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1. Introduction

Haor Infrastructure and Livelihood Improvement Project (HILIP) is a project of the Ministry of Local Government, Rural Development and Cooperatives funded by the IFAD, Spanish Trust Fund & GOB. LGED has been implementing HILIP in 28 upazila under five Haor based districts namely Brahmanbaria, Habiganj, Kishoreganj, Netrokona and Sunamganj from January 2012 and to be continued up to June 2020 with a total cost of USD118 million.

The Haor Basin in northeastern Bangladesh is subject to very peculiar conditions and suffers from extensive annual flooding. This makes livelihoods extremely vulnerable and limits the potential for agriculture production and rural enterprise growth. For 6 to 7 months of the year, the croplands remain completely inundated. Strong wave action adds to the vulnerability as it can potentially wash away the land and poses a major threat to many villages in the Haor. Rural poor households have to depend upon fisheries and off-farm labor. The communication infrastructure is poorly developed with submersible rural roads providing some connectivity during the dry season and boats being the main source of communication during the flood season. The poor communication network limits the incentives for increasing production, discourages rural growth, limits access to markets and off-farm employment opportunities and limits access to existing social services particularly health and education. Strong wave action adds to the vulnerability as it can potentially wash away the land and poses a major threat to many villages in the Haor. Protection of villages against flood action, proper management of the fishery resources and securing existing livelihoods such as crop and animal production are critical needs for the poor rural households living in the Haor region.

The Climate Adaptation and Livelihood Protection (CALIP) is a supplementary project of IFAD assisted Haor Infrastructure and Livelihood Improvement Project (HILIP). CALIP is financed from IFAD's Adaptation for Smallholder Agriculture Program (ASAP) with USD15 million; the combined total financing of HILIP and CALIP amounts to USD 134.84 million.

CALIP will also introduce a number of innovations including restoration of communication, skill development, improved Products training, capacity building which all together will help to construct a comprehensive response for building community and ecological resilience to climate change.

2. Description of activities under CALIP (component: 4):

For economic development and livelihood improvement of Haor people CALIP program is contributing to the development of mainly in four sub-sectors namely

- **Village forestry**: Bamboo, Murta, Hizol Koros, Vetiver, Medicinal and fruits/plants.
- **Pond Fisheries:** Pond Fishery Training and Exchange visit.
- > Improved Products Training: Wood/Bamboo/Cane/Murta/ Jute and other products.
- ➤ Vocational Training: as an important means of diversifying sources of income of the Haor households.

3. Progress of CALIP Training Activities up to December, 2019

Sector wise progress of CALIP Training Activities under component 4 is described below:



A picture of TOT on Village Forestry at BFRI, Chittagong

a. Village Forestry: HILIP is developing Village Forestry through encouraging the cultivation of improved varieties of Bamboo, Murta, Hizol Koros, Vetiver, Medicinal and fruit plants as livelihoods and also for slope protection using locally available cost-effective materials like Vetiver.

The program was executed in the Upazela level through the available experts of BFRI (Chittagong), Local Forest Department, Agricultural Extension Department and through the trained trainers who received TOT on Village Forestry

from the BFRI, Chittagong. A total 100 person including progressive farmers and project staff received TOT from BFRI to act as trainers for this program.



Bamboo Plantation from Bamboo Cutting at Noabad, Baniachong



A picture of Bamboo plantation from bamboo cutting at Baniachong, Hobiganj



Vetiver cultivation of Nowab Ali, Kalmakanda, Netrakona



Training on Bamboo Production at Brahmanbaria Sadar



Training on Bamboo Production at Nabinagar, Brahmanbaria

As per AWPB (2019-20) 540 beneficiaries will be trained on Village Forestry in 27 batches. Implementation of training for the current fiscal year will be started soon. Revised DPP target for Village Forestry training is 59740 beneficiaries

in 2987 batches. The cumulative achievement since inception up to December, 2019 is 59177 beneficiaries in 2960 batches. Out of them 21677(37%) are male and 37500(63%) are female. The cumulative progress is 99%. Cumulative and current year's physical progress detail of Village Forestry training (Annexure – A), district wise implementation status of Village Forestry training for current fiscal year (Annexure – B) and district wise cumulative progress of Village Forestry training (Annexure – C) are attached with the report.

b. Pond Fisheries: The project is also expanding Pond Fisheries in high ground areas under CALIP in sustainable manner. The total activities under Pond Fisheries has already been completed in last June, 2019. That is the achievement is 100%. The project had signed an MOU on 2.11.2017 with the World Fish, Bangladesh for implementing the Pond Fisheries program under CALIP with special emphasis for expanding Mola Fish Cultivation. From November 2017 the World Fish, Bangladesh has been implementing the Pond Fisheries program of the project under CALIP and as per contract the World Fish, Bangladesh completed implementation of all the activities by June, 2019. A total of 5051 beneficiaries were trained on best management practices for pond fish cultivation. Out of them 2782 were male and 2269 were female. Under Exchange Visit program 5049(2766 male & 2283 female) beneficiaries visited different successful farms and hatcheries to gather knowledge by seeing, observing and sharing experience. The cumulative progress of the Pond Fisheries program by June 2019 was 100% and with this all the targeted activities as per RDPP has been completed. The participation of female in Pond Fisheries training is 45%.





Poly culture with Mola Fish at Tupiajuri, Baniachong, Hobiganj





Pond Fisheries Training implemented by the World Fish at Austogram, Kishoreganj.

Harvesting of Mola Fish from the Mola demo pond of Mr. Abdul Kuddus of Gazirgaon, Sunamganj

The detailed physical progress of Pond Fisheries training (Annexure - D), district wise implementation status of Pond Fisheries training for current fiscal year (Annexure - E) and district wise cumulative progress of Pond Fisheries training (Annexure - F) are attached with the report.

C. Advanced Improved Products Training:

HILIP is creating opportunities for income diversification through promotion of improved handicraft manufacture using local materials. Wood, Cane, Bamboo and other potential products like Jute Products, Packaging, Candle Making, Block – Batik, Nokshi Katha, Carchupi etc. are improved by providing training for improved design and technologies. These trainings are contributing a lot to diversify the income sources of the Haor people and to reduce dependency on rice, fisheries and livestock for livelihood of the poor Haor families.

As per provision of the revised DPP 7560 beneficiaries will be trained on Advanced Improved Products in 378 batches. By June 2019 the training of 378 batches has already been completed. So the achievement is 100% as per RDPP target. Since inception a total of 7475 beneficiaries were trained on Advanced Improved Products in 378 batches and the cumulative progress is 100%. Out of them 718 were male and 6757 were female. The percentage of female participants was 90%.



Jaheda(up) & Reshmi Akter(down) and their group are working on Block Batik, trained participants on Block Batik from Sunamganj.



SDS, HILIP is talking with a trained participant on Block

- Batik at Bashantapur, Bishwambarpur, Sunamganj.



Training on Jute products at Kishoreganj

The detailed physical progress of Advanced Improved Products training (Annexure – G), district wise implementation status of Advanced Improved Products training for current fiscal year (Annexure – H) and district wise cumulative progress of Advanced Improved Products training (Annexure – I) are attached with the report.

d. Vocational Training:

HILIP is undertaking Vocational training in non-farm areas like House Wiring, Tailoring, Plumbing, Refrigerator Repairing, and Mobile Phone Repairing, Welding, Driving cum Auto mechanic etc. for removing people's dependency on the natural resource base and also to provide good wages to the poor. These are lucrative occupations to reduce dependence on rice and fisheries as the main livelihoods in the Haor. These trainings are contributing to increase and diversify the sources of income for poor households. The project is organizing Vocational Training through Government institutions like government Technical Schools & Colleges, BRTC Central Training Institute and also through private Service Providers like LIFE - SBSS, TMSS, PDO and SMTI & Zhumka JV.

The project is also conducting training on Driving cum Auto mechanic for the beneficiaries through BRTC Central Training Institute (a public sector organization), Joydevpur, Gazipur.

The unemployed and underemployed adolescents and youths aged between 18 to 45 years are the target people of the vocational training program. However, priorities are given to specific preferential socially and economically vulnerable people- girls, women, unskilled labor, retrenched garment workers, street and working children, school drop-outs, people living in distress conditions (extreme poor), and physically disabled. The criteria for selecting participants of vocational training are as follows:

- i. Must be a Bangladeshi national.
- ii. Must be unemployed youth in the project target location.
- iii. Must not be the beneficiary of similar programs within the same location.
- iv. Minimum Class VIII pass but inability to pursue further education due to economic constraint.
- v. Age between 18 to 45 years but for training on Driving cum Auto mechanic the age is 20 to 45 years.
- vi. Committed to stay 45 days in the training center to complete the training.
- vii. Preferences are given to the physically handicapped but have the ability to receive training.
- viii. Though poor the beneficiary who can meet some of his/her basic needs during the training period.
 - ix. Motivation or determination to acquire an occupation to become self-reliant.
 - x. Should have basic interest and zeal for his/her development.
- xi. Should be free from other work obligations for a minimum of 45 days for completing the training.

xii. Should have the consent of the guardian to attend the training program where applicable.

The revised DPP target for Vocational Training is 9000 beneficiaries in 450 batches. 6881 beneficiaries were trained in different vocational trades in 346 batches up to December 2020 since inception. Out of them 5684 were male and 1197 were female. The percentage of female is 17%. Among the nine trades of vocational training, females are interested only in one trade that is tailoring. In other trades females are reluctant to participate. That is why the participation of females in vocational training is low. The cumulative progress of vocational training is 77% against RDPP target.

The detailed physical progress of vocational training (Annexure – J), district wise implementation status of vocational training for current fiscal year (Annexure – K) and district wise cumulative progress of Vocational training (Annexure – L) is attached with the report.

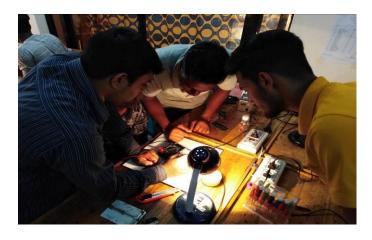


Participants selection meeting for Vocational Training at Azmiriganj, Habiganj.



Vocational Training on House Wiring at TMSS Training

Center, Sunamganj



View of Practical Session on Mobile Phone Repairing training in PDO-TTI, Sunamganj.



Training on Plumbing at TMSS Vocational Training

Center, Sunamganj.



IFAD Mission visiting the training on Driving cum Auto
mechanic at the BRTC Central Training Institute, Joydevpur,
Gazipur.

Vocational Training on tailoring at the Zhumka Vocational

Training Center, Netrakona.



Training on Driving cum Auto mechanic at the BRTC Central Training Institute, Joydevpur, Gazipur.

e. Job placement of vocational trained participants:

Most of the vocational trained participants are self-employed. An in-house survey conducted for evaluating the performance of the participants trained by the Government Technical Schools and Colleges in 2015-16 reveals that around 80% of the trained participants are utilizing their skills achieved through vocational training in some sort of income generating activities. Along with the four Government Technical Schools & Colleges following four private service providers have been working for providing vocational training for the following trades:

- (a) LIFE SBSS for Motor Cycle Repairing
- (b) PDO for Mobile Phone Repairing
- (c) TMSS for Refrigerator Repairing, House Wiring, Plumbing & Welding.
- (d) Zhumka & SMTI JV for Tailoring.

Private Service providers are also working for job placement for the participants trained by them. Trade wise job placement so far been completed is given below:

Job Placement Status of Vocational Trained participants:

Name of the training	Persons trained up to January,2020	Persons placed under job up to January,2020	Remarks
Diesel Engine & Pump Repairing	210		
Motor Cycle Repairing	878	480	
Mobile Phone Repairing	680	360	
Tailoring	1200	102	
House Wiring	1251	270	Most of the participants who are not in job are self-
Plumbing	419	180	employed.
Refrigerator Repairing	563	240	
Welding	260	66	
Driving cum Auto-mechanic	1400		
Total	6861	1698	

4. Overall Progress of CALIP Training:

The overall Progress of CALIP Training up to December 2019 since inception is 97%. Total 78584 participants were trained in 3904 batches. Out of which 30861(39%) were male and 47723(61%) were female. A detailed description of the overall progress of CALIP training is attached as Annexure – M with the report.

Although female participation in vocational training is low (17%) but the overall female participation in CALIP training is 61%. Advanced Improved Products training of the project is also a kind of vocational training. Female participation in Advanced Improved Products training is 90%. The consolidated female participation of Advanced Improved Products and Vocational training is 55% against our DPP target 30%.

The progress of CALIP training activities is in track and it is expected to be completed all the training activities in stipulated time.

Some success stories of CALIP Training Activities

A. Vocational Training:

1. Success Story of Handicapped Makluda

मित्र अवश्य व्यक्ति अविवाद व्यक्ति अविवाद व्यक्ति अवश्य व्यक्ति अवश्य व्यक्ति अवश्य व्यक्ति अवश्य अवश्य व्यक्ति अवश्य अ

Makluda received the award on the occasion of International Women's Day 2016 given by LGED as the second Best Selt-Reliant Woman

Makluda in her teens now was born with lameness in one leg. In early life, she had a notion that disability was a curse. But it could not stop her. Child of a poor parent of Tukargaon village under the Sadar Upazila of Sunamganj district, indomitable mental strength was behind her success in going ahead to pursue the dream of standing on own feet. Makluda attended school regularly with other children defying her disablement. The sudden death of her father put the family into a precarious situation. She rose to the occasion and took a firm resolve to help her mother. The handicapped damsel decided to discontinue with school and thus her academic pursuit came to a half at standard eight. Later, she got herself involved into the tailoring vocation to overcome the financial crisis of her family. In the meantime, her mother Khairun Begum joined the Labour Contracting Society of Haor Infrastructure and livelihood Improvement Project (HILIP) of the Local Government Engineering Department (LGED) and began working in the road development

program which was under implementation, She procured a sewing machine from the money she had saved out of her wage. This machine immensely contributed to increase involvement of Makluda in tailoring and dress making. But her lacked skill in cutting and sewing which was a hindrance to making quality and need-based products. One day the Social Organiser of the HILIP Project told Makluda's mother about a forthcoming training program on tailoring and dress making for women under "Climate Adaptation and Livelihood Protection (CALIP)" of HILIP Supplementary Project at Chatak, a Upazila under Sunamganj. Makluda grabbed this opportunity and completed the 45 days long residential course at the Chatak Technical School and College which infused a new confidence her. As a result, she could enhance her income on an average between 400 to 500 taka per day and she now contributes to meet the family needs. Makluda also maintains a saving bank account where she deposits two thousand taka per month. For her outstanding



success, the HILIP project of LGED nominated her for the award for self-reliant woman. She won the award centrally as the Second Best Self Reliant woman. The prize carries a crest, certificate and taka 10,000 from LGED. Makluda received the accolade on the occasion of the International Women's Day on March 2016 at a function held at LGED headquarter.

2. Success story of Uzzal Sarker -a self-reliant young through receiving vocational training of HILIP, LGED

Uzzal sarker, the son of Dulal Krishnaw Sarker of the Village: Tirrai, Union: Kalaruka, Upazila: Chhatak, District: Sunamganj. Dulal Krishnaw Sarker has two sons; Uzzal Sarker is the elder son.

Dulal krishnaw Sarker(father of Uzzal Sarkar) has no land property except homestead. He was a low paid employee of a private business organization. But he could not continue job because of his illness. So the economic condition of his family became very miserable. But it is praise worthy that overcoming all of his hardships he gave basic education to his sons.

Uzzal Sarker came to know from some reliable source that a 45 days long vocational training program on Refrigerator Repairing will be arranged by Haor Infrastructure & Livelihood Improvement Project(HILIP) of LGED for unemployed youths. He visited HILIP, LGED office at Chhatak, talked with local HILIP officials and expressed his interest to participate in the program. He filed an application form and attended an interview with local HILIP officials to be selected as a participant for the training program. Considering his keen interest local project authority finally selected him as a participant.

After final selection he joined at the Chhatak Technical School & College for participating a 45 days long Vocational Training program on Refrigerator Repairing. He attended all the theoretical and practical classes' very attentively and successfully completed the training.

He returned home on 17 th March, 2016 after completing the training. He received a call on the second day of his returning home for repairing a refrigerator. He attended the call with courage and finished the task very successfully. He earned Tk. 1200/ as remuneration. This was a remarkable inspiration for him. Then he started attending calls and providing home service to the clients. Now he has started a shop of his own in his local Upazila town Chhatak. On an average his present net income is Taka 10000/ per month.

He expects that his earning in coming days will increase remarkably. He

dreams that his business will not only be limited to a Refrigerator Repairing shop but it will also be expanded to a Refrigerator selling shop.



3. Kiron started a new life by receiving Vocational Training on 'House Wiring' from LGED, Netrakona.

Md. Mosharof Hossain Kiron age 19 years lives in the village Tanga of Pogla Union, Under Kalmakanda Upazela of of Netrakona District. He used to lead a vulnerable life as he has to maintain a family of 5 members, including his mother & school going younger brother with his limited income. When he was a student of class ix his father

died suddenly. At that critical moment as there was no other earning person in his family, it was very difficult for him to continue studies & also to maintain family with very limited income from agricultural land. To fulfill



Fig: Kiron is working in his shop.

his family need & to bear his younger brother's educational expenses he always tried his best for but could not mitigate from his income from agricultural occupation because he has very limited knowledge in this sector. He became frustrated about future of his life.

At that moment Climate Adaptation and Livelihood Protection (CALIP) under LGED was searching participants for Vocational Training on House Wiring. He came to know about the opportunity from Md. Anwar Hossain, Community Development facilitator. He was selected as a participant for Vocational Training on House Wiring. He successfully completed 45 days long training on House Wiring at the UCEP Bangladesh, Sylhet Training Center.

After completing training course he joined as a technical person in the "Pran Company Limited", Dhaka. But he was always thinking for starting a business of his own for better livelihood. Finally he contacted with a house owner for taking lease of a room at the rate of BDT 2000/-(Two thousand taka) per month, at Gutura Bazar, Kalmakanda, Netrakona. After signing the agreement he resigned from the job. Kiron started his own business from 01 August 2015. He communicated with the "Pally Biddut Somitee" personnel to involve in the activities of Rural Electrification. At the initial stage though his income was not sufficient for a few months but he gained popularity within a very short



Fig: Kiron is working in his shop.

time because of his skill and his income started to increase day by day. At present he earns on an average BDT 10,000-12,000/- per month. Now he can fulfill his family requirements including the educational cost of his younger brother.

In future he thinks to buy sufficient instruments & tools' & wants to expand his business further. Kiron is grateful to LGED for his successful livelihood.

4. Rakib now dreams for happiness

Name: Md. Rakib Mia

Trade: Electrical House Wiring

Batch No: 02

Training period: 45 Days (14/05/2019-05/06/2019)

Address: Uttor-Purbo, Baniachang, Habiganj.

Mobile: 01315-803133

"My present life would not have been as beautiful if I had not received the LGED-HILIP (Haor Infrastructure and livelihood Improvement Project) project's Electrical House Wiring training from the TMSS Vocational Training Center Habiganj; and I was afraid to dream of happiness." Md. Rakib Mia, son of a lower middle class family in the Uttor-Purbo village of Baniachang Upazella of Habiganj district. His father moved abroad one year ago for livelihood. Rakib intended to pursue higher education after passing SSC, but he could not go to college after SSC due to family financial problems. Their family members are 06. Talking to his father over phone, Rakib realizes that his father is not in a good position in foreign soil. So Rakib himself decided to do something and not to let his father suffer so much in foreign soil.

During this time, he came to know about TMSS Vocational Training Center Habiganj, which offers completely free training on various technical issues through the LGED-HILP (Haor Infrastructure and livelihood Improvement Project) project. Rakib met with local HILP, LGED officials and expressed his interest to participate in the training on Electrical House Wiring. Finally Rakib was selected for the training and went to the TMSS Vocational Training Center Habiganj for receiving a 45 days long training on Electrical House Wiring. After training, through TMSS Job Placement Cell he joined to Dutch-Bangla Pack Limited as a machine maintenance operator of the electrical section for a monthly salary of 10000 Taka.

Rakib also said "I have no problem working in the workplace because I already received training. I can understand all the tasks very easily. Now I can send my family 8000 taka a month, which is helping to bring about my family happiness. I will work for a few more months, will tell my father to come home and start a shop at Baniachang Market. My present life would not have been as beautiful if I had not received the LGED-HILIP (Haor Infrastructure and livelihood Improvement Project) project's Electrical House Wiring training from the TMSS Vocational Training Center Habiganj; and I was afraid to dream of happiness."

5. Tahmidul Hasan, the envoy to fulfill the dream of the family



Name: Tahmidul Hasan Trade: Welding Batch No: 01

Training period: 45 Days (05/03/2019-21/04/2019) **Address:** Chowdhurypara, Baniachang, Habiganj.

Mobile: 01782-357575

"I have got a better life from an uncertain situation. I am honored to be an important person in my family, not a burden now. I am in a good position in my life with all my family members. I can help to fulfill the dreams of everyone in my family. This kind of training is very useful for unemployed youths in a family like me. My dream is that in the future, I will set up an organization in my area, will create job opportunity for the unemployed youth and there will be no unemployed youth in my area, everyone will work and be dependent on self. I am very much grateful to TMSS as well as HILIP project under LGED."

Tahmidul Hasan. of son Habiganj, is 25 years old. Growing up in childhood and completing his studies Chowdhury Para, Banirachang Upazilla in Habiganj. Hasan passed the SSC after a lot of hard work in the endless efforts of his day labour father. There are 7 members in his family including 5 brothers and sisters. Hasan is the eldest son of their family. His father is the only earning person of them. It was very difficult task to run the family with only his father's income. Hasan was thinking of doing something to earn and help his father as an older son.

Hasan came to know from the Local Staffs of HILIP (Haor Infrastructure and livelihood Improvement Project) under LGED funded by the IFAD, is implementing the vocational training program by TMSS in 28 Upazillas under five Haor basin districts namely Sunamgani, Kishoregani, Habiganj, Brahmonbaria and Netrokona. These training are residential and totally free of cost and at the end of the job training assistance provided by the Training Institute. Hasan decided to take the training and was registered

at TMSS Vocational Training Center in Habiganj. He completed the 45 days long training on Welding. Hasan successfully completed his training and joined the job at Habiganj Industrial Park with the help of the Job Placement Cell of TMSS. Success in his job comes in a short period of time, with his passion for work, integrity and hard work.

Currently, Hasan is earning around 10 thousand taka. Training from TMSS Vocational Training Center completely changed his life. Earlier, the family lived by the income of his father, but now Hasan can help his family with about 6-7 thousand taka.

Tahmidul Hasan says, "I have got a better life from an uncertain situation. I am honored to be an important person in my family, not a burden now. I am in a good position in my life with all my family members. I can help to fulfill the dreams of everyone in my family. This kind of training is very useful for unemployed youths in a family like me. My dream is that in the future, I will set up an organization in my area, will create job opportunity for the unemployed youth and there will be no unemployed youth in my area, everyone will work and be dependent on self. I am very much grateful to TMSS as well as HILIP project under LGED."

B. Advanced Improved Products Training

1. Struggling lady Archana now a Successful entrepreneur





Archana, a struggling lady lives in the village Sholachora of Beheli union of Jamalgani Upazela under Sumanganj district. She was living from hand to mouth with her two daughters & jobless husband. She was not finding any way to get relief from the curse of poverty. At that time Archana's husband came to know from the local Community Development Facilitator that HILIP/CALIP is providing trainings on different trades to poor people so that they can develop their skill, knowledge to do something for better life. Archana's husband sent Archana to join in a 10 (ten) days long training on jute products manufacturing in Sunamganj on October 2016. Whenever Archana completed her training, she started planning on how she can start a small business & provide a better life to her children. But capital for business became a big challenge for Archana. At that time HILIP/CALIP staff stood beside Archana & took her to local Grameen Bank. They showed Archana's training certificate to the manager of Grameen Bank to make him understand that Archana is enough skilled & she is eligible to get a loan for starting a small business. However, Archana got a loan of BDT 30,000.00. With that money she purchased 3 (three) heavy hand sewing machine, raw materials & started a small jute products manufacturing factory. Now Arachna is manufacturing different types of jute products like Dram Bag, School Bag, Shopping Bag, Mobile Bag, Parcel Bag etc. Archana's husband sells the products in the market and helps Archana to buy raw materials from Dhaka. HILIP/CALIP official created a link between Archana & national level brand shop named "Jayeta' by which Archana sells her products at Bangladesh hand crafts fair. Now Archana's business is running well & she created employment opportunities for four young jobless girls in her factory who received training on jute products manufacturing from HILIP/CALIP. They are paid on the basis of the number bags they can make in each month.

Archana is earning BDT15000/- per month by running her factory from which she is paying back BDT 2600.00 per month as installment of her loan. She saves BDT 200/ per month in her bank savings account. Archana spends BDT 8000.00 per month for her business & family. At the end of the month she can save around BDT 4200.00 per month. Archana now got relief from the curse of poverty & she is enjoying a better life than before with her two daughters & husband. Now her children are going to school and she can buy good dress & food for her children. She wants to make her business

bigger in future. She expressed are fillings saying," I don't want to see any more women like my past life & I want more poor women to receive this kind of training and get involved with business like me."

2. Asia Begum – an established lady



Asia Begum, wife of Shahab Uddin Mia, Village: Rathani, Union: Bangalpara, Upazila: Austogram, District: Kishoreganj is a simple housewife. Her husband is a small businessman with a poor income. Because of little income of her husband they were not able to fulfill the basic needs of their family. Asia was trying to find some way to get rid of this miserable situation.

In Haor areas lands remains under water around six months of the year. During the whole period when lands used to remain inundated the income of her husband was even lower. Moreover for some unexpected loss in the business of her husband they had to borrow around Taka one lac from different local NGOs for meeting essential family expenditures. They had to repay the loan on a weekly installment. This created more hardship on their livelihood and even it became difficult to bear the educational expenses of her only son.

From some reliable source Asia Begum came to know that HILIP, LGED will arrange a ten days long training on the preparation of Jute products at Kishoreganj. She contacted with local HILIP staff and was finally selected for the training on Jute Products. She attended the training from 3rd March to 12th March 2016 at Kishoreganj. She gained skill for preparing Shopping Bag, Vanity Bag, School bag, Folder etc. from the training. The expertise of Asia Begum was noticed by the local HILIP officials. She got an order from HILIP, LGED for preparing 2500 numbers of folders for using in different training programs. The market price of the training folders was Taka 62500/. Asia Begum earned a profit of Taka 25000/ (Taka Twenty five thousand) by supplying the order. From then on she started supplying different jute goods made by her in local markets. This helped her to earn an income of Tk. 6000/ to 7000/ per month and enjoy some sort of economic freedom and empowerment. She competed for electing as a member of the local Union Parishad in 2016.

3. Success Story of Niro Rani Sarkar

(A trained participant on Bamboo products)

Niro Rani Sarkar aged 31 years. She is married with Upendro Sarkar, a poor famer having only the homestead and a piece of land which is not sufficient for a better livelihood. She has a boy of 10 years and a girl of 13 years. She is a very poor women living in a village named Noabad, Upazela Baniachong under Habiganj district. Finding no other ways, she was earning BDT 500-700 per month through producing Winnowing Fan (local name, Koolo), Orra(local name) and Zhaaki (local name) before receiving any formal training. But she was always trying to change her fate.

Niro Rani Sarkar came to know from some reliable source that a seven days long Advanced Improved Products training program on Bamboo Products was going to be arranged by the Climate Adaptation and Livelihood Protection (CALIP) of Haor Infrastructure and Livelihood Improvement Project (HILIP) for unemployed man and women. She talked with local HILIP officials (Habiganj) and expressed her interest to participate in the training program. Considering her interest, local Project authority finally selected her as participants for Bamboo Products training.

After final selection, she joined a seven days long training Program (31.01.16 to 6.2.16) on bamboo products at Januar Training & Resource Centre, Habiganj. She attended all the theoretical and practical classes and successfully completed the training.





Niro Rani Sarkar with her Bamboo products.

After receiving training, she could enhance her income on an average BDT 5000 to 7000/-per month by making different types of bamboo products such as Koka, Chaai, Kooicha, Khacha etc, (local name) as per local demand. Now she can contribute to meet her family needs at least partially. Already Niro Rani bought a cow worth BDT 13000/-for rearing.

She says that for producing Bamboo Products Bakal Bamboo (local name) is required as raw material, which she purchases from local market with comparatively high price. It is not available all the year round. Now she decided to cultivate Bakal Bamboo with the assistance of HILIP staff.

Niro Rani is also giving training two of her relatives Rupali & Nipendra on Bamboo Products. Niro Rani Sarkar has a dream to expand her business further and to give better education to her children.

4. Block Batik Training changed the fate of Shahana Akter

A. Basic information:

Name: Shahana Akter

Age: 34

Primary Occupation: House wife, Secondary Occupation: Block

Batik

Training received: From 13.06.2017 to 19.06.2017

Address: Village: Kunatochra, Union: Badaghat, Upazela:

Tahirpur, District: Sunamganj.



B. Context:

The name of Shahana's husband is Md. Nabi Hossain. She has four daughters and total family members are 6. Nabi Hossain works as a day labor. He has no land resources other than the homestead. Shahana was passing her days with hardships. She was unable to bear the educational expenses of her daughters. During that time Shahana came to know from the Community Development Facilitator of HILIP, LGED that HILIP is arranging training programs on Bamboo Products, Jute Products, Nokshi Katha, Block Batik etc. for the local unemployed man & women. She decided to take training on Block Batik and enlisted her name as a participant. After receiving training she started working on Block Batik. Her husband and three elder daughters always help her in the effort. She started producing two piece, three piece, Bed Cover, Pillow Cover, Table Cover and Bolck printing on Sari. She started selling her products in local markets. Now she is earning around BDT 15000/-16000/ per month. She is supporting her husband in meeting family expenditure. Now she can bear the educational expenses of her daughters. By this time she has purchased one cow and two goats by the savings generated so far. She has also taken lease of 15 decimal lands for producing vegetables. She is also imparting training to 6-7 unemployed girls of the village at free of cost.

C. Future plan:

She will expand her business further and will give her daughters higher education.

C. Pond Fisheries Training

1. General Farmer

A. Basic information:

Name: Md. Hasanujjaman

Age: 25

Educational Background: Dawra

Primary Occupation: Teacher, Secondary Occupation: Fish farming and Agriculture

Area of Pond: 26 decimals Farmer type: Grow out

Training received: 18-11-2018

Address: Bashudeb, Brahmanbaria Sadar.

B. Context:

Father's name of Md. Hasanujjaman is Md. Feru Bhuiah. He has three brothers and two sisters, total family members are 8. One brother lives in Dubai, another one is a high school teacher, and third one works in a private farm and two elder sisters are married. His parents help him in his agricultural activities. Total family income is BDT 4, 40,000 per year. He is a teacher of a local religious institution (Madrasah). They have 210 decimal agricultural lands. When he received training on Carp-Mola Polyculture of CALIP, he became inspired to produce Carp-Mola in a small scale. He took lease of a 26 decimal pond to implement Carp-Mola polyculture technology. Last year, he harvested 275 kg,



from which 200 kg sold, 60 kg consumed and 15 kg gifted to neighbors and relatives. Out of the total harvest of 275 kg, Mola harvest was 22 kg from which consumed 10 kg and sold 12 kg. Remaining fish of that pond was 600 kg (approximately). Total expenditure of the culture is about BDT 35000. Total value of the cultured carp-mola fish was about BDT 121635. Previously he used to cultivate only carp fish and total harvest was 615 kg (approx.). By observing the success of Md. Hasanujjaman many farmers of the locality inspired to cultivate fish adopting Carp-Mola polyculture technology.

C. Future plan:

He will lease more pond area to cultivate more Carp-Mola. He has also a dream to establish a Madrasah to promote Islamic Education of the locality.

2. Demo farmer:

A. Basic information:

Name: Md. Harun-or-Rashid

Age: 55

Educational background: Class 5

Primary Occupation: Fish farming and Agriculture

Area of Pond: 30 decimals

Farmer type: Demo

Training received: 14-05-2018 Demo established: 19-07-2018

Address: Ghataria, Ramrail, Brahmanbaria Sadar. Mobile No.: +8801776637444, +8801814933771

B. Context:

Md. Harun-or-Rashid is a local leader, but he is also an ideal farmer. He has one son and two daughters and his total family members are five. He has 130 decimal agricultural lands. His son works in the

Middle East. His parents help him in his agricultural activities. Total family income is BDT 1, 25,000 per year. He owns two cows, three sheep and thirteen chickens. After receiving training on Carp-Mola Polyculture of CALIP, he encouraged to cultivate Carp-Mola in a small scale. In his 30 decimals pond he implemented the Carp-Mola polyculture technology. Last year, he harvested 480 kg, from where 400 kg sold, 45 kg consumed and 35 kg gifted to friends & relatives. Out of the total harvest of 480



kg, harvest of Mola was 15 kg from which consumed 5 kg and sold 10 kg. Remaining fish of that pond was 360 kg (approximately). Total expenditure of the culture was about BDT 17000. Total value of Carp-Mola fish produced was about BDT 113400. Previously he used to cultivate only carp fish and total harvest was 733 kg. So many farmers of the locality inspired to adopt Carp-Mola polyculture technology by observing the success of Md. Harun-or-Rashid.

C. Future plan:

He will expand his cultivation of Carp-Mola polyculture by taking lease of more ponds.

3. Brood farmer:

A. Basic information:

Name: Md. Abdul Wahab Miah

Age: 51

Educational Background: Class 3

Primary Occupation: Fish farming and Agriculture

Area of brood Pond: 80 decimals

Farmer type: Brood pond Training received: 05-02-2018 Brood pond established: 25-02-2018

Address: Kurshi, Chowganga, Itna, Kishoreganj.

Mobile No.: +8801827034948

B. Context:

The first Mola Brood pond was established at Kurshi, Chouganga village of Itna Upazila under Kishoreganj district by Md. Abdul Wahab Miah. He has three children and his total family members are five. He is the only earning member of his family. All the three children are getting their education depending on his earnings. Total agricultural land is about 120 decimals where he cultivates Aman rice once in a year. Last year, this pond was harvested several times. Total harvest (Carp and Mola) of the brood pond was 2242 kg and remaining fish in the pond was nearly 1300 kg. Previously he used to cultivate only carp fish and total harvest was 2050 kg. Out of total current harvest 225 kg was Mola from which he consumed 43 kg, sold 182 kg. The price of total harvested Mola was BDT 88998. The World Fish monitored 4 times harvesting which was as follows-

Date	Mola	Price/kg	Total price
	harvest(Kg)		(BDT)
21.05.18	28	500	14000
22.05.18	27	510	13770
24.05.18	30	490	14700
28.05.18	22	450	9900
Total	107	489	52370

As per commitment, the owner of the brood pond also distributed one kg Brood Mola among the five trained farmers of CALIP. The recipient's farmers are-

Md. Azizul Islam, Father- Md.Eradhor, Kurshi- Itna. Abul Miah, Father- Md.Kazimuddin, Kurshi- Itna. Md. Joynal, Father- Md.Tota miah, Kurshi- Itna. Moromdi, Father- Md.Nur Ali, Kurshi- Itna.

Md. Arshed Miah, Father- Md.Goju Bepari, Kurshi- Itna

Except above-mentioned 5 farmers, other neighbors are also inspired by him to start Carp-Mola culture.



Fig: Harvesting of Carp-Mola and distribution of one kg Brood Mola among the five trained farmers (as replication) of CALIP by owner of the brood pond.

C. Future plan:

He wants to expand the cultivation of Carp-Mola polyculture by leasing more ponds.

D. Village Forestry

1. Success story of Mr. Fazlur Rahman, a Bamboo Producing Farmer.

A. Basic information:

Name: Fazlur Rahamn

Age: 47

Educational background: SSC

Primary Occupation: Day labor, Secondary Occupation: Plant nursery including Production of

Bamboo Branch Cutting & Production of Bamboo from Bamboo Branch Cutting.

Area of nursery: 20 decimals Training received: 25-12-2016

Address: Village: Jagannathpur, Union: Mendipur, Upazela: Khaliajuri, District: Netrakona.

B. Context:



He could not continue his studies after passing SSC due to poverty. He has two sons and one daughter. He used to maintain his family by working as a day labor. He has a tin shed home

of his own and beside his home he has 20 decimals of high land. He started a nursery in his 20 decimals of land. After receiving training on Bamboo Production he started Production of Bamboo Branch Cutting in his nursery. He produced 200 cuttings at the cost of BDT 1000/. After four months he sold

the cuttings at rate of BDT 200/ per cutting. He invested his profit for further production. In this way the production of Bamboo Branch Cutting and Bamboo became a secondary source of income.

C. Future plan:

He will expand his business and will spread his technology to other farmers of the locality.

2. Suprova Sarkar is a successful farmer of Bamboo Production from Bamboo Branch Cutting

Suprova Sarkar(35 years) wife of Girindra Sarkar lives at Noabad village, Mokrompur, Baniachong Upazela, Habiganj district. She got married while she was only 16 years old. They are very poor having only the homestead and a piece of land which cannot support their better livelihood. Her husband was the only earning member of the family who is a fisherman and this earning could not fulfill the minimum family requirements. She has two school going children. So Suprova Sarkar was searching for some way to earn something to change their miserable livelihood pattern.

Suprova Sarkar participated a seven days long training on Bamboo Products at Jannat Training & Resource Centre, Bohoola Enatabad, Habiganj organized by the HILIP (Haor Infrastructure & Livelihood Improvement Project), LGED. Her training started from 10-04-2016. She attended all the theoretical and practical classes and successfully completed the training. Before receiving the training, she was earning BDT200-300/- per month making Chaai (fishing trap) and Orra (local name, like basket). But after receiving that training, her income enhanced on an average between 2000/--3000/- per month by making different type Zhaaki, Show Pieces, Koola ,Khacha etc. (local demand based) and then she can contribute to meet her family needs at least partially.

Producing bamboo products need Bakal Bamboo (local name) which she purchases from local market with comparatively high price. It is not available all the year round. So she decided to cultivate bamboo with the assistance of HILIP staff.

Some of the HILIP staff of Habiganj rechieved a four day long training on bamboo production from Bamboo Branch Cutting from the Bangladesh Forest Research Institute, Chittagong & assisted a nursery owner, named Kaptan Mia (Upazila Baniachong) to use the technology for producing some bamboo saplings from stem cutting. Project staff collected 35 nos bamboo saplings from that nursery & supplied to Suprova. She planted 35 nos of bamboo saplings on 11-11-2016 at 2.5 decimal fallow land. Total expenditure for the bamboo garden up to December, 2019 was BDT 4900/.









Expectation: After 3 years, it will be a garden with about 350 bamboo trees and the expected value of these trees will be at least BDT(350x250/-) 87,000/.

Bamboo is a very essential material for rural livelihood. Earlier there was no "Branch Cutting" bamboo garden in Baniachong Upazila. It is a new technology for establishing a bamboo garden. Villagers come to observe the change in different growing stages of the garden.

3. Success story of Mr. Abdul Kuddus, a Bamboo Producing Farmer.

A. Basic information:

Name: Abdul Kuddus

Age: 49

Educational background: Class v

Primary Occupation: Agriculture, Secondary Occupation: Plant nursery including Production of Bamboo Branch Cutting &

Production of Bamboo from Bamboo Branch Cutting.

Area of nursery: 25 decimals

Training received: 26.10.2015 to 29.10.2015 from the Bangladesh

Forest Research Institute, Chittagong.

Address: Village: Radhanagar, Union: Gourarong, Upazela:

Sunamganj Sadar, District: Sunamganj.



B. Context:

Abdul kuddus is a small farmer with 2.5 acres land of his own. He could not continue his studies after primary level due to poverty. He has five children. He has 25 decimals of high land. He started a nursery in his 25 decimals of land. He was selected as a participant for the 4 days long training on Village Forestry at the Bangladesh Forest Research Institute, Chittagong where he gained details knowledge about the production of bamboo from bamboo branch cutting. After receiving training he started Production of Bamboo Branch Cutting in his nursery. He produced Bamboo Branch Cutting in 06 decimal of land and made a profit of BDT 11000 by selling Bamboo Cuttings to local farmers. The profit inspired him to expand his activities further. Abdul kuddus earns around BDT 8000/-10000 per month by producing Bamboo Cutting, Saplings of medicinal & fruit plants and vegetables. He



established himself as a progressive farmer of the locality and many farmers come to him to take his advice.

C. Future plan:

He will expand his activities and will spread his technology to other farmers of the locality. He will give higher education to his children.