced to communication strategies to effectively engage with stakeholders and ensure the smooth flow of information within the project framework.

Dr Torun Kumar Paul, Project Manager from Grameen Jano Unnayan Sangstha (GJUS), participated in the second batch of training and noted, "This training is incredibly helpful at the project's beginning, as it will play a significant role in proper field-level implementation." He added, "It will be easier for our team to carry out the sub-projects in the field."

Through this training, officials are now better prepared to navigate the challenges of project implementation, ensuring that the SMART project's goals of sustainable and resilient development for microenterprises are achieved effectively across the project areas.

# ORIENTATION PROGRAM ON 'RECP BASELINE SCREENING AND PROFILING' HELD FOR SUB-PROJECT OFFICIALS

An orientation program on 'RECP Baseline Screening and Profiling' was conducted on 5 September 2024 at PKSF Bhaban to enhance the skills of officials from Partner Organizations (POs) implementing sub-projects of the SMART project. The program aimed to train officials in selecting microenterprises and determining appropriate Resource-Efficient and Cleaner Production (RECP) practices for implementation.

Gokul Chandra Biswas, Project Coordinator of the SMART Project, inaugurated the session with an address emphasizing on the importance of creating data-based profiles of project members. He encouraged participants to work diligently on the RECP Baseline Screening and Profiling initiative to ensure effective implementation of environmentally sustainable practices within microenterprises.

A total of 33 officials from 14 Partner Organizations participated in the orientation. They received hands-on training in RECP Baseline Screening and Profiling, equipping them with practical skills to assess and guide microenterprises in adopting sustainable production methods.

This orientation program was an important step in building technical capacity among Partner Organizations, aligning with the SMART project's mission to promote sustainable growth and resilience among Bangladesh's microenterprises.

# WORKSHOP TO ACCELERATE FIELD-LEVEL IMPLEMENTATION OF SMART PROJECT

On 28 August 2024, a day-long workshop was organized to chart the course for field-level implementation of sub-projects under the SMART project. Representatives from selected Partner Organizations (POs) participated in the event, which focused on equipping them with the tools and knowledge needed for effective execution.

The workshop opened with remarks from Dr Fazle Rabbi Sadeque Ahmed, Deputy Managing Director of PKSF, and concluded with a speech by Managing Director Md Fazlul Kader who emphasized on the critical role of grassroots implementation in achieving the project's objectives. Discussions during the workshop covered a range of operational topics, including project introduction, information management and monitoring, account management, and procurement processes.

The following day, on 29 August 2024, a meeting was held to update PKSF officials on the activities of the SMART project. Gokul Chandra Biswas, Project Coordinator of SMART, delivered the opening remarks, followed by a presentation by Deputy Project Coordinator Md Rawshan Habib. The meeting, attended by 60 PKSF and SMART officials, provided insights into the project's progress and ongoing initiatives.

# SNIPPETS FROM THE FIELD

The POs have initiated field-level implementation of sub-projects under the SMART project. Newly-recruited officials have been oriented through workshops and training sessions designed to familiarize them with the project's goals and activities. The sessions focused on promoting RECP technologies, and sustainable and eco-friendly practices within the microenterprise sector. Key stake-holders, including entrepreneurs, industry representatives, and government officials participated to discuss the project's potential impact on the region's economic growth and environmental sustainability.

The Center for Community Development Assistance (CCDA) will establish 14 environment clubs, including a model club, in Cumilla district under the SMART project. These clubs aim to raise awareness about environmental and climate change impacts within the pisciculture business cluster. Professor MA Matin, a state-award-winning organizer in agriculture, environment, and social development, has been nominated as the chairperson of the 'Model Environment Club' in Daudkandi Upazila. A potential office space for the club has also been identified.

Officials from various sub-projects are conducting RECP Baseline and Profiling surveys across project areas. These surveys identify potential microenterprises and required RECP practices using a real-time online system. The collected data is uploaded to a cloud platform for centralized analysis, ensuring efficiency and accuracy. Each sub-project diligently executes surveys in its regions, supporting informed decision-making and sustainable development. This initiative highlights the commitment to resource efficiency, reduced environmental impact, and targeted interventions. The findings will guide tailored strategies for microenterprises, contributing to the project's broader sustainability goals.

# IN-DEPTH

## ENHANCING WATER USE EFFICIENCY IN POULTRY PRODUCTION

*Md Jafar Eqbal, Senior Program Manager (Livestock), SMART project, PKSF*

In 2024, the global chicken population exceeded 34 billion, surpassing the human population of approximately 8 billion by over four times. Bangladesh ranks 13th among the world's top poultry producers, with 312 million chickens, as per Worldostats 2024. This immense poultry production places significant pressure on natural resources, such as water, energy, and materials, and brings forth environmental challenges like waste, wastewater, and air pollution.

The SMART project, implemented by PKSF, focuses on improving environmental sustainability within Bangladesh's microenterprise sector, with poultry identified as a priority subsector. Among the six targeted environmental indicators under the SMART project, water use and wastewater management are key areas of interventions. Enhancing water use efficiency in poultry production is critical not only for the welfare and productivity of birds but also for ensuring the sustainability of poultry microenterprises.

*Poultry Nipple Drinker System can significantly increse water efficiency in poultry farms. Photo: Shutterstock*

### Strategies to improve water efficiency

#### Optimized Cleaning Practices

- Scrape yards to remove dirt before washing.
- Use high-pressure washing systems to reduce water use.
- Separate wastewater collection, storage, and application systems.
- Introduce recycling systems to reuse water.

#### Efficient drinking water management

- Conduct regular maintenance of water systems.
- Use appropriately dimensioned drinker installations.
- Install suitable nozzles and valves.
- Optimize feed formulation to reduce water intake and nutrient excretion.
- Incorporate nutritional technologies like amino acids and enzymes to improve animal performance.

### Water quality and disease prevention

Ensuring clean drinking water is critical for poultry health. Contaminated water can transmit diseases such as Salmonella and E. coli, resulting in significant economic losses and potential public health concerns. Regular water quality checks and appropriate treatment are essential to prevent disease outbreaks and maintain flock health.

In poultry production, a single contaminated water source can affect thousands of birds, emphasizing on the need for robust water management practices. Farmers can prevent diseases and reduce costs by ensuring water quality, ultimately increasing profitability and sustainability.

### The role of SMART project

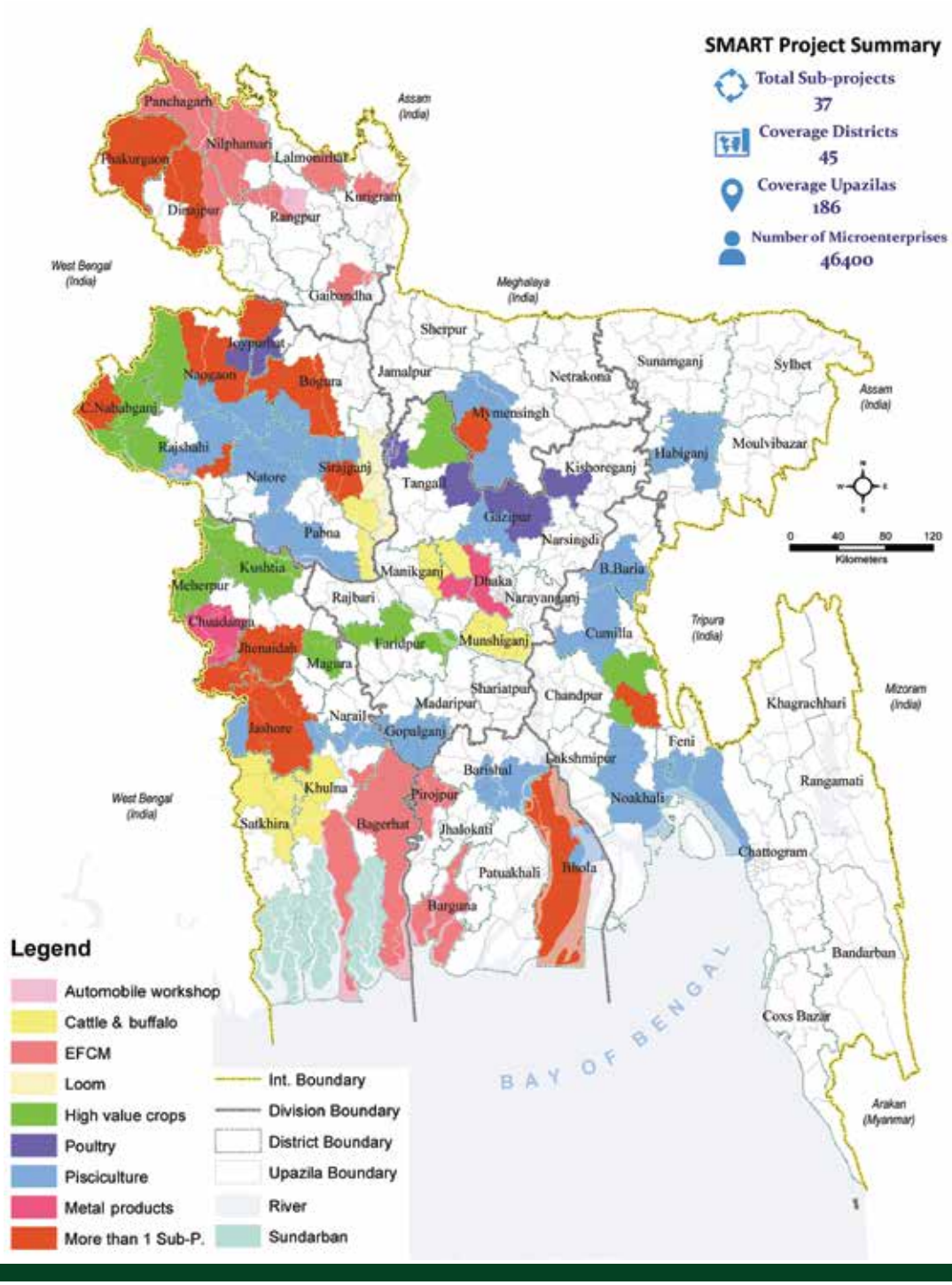
The SMART project continues to promote innovative practices such as automatic drinking systems and optimized cleaning techniques to enhance water use efficiency in the poultry sector. By integrating sustainable water management practices, the initiative contributes to the resilience and growth of Bangladesh's poultry microenterprises, ensuring both environmental and economic benefits.

Through innovative practices and proper water management, poultry farmers can significantly improve resource efficiency and reduce environmental impacts while ensuring sustainable and profitable operations.

PKSF has approved 37 sub-projects and signed contracts with the Partner Organizations concerned.

| Sl | Sub-Project | Partner Organization | Sub-Sector | Work Area |
|---|---|---|---|---|
| 1. | Adopting Technologies and Practices for Resilient Green Growth in Fisheries Sub-Sector | BASA Foundation | Pisciculture | Mymensingh, Gazipur |
| 2. | Adopting Technologies and Practices for Resilient Green Growth in Fisheries Sub-Sector | Center for Community Development Assistance (CCDA) | Pisciculture | Cumilla, Brahmanbaria, Habiganj |
| 3. | Promoting Eco-Friendly Construction Materials Through Resource Efficient and Cleaner Production (RECP) Practices | Community Development Centre (CODEC) | Eco-friendly construction materials | Khulna, Bagerhat, Pirojpur, Barguna |
| 4. | Promotion of Value-Added Vegetables for Sustainable Growth and Instituting RECP Practices | DESHA Seschasebi Artho -Samajik Unnayan o Manobik Kallayan Sangstha | High -value crops (vegetables, fruits, tea, and so forth) | Kushtia, Meherpur |
| 5. | Promoting Eco-Friendly Construction Materials through Resource Efficient Cleaner Production | Eco-Social Development Organization (ESDO) | Eco-friendly construction materials | Panchagrh, Kurigram, Thakurgaon, Dinajpur, Nilphamari, Rangpur, Lalmonirhat, Gaibandha |
| 6. | Promoting Resilient Green Growth in Rice Mill Sub-Sector through Ensuring RECP | Eco-Social Development Organization (ESDO) | Rice mill | Thakurgaon, Dinajpur |
| 7. | Promotion of Value-Added Fruits Products for Sustainable Growth and Instituting RECP Practices | GHASHFUL | High -value crops (vegetables, fruits, tea, and so forth) | Naogaon |
| 8. | Promoting Resilient Green Growth in Dairy Sub-Sector Through Ensuring RECP | Gono Kallayan Trust (GKT) | Cattle & Buffalo | Manikganj, Dhaka |
| 9. | Promotion of Value-Added Vegetables for Sustainable Growth and Instituting RECP Practices | Gram Bikash Kendra (GBK) | High -value crops (vegetables, fruits, tea, and so forth) | Dinajpur |
| 10. | Promoting Sustainable Growth in Machinery and Equipment Sub-Sector through RECP Practices | Gram Unnayan Karma (GUK) | Machinery & equipment | Bagura, Naogaon |
| 11. | Adopting Technologies and Practices for Resilient Green Growth in Fisheries Sub-Sector | Grameen Jano Unnayan Sangstha (GJUS) | Pisciculture | Barishal, Bhola |
| 12. | Promoting Sustainable Growth in Poultry Sub-Sector through RECP Practices | Grameen Jano Unnayan Sangstha(GJUS) | Poultry | Bhola |
| 13. | Adopting Technologies and Practices for Resilient Green Growth in Fisheries Sub-Sector | Jagorani Chakra Foundation (JCF) | Pisciculture | Jashore, Jhenaidah, Narail, Gopalganj |
| 14. | Promoting Resilient Green Growth in Dairy Sub-Sector through Ensuring RECP | JAKAS Foundation | Cattle & Buffalo | Joypurhat |
| 15. | Promoting Resilient Green Growth in Rice Mill Sub-Sector through Ensuring RECP | Joypurhat Rural Development Movement (JRDM) | Rice mill | Naogaon |
| 16. | Promoting Sustainable Growth in Poultry Sub-Sector through RECP Practices | Joypurhat Rural Development Movement (JRDM) | Poultry | Joypurhat, Naogaon |
| 17. | Adopting Technologies and Practices for Resilient Green Growth in Fisheries Sub-Sector | MOUSUMI | Pisciculture | Naogaon |
| 18. | Promotion of Value-Added Vegetables for Sustainable Growth and Instituting RECP Practices | NABOLOK Parishad | High -value crops (vegetables, fruits, tea, and so forth) | Jashore, Jhenaidah |

| Sl | Sub-Project | Partner Organization | Sub-Sector | Work Area |
|---|---|---|---|---|
| 19. | Promoting Resilient Green Growth in Dairy Sub-Sector through Ensuring RECP | National Development Program (NDP) | Cattle & Buffalo | Sirajganj, Pabna |
| 20. | Promoting Green Growth in Loom Sub-Sector by Resource Efficient Practices | National Development Program (NDP) | Loom | Sirajganj |
| 21. | Promotion of Value-Added Vegetables for Sustainable Growth and Instituting RECP Practices | Page Development Center | High -value crops (vegetables, fruits, tea, and so forth) | Cumilla |
| 22. | Promoting Resilient Green Growth in Dairy Sub-Sector Through Ensuring RECP | Poribar Unnayon Songstha (FDA) | Cattle & Buffalo | Bhola |
| 23. | Promotion of Value-Added Mango Products for Sustainable Growth and Instituting RECP Practices | Proyas Manobik Unnayan Society | High -value crops (vegetables, fruits, tea, and so forth) | Chapai nawabganj, Rajshahi |
| 24. | Promoting Resilient Green Growth in Dairy Sub-Sector through Ensuring RECP | Resource Integration Centre (RIC) | Cattle & Buffalo | Munshiganj |
| 25. | Promoting Sustainable Growth in Automobile Workshop by Recourse Efficient Practices | Rural Reconstruction Foundation (RRF) | Automobile workshop | Jashore |
| 26. | Promotion of Value-Added Flowers for Sustainable Growth and Instituting RECP Practices | Rural Reconstruction Foundation (RRF) | High -value crops (vegetables, fruits, tea, and so forth) | Jashore, Jhenaidah |
| 27. | Adopting Technologies and Practices for Resilient Green Growth in Fisheries Sub-Sector | Sagorika Samaj Unnayan Sangstha (SSUS) | Pisciculture | Noakhali |
| 28. | Adopting Technologies and Practices for Resilient Green Growth in Fisheries Sub-Sector | Shataphool Bangladesh | Pisciculture | Naogaon, Rajshahi |
| 29. | Promoting Imitation Jewelry through Resource Efficient and Cleaner Production (RECP) Practices | Shishu Niloy Foundation (SNF) | Metal Products | Jashore, Jhenaidah Chaudanga |
| 30. | Promoting Imitation Jewelry through Resource Efficient Practices Cleaner Production (RECP) Practices | Social Upliftment Society (SUS) | Metal Products | Dhaka, Manikganj |
| 31. | Promotion of Value-Added Vegetables for Sustainable Growth and Instituting RECP Practices | Society Development Committee (SDC) | High -value crops (vegetables, fruits, tea, and so forth) | Faridpur, Magura |
| 32. | Promotion of Value-Added Pineapple Products for Sustainable Growth and Instituting RECP Practices | Society for Social Service (SSS) | High -value crops (vegetables, fruits, tea, and so forth) | Tangail, Mymensingh |
| 33. | Promoting Sustainable Growth in Poultry Sub-Sector through RECP Practices | Society for Social Service (SSS) | Poultry | Tangail, Gazipur, Kishoregonj |
| 34. | Adopting Technologies and Practices for Resilient Green Growth in Fisheries Sub-Sector | TMSS | Pisciculture | Bogura, Nator, Pabna, Sirajganj |
| 35. | Promoting Sustainable Growth in Automobile Workshop by Recourse Efficient Practices | TMSS | Automobile workshop | Ranjpur, Rajshahi, Naogaon, Bogura |
| 36. | Promoting Resilient Green Growth in Dairy Sub-Sector through Ensuring RECP | Unnoyan Prochesta (UP) | Cattle & Buffalo | Khulna, Satkhira |
| 37. | Adopting Technologies and Practices for Resilient Green Growth in Fisheries Sub-Sector | Young Power in Social Action (YPSA) | Pisciculture | Chattogram, Feni |




# SMART INSIGHTS

A Biannual Newsletter of Sustainable Microenterprise and Resilient Transformation (SMART) Project

smart.pksf.org.bd Email: smart.pksf@gmail.com

PALLI KARMA-SAHAYAK FOUNDATION (PKSF)
PKSF Bhaban, Plot: E-4/B
Agargaon Administrative Area
Sher-e-Bangla Nagar, Dhaka-1207
pksf.org.bd; fb.com/pksf.org.bd