



Annual Report 2018-2019



LEDARS

Local Environmental Development and Agricultural Research Society

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Messages from Chairman



LEDARS (Local Environment Development and Agricultural Research Society) is a LEDARS (Local Environment Development and Agricultural Research Society) is working for the development of climate victim people in the South-West coastal area of Bangladesh. Disaster and climate effects are the common phenomena in this area. High intensity of cyclone, drought, erratic rainfall, sea level rising and others adverse climatic incidents affect the people's life and livelihoods. The people of this area were very much dependent on agriculture to continue their livelihoods, but due to the salinity intrusion in the agricultural land these agriculture based livelihoods scopes are severely affecting now. Salinity is

the major concern in this area, as it destroys the traditional agricultural scopes and affects the surface fresh water sources. Moreover, people are always in threat due to fragile embankments and high intensity of the tidal surge. The Living standards of marginalized people are being significantly decreasing in this area. Limited safety net activities, less effective services from government, less supportive initiatives to adapt in the adverse effects of climate change are pushing the innocent people to migrate from here. LEDARS always considers the focal problems of climate vulnerable community and works for the climate victims in cooperation with relevant stakeholders.

LEDARS' initiatives for resilient live to regain diversified livelihood activities as well as it is increasing the food security at household level. Alternative livelihood support to increase the household income plays an important role to empower the women financially.

LEDARS has been trying to address the problems of vulnerable communities, especially the problems of female, marginalized group, socially excluded groups and youth to enhance their human rights. LEDARS is playing a significant role in the South-West costal area of Bangladesh to establish the human rights of climate affected community. Supporting the community to raise their voice to get the attention of local, national and international service providers and policy makers for establishing a dignified life considering the climate vulnerabilities.

I appreciate the performance of LEDARS staffs for standing to support the disadvantaged community to achieve the vision of LEDARS and I owe to all of the supporters of the community, LGIs, Journalist, different institutions and government administration for their cordial cooperation to implement the LEDARS activities effectively.

I am expressing my gratitude to all the donors for supporting the vulnerable community in the coastal area of Bangladesh to gain a dignified life and wishing to LEDARS to continue the working spirit.

Name:
Chairman,
LEDARS Governing committee
LEDARS, Shyamnagar, Satkhira

Messages from Executive Director

LEDARS (Local Environment Development and Agricultural Research Society) is a non-government organization working in the southwest coastal region of Bangladesh since 1996. LEDARS has been registered by Social Welfare Department and NGO Affairs Bureau, Government of Bangladesh. Currently LEDARS is working with 11,249 families by different programs in different remote areas. I am very much pleased to present the annual report for the fiscal year of 2017-18. The report demonstrates the achievements, progress and a glimpse of projects. This fiscal is very much challenging because we have done a lot of work and most of these were new for us.

In this year, LEDARS focuses on the climate resilient agriculture, adaptive livelihoods, integrated water management for drinking and irrigation, environmental conservation, promotion of science education and health services in the southwest coastal region of Bangladesh. LEDARS is educating the beneficiaries by farmers field School, community meeting, printing and publishing IEC materials like leaflets, posters, flip chart, booklets, and billboards. LEDARS has also published a crop calendar that is a special printed material for climate vulnerable farmers. LEDARS is thankful to all supporting Government Organizations like District Administration, Upazila Administration, Department of Agricultural Extension (DAE), Fisheries, Livestock, Soil Resource Development Institute (SRDI), Social Welfare Department, Upazila and Union Parishads.



We express our gratitude to all of our supporting donor organizations, NGOs, well wishers and other stakeholders for their enormous support to overcome this challenging year. We are also very much thankful to all of our devoted colleagues for their hard labor to reach a milestone of our missions.

Mohon Kumar Mondal
Founder and Executive Director



VISION To contribute in poverty reduction of the poor and marginal groups through optimum usage of local resources.



MISSION LEDARS supports and equips people with appropriate methods to raise their voice and establish basic human rights, in order to ensure livelihood security of the most vulnerable and socially excluded segments of the population.

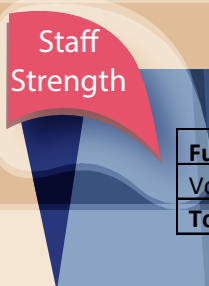
LEDARS is Committed to

- Raise awareness on the adverse effects of environmental degradation and climate change
- Build the capacity of marginalized communities to cope with climate change
- Promote adaptive technology for climate change adaptation and mitigation in agriculture, water management and livelihoods
- Conserve the bio-diversity of the Sundarbans mangrove forest and the coastal ecosystem
- Create access to quality education for underprivileged children
- Organize the Sundarbans resource user community for sustainable resource management
- Provide primary health care services for vulnerable communities
- Create opportunities for vulnerable women, especially female headed families to claim their rights and have income security
- Contribute to build a just society through a sustainable environment, human rights, sound practices and good governance.

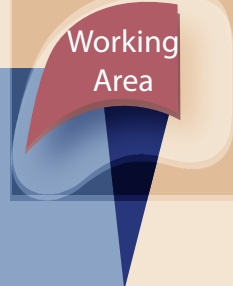
SL.No.	Authority	Registration Number	Date
01	Social Welfare Department	Sat- 241	11 May 1999
02	NGO Affairs Bureau	2477	2 September 2009 (Renewed)



Note: LEDARS has PADOR registration and ECOSOC status



Full time	37
Volunteer	44
Total=	81



District	Upazila
Satkhira	Shyamnagar
	Kaliganj
	Asasuni
Khulna	Koyra

Address of Head Office

Village-Munshigonj, Post Office-Kadamtala, Upazila-Shyamnagar, District-Satkhira, Bangladesh.

Branch Offices

Koyra Office	Asashuni Office	Shyamnagar Project Office	Kaligonj Branch Office
Gharilal Bazar, Koyra, Khulna	Shrikalash, Assasuni, satkhira	All Modina Traders, Nakipur Bazar, Shyamnagar, Satkhira	Saheber More, Kaligonj, Satkhira

Training Facilities;

Center for Coastal Climate Resilient (C3R)

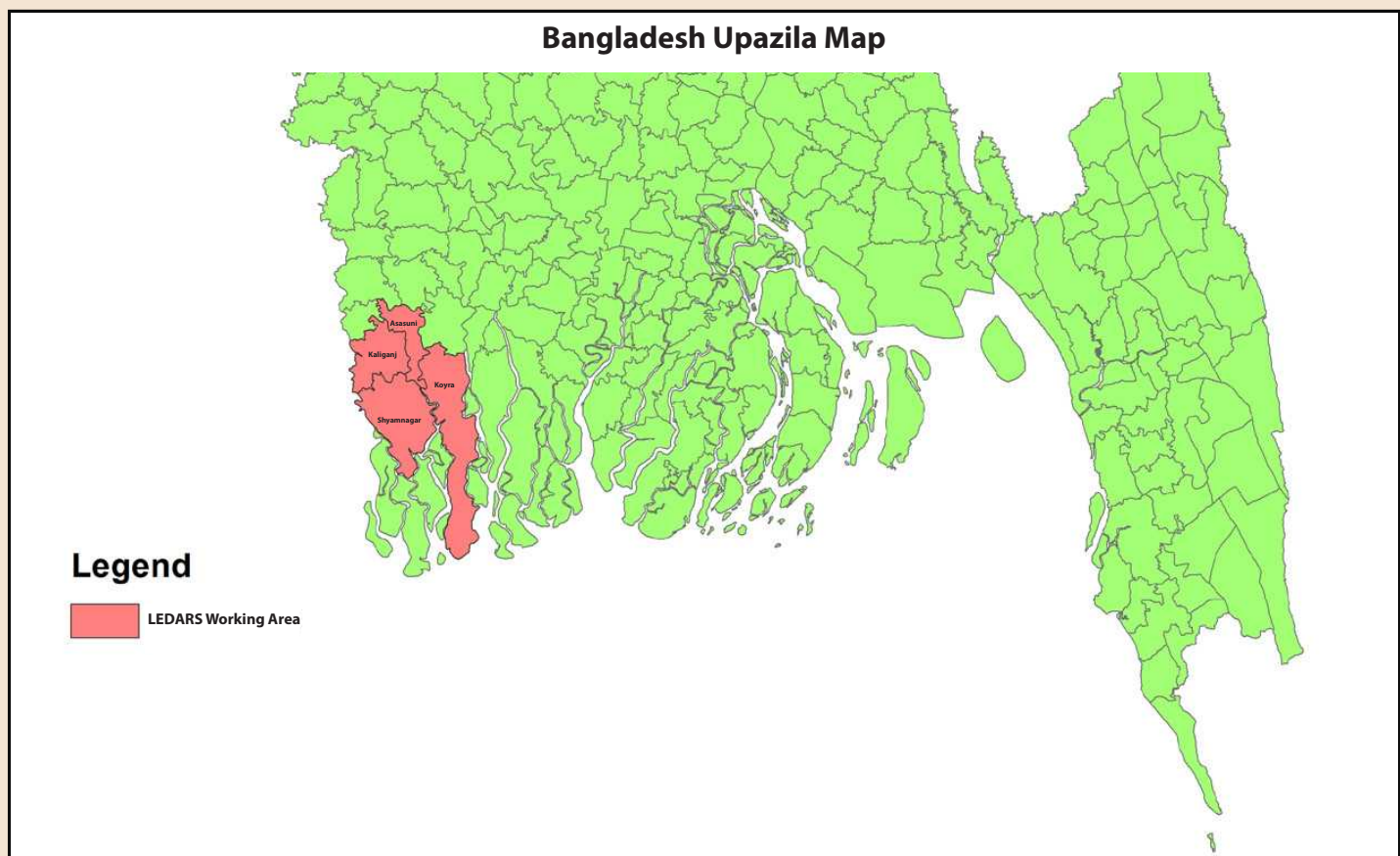
Village-Dhankhali, Post Office-Kadamtala, Upazila-Shyamnagar, District- Satkhira, Bangladesh.

Projects of Concerning Annum

Program/Project	Main Activities	Working Area	Funding Source
Strengthening Livelihood Security of Climate Change Vulnerable People	<ul style="list-style-type: none"> • People organization formation and awareness building • Building awareness on climate change and adaptation • Promoting resilient agriculture • Promoting water management for resilient agriculture • Support women, including tiger victim widows for sustainable Income Generating Activities • Support community people for drinking water and health care • Support Local Government Institute (LGI) to formulate Local Adaptation Plan of Action (LAPA) 	Shyamnagar Upazila of Satkhira District & Koyra Upazila of Khulna district	Bread for the World
Development of Center for Coastal Climate Resilient (C3R)	<ul style="list-style-type: none"> • Establish a center with training facilities for the community people, stakeholders and students • Development of demonstration plot with adaptive technology • Set up a technical training unit for the youth • Establish a climate change information and communication center 	Munshigonj Mouza in Munshigonj Union under Shyamnagar Upazila of Satkhira district	Lights and Bites, Bread for the world, OHorizons & LEDARS own fund
River Ambulance for Tiger Victims in Sundarbans	<ul style="list-style-type: none"> • Emergency rescue of tiger and crocodile victims in Sundarbans • Emergency medical support for tiger and crocodile victims 	Shyamnagar Upazila of Satkhira District and Koyra Upazila of Khulna District	MIVA/One Men and Bread for the World
Primary Health Care Project in Sundarbans Islands	<ul style="list-style-type: none"> • Households selection for distribution of health cards • Counseling for pregnant and lactating mother • Provide primary health care support, including necessary medicine to all of the card holder members 	Shyamnagar Upazila of Satkhira District and Koyra Upazila of Khulna District	Bread for the World
Bio-sand Filter in South Western Coastal Bangladesh	<ul style="list-style-type: none"> • Beneficiary selection, • Wood mold and filter construction, • Bio-sand filter user orientation, • Bio-sand filter installation in households, • Online (mWater app) survey, • Follow up visit • Water quality test, 	Shyamnagar Upazila of Satkhira District	OHorizons

<p>Youth Mobilization and Social Change</p>	<ul style="list-style-type: none"> • Organizing awareness meeting with different stakeholder by youth forum, • Campaign on different issues (cleaning, tree plantation, Drug, early marriage, road accident) • Day observation (Youth day, Right to information day, Environment Day, Disaster Preparedness Day) • Formation youth forum at ward and college level • Formation youth forum at union level • Formation of youth forum at upazila level • Formation of upazila advisory committee • Life skill session for youth forum at ward and college level • Coordination meeting of youth forum at Union level • Coordination meeting of youth Forum at upazila level • Coordination meeting of advisory Committee at upazila Level 	<p>ShyamnagarUpazila and KaliganjUpazila of Satkhira District</p>	<p>Manushar Jonno Foundation</p>
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Where LEDARS Working (Map)





Promoting Resilient Agriculture

Background

Shyamnagar Upazila of Satkhira District and Koyra Upazila of Khulna District are drastically climate affected areas due to its geographical location. The area situated in the South-west coastal area of Bangladesh adjacent to world largest mangrove forest Sundarbans. Most of the people in this area were completely dependent on agricultural cropping to maintain their livelihoods, but the effects of climate change interrupt the traditional cropping patterns and farmers are suffering most from the changing condition.

From the inception of inhabitation in the south-west coastal zone agriculture farming depends on natural rainfall and surface water. But tidal surge, frequent cyclone, erratic rainfall and seasonal drought are the common phenomena in this area which force the marginal farmers to stop cropping. Salinity is increasing in the soil due to flooding occurred by river bank erosion and tidal surge. Marginalized farmers are struggling to survive in this situation, but they have very limited capacity to adopt resilient agriculture. In this context and to promote resilient agriculture LEDARS has taken this initiative in the coastal saline region of Bangladesh.

Objectives

To increase stress tolerant paddy and vegetable cultivation to enhancing the climate resiliency of coastal people.

Major Activities

Provide training to the farmers

In this year LEDARS has organized training on saline tolerant vegetable cultivation among 370 beneficiaries. During this training, participants share their vegetables cropping experiences that they are practicing. At the same time they have learnt the new technologies of resilient agriculture, techniques of water management, stress tolerant varieties of paddy and vegetables and its cultivation process etc.



Paddy seed distribution

LEDARS has distributed total 4010 KGs of saline, flood and drought tolerant paddy seeds among 550 beneficiaries during this reporting year. 53.7 acres of land cultivated by using the saline tolerant varieties of paddy seeds. Besides this, 90 acres of land came to 2nd crop in dry season. The varieties of paddy seeds were BR 23, BRRI 52, 54, 67, 73, 78 and BINA 8 & 10.



Distribute vegetable seeds and organic fertilizer

LEDARS has distributed total 1175 KGs of saline tolerant vegetable seeds among 553 beneficiaries during this reporting year. The varieties of saline tolerant vegetable seeds were Karla, Pens, Ginger, Garlic, Onion, Mustard, P otato, etc. At the same time LEDARS has distributed 5,560 KGs of organic fertilizer and orient the beneficiaries on seeds and fertilizer utilization technique during distribution.



Support for innovation farming

6 farmers have received innovation farming support during this year and they have introduced a new way of integrated agricultural production. The farmers have applied some innovative technologies such as three steps vegetable farming, vegetable farm preserving rain water, salinity preventing vegetable farming, integrated farming with rice, vegetable and fish culture, water melon cultivation technology during the rainy season, establish salt tolerant fruits nursery, year rounds vegetables cultivation, etc.

Distribute saline tolerance fruit tree plant

LEDARS has distributed 9,560 saline tolerant fruit plants during this year among 824 beneficiaries. The distributed fruit plants are-Coconut, Cuddle, Guava, Lemon, Gooseberry, Jam, Bilimbi, Tamarind. Md. Kamaruzzaman, UNO, Shyamnagar was present as the chief guest during the distribution of fruit plant, whereas Mr. Abul Hosain Mia, UAO, Shyamnagar, and Mr. Mijan Mahmud, UAO, Koyra were present as special guests in the distribution ceremony.



Conduct farmers field school session

LEDARS has arranged farmer's field school sessions with the participation of farmers to educate them about climate change, vulnerabilities of agricultural sectors, coping and adaptation mechanism, water and pest management, resilient agriculture technique etc. The farmers sharing their practical experiences on agricultural production in the saline affected area, and farmers have learnt different threat in their livelihoods and the technique to adopt in the different threatened situation.



Capacity building of people's organization

In the field, LEDARS nursing different people's organization like Climate Resilient Group (CRG), Union Climate Resilient Forum, etc. Round the year Climate Resilient Groups (CRG) organized meetings in cooperation with project staff to



take a different decision for their groups. 873 meetings have organized at the community level in this reporting period. Moreover, LEDARS provided management and leadership training for the leaders of the Climate Resilient Group so that they can effectively manage their organization and 60 group leaders participated in the training.

Building awareness on climate change

During this reporting period LEDARS distributed 1500 crop calendar among beneficiaries and it has organized 873 awareness sessions where Climate Resilient Group members and community people attended. Moreover, LEDARS organized 3 farming innovation fair and 17 cultural events (pot song and drama) to raise awareness of community on climate change, adaptation, resilient etc. Considering the mass awareness on climate change and livelihood 10 billboards have established in the community.



Achievement

- The salt tolerant rice cultivation has increased by 27% as compared to baseline situation.
- The salt tolerant vegetable cultivation has increased by 40% as compared to baseline situation.

- 53.7 acres of Boro rice have cultivated in the onetime paddy cropping area by using merely saline water of deep tube well through the technical support, motivation and information sharing by LEDARS and the neighboring community people have been motivated and installed 3 deep tube-wells and excavated ponds to meet up with irrigation in the dry season.
- 60 beneficiaries are producing compost and vermin-compost for vegetable cultivation through LEDARS motivation and technical support and the use of compost in agricultural production has increased
- 6 locally made organic fertilizer selling centers have been developed in the working area.
- 35 innovative farming establishments have been developed in the working area with the initiatives of beneficiaries under the project and it has been playing a demon

strating role with diverse adaptive and sustainable technologies like an earth tower vegetable garden, hanging nursery, floating agriculture, saline tolerant rice

- Most of the beneficiaries and neighboring farmers have cultivated the saline tolerant varieties like BINA 8, 10, BR-23, BRRI-41, 47, 52, 55,67,73,78 and increased satisfactory production.
- 40 seed houses (production and storage) have been developed in the community and community people specially women farmers are getting seed in the village instead of market.
- Tiger widows who are living in Gabura and South Bedkashi union (most saline affected areas of coastal zone) have produced a lot of vegetables in their homestead with the technical support of LEDARS. They have been confident and determined to produce vegetables in their home round the year.



Sorodini is a winner in life struggle

Soradini Mondal is 42 years old and she is living in the village of Jalakhali of Munshiganj Union under Shyamnagar Upazila of Satkhira District. Twenty-six years ago, in 1993 she got married and now she is living with her husband along with her two sons. She had nothing but seven decimals of the homestead land. Her husband was a day labor but he couldn't get regular work. With interrupted income flow that was very much difficult to survive with 4 members family. To secure the regular family income, she borrowed BDT 5000 from a cooperative organization/well-wisher and bought a three wheeled van for her husband.



Her husband started to pull the van at the rest time of laborer activities. Sorodini was managing all sorts of family maintaining costs by using the income of her husband. Once her husband got sick and Sorodini was no capacity to manage the treatment cost of her husband. She received a huge amount of loan for the purpose of her husband's treatment. In other hand, it was not easy to earn for female in this area because of damaging the agriculture base livelihood options due to salinity intrusion in agricultural field. Soradini was facing the worst situation with her family members. In this situation LEDARS has identified Sorodini as per the beneficiary's selection criteria under "Strengthening Livelihood Security of Climate Change Vulnerable People (SLSCVP)" project supported by Bread for the World. Sorodani participated in AIGA activities of LEDARS under Climate Resilient Group

Sorodini participated in the training on resilient agriculture and integrated fish farming and she learnt different technologies to cultivate the agricultural crops and fish farming in the salinity affected area of Shyamnagar. At the starting, she cultivated only the fishes on the land of one bigha (33 decimal) which was leased land and later on she started integrating farming of fish, vegetables and rice with the technical cooperation of LEDARS staff and got good results. Her husband and sons started to cooperate her and she earned approximately Tk.30000 from fish, Tk.50000 from vegetables and Tk.5000 from rice. Moreover, during this reporting year she started crab fattening activities. She already has paid all sorts of previous debts from the earning of her integrated farming. Now her financial condition is good and her family is free from economic burden. She mortgaged one Bigha of land through reciprocating Tk.70, 000, bought a rice harvesting machine by Tk.26, 000 and made a house by Tk.80, 000. Besides this she bought solar power plant for electricity, TV and household furniture also.

The elder son of Sorodini Mondal, Debprosad Mondal is a final year student of Bachelors of Arts (BA). Now the dream of Sorodini is to educate her sons in higher education. She gives heartfelt thanks to LEADRS and conveys gratitude "Bread for the World" for her success and sustainable living standard.



Building capacity of Local Government on Climate Smart Development plan

Background

Shyamnagar Upazila of Satkhira District is highly vulnerable to climate change effect. Salinity intrusion, river bank erosions, increasing intensity and frequency of cyclone, seasonal drought, tidal surge, salinity affected drinking water, irregular rainfall is the common phenomenon in this area. The Union Council (Union Parishad-UP) is the lowest tier of local government structure of Bangladesh which are implementing Government program in grassroots level. They make annual development plan for their legislatives and implement that using Government money. But they do not have climate adaptive annual development plan what can ensure sustainability of their activities. NGOs are implementing different project in a area of UP.

After the completion of the NGO project they hand over their technologies to either community or local government. But due to lack of maintenance, those technology being inactive. It could be repair or keep active with very minimum amount of money. The UP can keep some money for sustain the technology if they have proper

plan. Besides this, Government has an instruction to use money for climate change adaptation and mitigation related project. But due to lack of knowledge, the UP only distributing solar home system. In this situation LEDARS started to work with local Union Council to development of Local Adaptation Plan of Action (LAPA) at their respective areas. LEDARS is working with 2 UPs through a four-party agreement like Concern UP, LEDARS, Upazila Parishad and Upazila Administration.

Overall Objectives

Development of resilient Union Parishad (UP) to combat climate change.

Specific objectives

1. To building capacity of local government representatives to assess the local vulnerabilities.
2. To development of climate and disaster resilient annual plan of local UP level.
3. To encourage UPs to take initiatives for reduce climate and disaster vulnerability of local people

Major Activities

Capacity building training for Local Government Representatives

LEDARS has provided training to the UP representatives on climate change, consequences of climate change, effect in coastal area, how to assess the hazard and risks in community level, etc. A 2-day long training organized for each UP representative.

Organize Ward level Meeting to identify local climatic problems

LEDARS support UPs to conducted meeting in ward level to discuss climate change, find out local climatic threat and identify the local action. A ward level action plan has been developed in each ward.

Development of Local Adaptation Plan of Action (LAPA)

LEDARS provided technical and financial support

to UPs to develop a yearly Local Adaptation Plan of Action (LAPA) of the union accumulating ward level plan. Union Parishad make yearly plan with specific budget allocation of each activities.

Open Declaration of LAPA

LEDARS provide support to Union Parishad to open declaration of the yearly plan organizing a public gathering in a convenient plan of concern UP. Chairman of Union Parishad declared the Union Action Plan in the meeting where people of all ward, civil society, Government official was present in the meeting and ask question if they have.

Follow-up of progress

LEDARS conduct a quarterly follow-up meeting in each UP to discuss the situation and program achievement. In each follow up meeting, chairman, members, government officials, representatives of working NGOs attend the meeting.





Promoting integrated water management for agriculture

Background

LEDARS has been working in the southwestern coastal region of Bangladesh. Cyclone and storm surge are one of the most severe and highest magnitude climate events affecting the community in the working area. River erosion, effects of high tide, unpredictable rainfall, drought affect negatively impacting in the agricultural sector. All the agricultural land and surface water are highly saline affected and another incident in this area is saline dependent shrimp cultivation that entering the saline water in the fresh agricultural land and it is increasing gradually. Moreover, the ground water is merely saline and people do not have proper knowledge and initiative to store rain water to use in dry season. In this situation LEDARS initiative integrated water resource management in the working area to introduce multi crop in single crop area.

Objectives

To increase cultivation of agriculture in the most saline zone through optimum usage of water resource management

Major Activities

Canal re-excavation

LEDARS re-excavated 2 canals during this reporting year in the project area of Shyamnagar Upazila. This canal will reserve the fresh water and it will be used for dry season for second crop. Most of the water of excavated canals using for Boro paddy and vegetable cultivation. Local farmers have gotten the scopes to cultivate the agricultural crops in 53 acres of saline affected land what was used only in monsoon season.



Mini pond excavation in paddy field

Saline water and drought are the major concern to produce the agricultural crops in this saline affected area. The beneficiaries of the project area were very much dependent on rain feed agricultural in monsoon season. But due to seasonal drought in late monsoon, people could not harvest their paddy. LEDARS has excavated 68 mini ponds in the paddy field that support farmers to rescue their paddy crop through use of mini pond water. 60 acres of barren land have included under agricultural production in this area.

Deep tube well installation

LEDARS installed 1 deep tube-well (total 5 in working area) in this year for irrigate ground water and use for agriculture cultivation in dry season. LEDARS provide training and saline tolerant seeds among farmers to cultivate second crop in Boro season using merely saline water. Farmers have produced bumper paddy production by using merely saline underground water of installed deep tube-well. The farmers under the deep tube-well are getting two times production in a year instead of one-time paddy production.



Achievements

- Community people in South Bedkashi Union installed two deep tube well and Munshigonj Union installed 3(three) deep tube well by themselves in the reporting period by observing the success of LEDARS intervention. They are inspired by observing the success of rice cultivation by using a deep tube well of the project beneficiaries.
- Alternative irrigation scopes are increased in the project area to cultivate the saline tolerant paddy by using ground merely saline water of deep tube-well and increased the rice cultivation in 210 bighas of lands in the project area. About 80 farmers are motivated to continue the cultivation of saline tolerant paddy

Promoting resilient agriculture through preserving seed diversity

Depti Rani Mondal has been living in the village of Phultala of Munshiganj Union under Shyamnagar Upazila of Satkhira District. She is a 40 years old woman and hard worker. Depti Rani had been passing her days with economic hardship with 5 members family. Depti Rani was cultivating the vegetables in her 37 decimal of homestead area in a traditional way and she was facing different problems to cultivate the vegetables because Dipti Rani had no knowledge on resilient agriculture



where soil fertility decreased, at random insects' attack, drought, irregular rain fall, salinity intrusion in agricultural land was the common phenomenon. Moreover, she was completely dependent on the seeds of multinational company. In one hand the effect of climate change is severely hampering the agricultural cultivation and other hand, multinational company technically had made dependent the farmers on their seeds in the markets. All this climatic and main maid situation was not supportive for Depti Rani to produce the vegetables successfully.

In this situation, Depti Rani enlisted as a beneficiary of Climate Resilience Group in the year of 2013 under Bread for the World supported SLSCVP project of LEDARS. She was included under CRG base activities as a vegetable cultivator and seed preserver in the Dershail Climate Resilient Group. She got a training on house hold base seed preservation and marketing. And she supported cash Tk.10,000, a rack and a seed pot to storage seed smoothly and she invested more Tk.3000 from her own pocket to start her vegetables cultivation in a new dimension in 2014. LEDARS agriculture technical staff and front-line staff always follow-up her agricultural activities. LEDARS support and motivation of Depti Rani has been enlightening her family's financial future and day by day she is increasing her cultivation & success.

Now Depti Rani Mondal is a climate friendly (adaptive) vegetable cultivator and a good quality seed preserver. She has earned Tk.45,000- 50,000 from her seed, vegetable plant and vegetable selling in each year. There are 5Kg Spinach, 2.5Kg Chili, 4.5Kg Basil, 400gm ladies' finger, 08Kg Dal, 500gm Been, 300gm Brinjal, 4.5Kg Red amaranth, 1Kg Mohori seed, 45 Kg Paddy and 3kg other seeds in her house. Now Depti Rani Mondal is so much familiar people in local communities as a good quality seed and vegetable plant seller. Now Depti Rani is so solvent financially. She is very much interested to continue her seed production, preservation and marketing. She gives heartfelt thanks to LEDARS for unconditional economic support and conveys gratitude to Bread for the World for overall success and economic sustainability.



Promoting sustainable livelihood

Background

Climate change impacted negatively the livelihood activities of the community peoples, especially the vulnerable households are facing the worst situation. A large number of tiger widows living in the Sundarbans region whose husband died by tiger attack during resource collection in Sundarbans. Besides this, maximum beneficiaries of LEDARS depend upon natural resources and agricultural production. But because of adverse climatic effect, the scope of agriculture has reduced significantly than the before. At the same time, scope in livestock has been reduced as well due to reduction of pasture land. All of these problems create unemployment in this area and the vulnerable peoples are migrating to other places for getting work opportunities. When the male family member is migrating, then the women are facing violence in their own community. This situation increasing frustration within the community and family. During this situation LEDARS has been implementing alternative livelihood activities for creating employment opportunities for tiger widows and women headed families in the working area and that helps to reduce hardship of life and migration rate as well as to reduce the frustration and violence against women in the household and community level.

Objectives

To enhance human rights and dignity through increase of household income of women headed families.

Major Activities

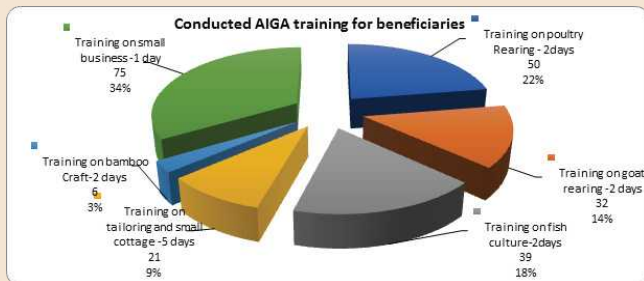
Organize and management of self-Help Group

LEDARS organized Self Help Groups with the participation of tiger widow and abandon women in the working area. Tiger widows are the socially excluded groups in the Sundarban adjacent area. more over the abandon women whose husband left then after cyclone AILA and living in miserable condition. In this situation LEDARS has been form Self-Help Group with tiger widows and other abandon women.



Provide training on IGAs

LEDARS has been provided skill training on alternative income generating activities of beneficiaries. Total 223 beneficiaries received the training on alternative income generating activities such as bamboo craft, tailoring, small cottage development, fish culture, goat rearing and poultry rearing. By utilizing these training knowledges, the beneficiaries started their individual enterprises.



Provide cash support of women

During this reporting period LEDARS has provided financial support BDT 5,60,00.00 among 112 beneficiaries for the establishment of sustainable enterprise. The beneficiaries identified financial



considering the household vulnerabilities. After getting the skill training cash support the female beneficiaries started the alternative income generating activities. In this year 27 tiger widows received BDT 135000.



Achievements

- 75 beneficiaries operating small business where 06 beneficiaries are continued with the small bamboo craft and 06 beneficiaries are running tailoring shops, 21 beneficiaries involved in goat rearing and 50 are rearing poultry.
- Monthly family income of targeted 270 families (extreme poor and tiger widows) has increased by 12% compared to baseline situation.

A Model Poultry rearer Hafija Begum



Hafija Begum, a successful poultry (Layer) farmer lives in Uttor (North) kadamtola village of Munshiganj Union under ShyamnagarUpazila of Satkhira District. Hafija Begum is 41 years old and hard worker woman. She has four family members along with her husband and two daughters. She had economic hardship from the early age of her life. Her husband Abdul Hamid Tropder was a day labor. In 2014 her elder daughter get serious sickness and due to this situation she

has taken a loan for about BDT 30000 from a cooperative for her daughter`s treatment that`s why their family falls into serious economic debt. Hafija Begum was very upset, frustrated at that time because her income was so imitated to maintain her family. At that time she past her daily life hardly, some time she had taken by others cooperative and borrowed essential family kits from neighbors. Some time she had taken meal two times in a day instant of three meals. She has thought that she would start a poultry farm in her home, but her capital was very low and that was not sufficient enough to maintain family expenses. In spite of her small income she started a small poultry rearing in her homestead.

In 2013, LEDARS a non governmental organization assessed in the Uttorkadamtola village to form a Climate Resilient Group (CRG) for their ongoing project under Strengthening Livelihood Security for Climate Change Vulnerable People, funded by `Bread For the World. Hafija Begum expressed her condition and situation and wished to be a member of CRG group. Hafija Begum`s family identified as vulnerable family, according to social map and vulnerability assessment of LEDARS she included as a poultry rearer in the Paijam Climate Resilient Group. At first she received a two days training on poultry rearing and cash support Tk. 8000 and she added more Tk- 5000 from her own pocket to start her poultry farm and situation later , this poultry farm contributes extra income in her daily life and started to change of her days and situation . Day by day she increases her rearing & success. In 2017 she made a new poultry shed with the capacity of 250 poultry in her homestead. Recently she bought a cow by 25000-Tk, due to success of Hafija Begum LEDARS support her Tk. 5000 as gift money to enlarge her farm; it increases the investment and the income of her as well. Now her net benefit is 65,000- 80,000 from the farm each year. She paid all of her previous debts by the income and benefit from her poultry farm. She has a dream to enlarge her poultry rearing, but she couldn`t do it because of land crisis. She wishes to educate her two daughters in higher education. She gives heartfelt thanks to LEDARS for unconditional economic support and for her economic independence, and conveys gratitude to Bread for the World for overall success.



Resolving drinking water scarcity in coastal areas

Background

The people of Shyamnagar and Koyra Upazila are facing deadly drinking water scarcity. Naturally ground water in this area is salinity affected as a coastal zone and the people are completely dependent on pond water for the purpose of drinking. But AILA in 2009 degraded the natural sweet pond water in this area. The Majority of the population are unable to afford mineral drinking water for the purpose of drinking. Usage of highly saline and contaminated water results different waterborne diseases, such as diarrhea, cholera, stomach bugs, skin diseases, etc. Women and children are the most one who are afflicted by these diseases.

Moreover, if there have some drinking water pond, but those are very rare and women and adolescent girls need to walk 2/3 km to face drinking water for the family. Women have to waste their valuable time and energy for collecting water and women and girls of this area have bitter experience on the way of water collection. LEDARS is very much concern about the acute drinking water problems and harassment of women and initiated different project and technology to resolve drinking water scarcity of poor families.

Objectives

To increase the access to safe drinking water of community people.

Major Activities

Water management committee formation

Drinking water is the major concern in the project area due to severe scarcity of drinking water. Without proper management of drinking water source, it is not possible to ensure the safe drinking water for the community and make sustainable the water treatment technologies. LEDARS has formed 21 water management committee with the participation of potential male and female of the community. The water management committee is managing the water sources and technologies established and activate.

Installation in New PSF

LEDARS has installed 02 PSF in the project area during this year. The PSF installation site identified in cooperation with the community and based on the need of community. Now, 3160 community peoples are getting the drinking water facilities from their closer drinking water source.



Activation of inactive PSF

In the working area, there have some Pond Sand Filter (PSF) what are inactive due to lack of proper management. LEDARS has reactivated 05 PSF in this year. The PSF activation initiatives ensured drinking water for 7500 families in the working area.

Orientation to community people

LEDARS has oriented about 147 members of the water management committee who has learnt, how they effectively manage the water sources and water treatment technologies. At the same time 620 beneficiaries under the newly installed and activated water source has received the orientation on usages of Bio Sand Filter (BSF) who received the BSF.

BSF installation

Bio Sands Filter is a household drinking water purifying devise and it is very much effective in the working area. LEDARS has installed 5200 BSF for supporting the beneficiaries to get the safe

drinking water and about 22360 people (including male, female and children) getting the safe water at the household level by using BSF in this reporting year.



Achievements

- Increased access for 35000 beneficiaries to pure drinking water
- Water borne diseases decreased by 40% in the community
- 147 Community people are involved in com-

Biosand Filter made Firoza Begum's life happy



Srifalkati village of Shyamnagar upazila is densely populated area near Sundarabans. Feroza Begum (30) is living in this village with 2 kids. Feroza Begum's husband Md. Rabiul Islam works as lay labor in this area and often pulling rickshaw in Dhaka. Feroza Begum has a daughter and a son in her family. During her husband staying in Dhaka, Firoza Begum have to do all the work of her family. The main problem of their family is often sickness of her son due to dirty drink water. The source of drinking water is located far away and that is pond water. It took a lot of time to bring water and she suffering most as she has a baby. The only son of Feroza Begum's suffers diarrhea and dysentery most of the time. She always feels dis heated as her son cannot play like other children. Firoza Begum need to purchase medicine regularly.

LEDARS implementing a water related program, provide biosand filter to those families who have source of sweet pond water with support from OHorizons (A USA base charity organization). Feroza Begum ask LEDARS to give a biosand filter for her family. She attends biosand filter orientation. LEDARS install the filter her kitchen. Firoza Begum carefully maintains the filter. Feroza Begum now gives water in the bio-sand filter from the pond next to her house. Now they drink filter water event use that water for cook food. After some days she found that her son is not getting sick and can play with other children. Now Feroza Begum is happy because she need not buy medicine regularly and need not to go far away to collect water. Firoza Begum could not imagine that, her son could return normal life within so short time.



Promoting health care in Sundarbans Island

Background

LEDARS is working in the remote Sundarban Islands of Shyamnagar and Koyra Upazila. The 2 upazila are remote area of the country. And the islands are completely divided from the main land and upazila head quarter where Government health services available. Due to poor communication and distances, poor people cannot go to upazila head quarter for received treatment facilities. Moreover, the community clinic is not so much active because the physician is not staying those remote islands. The native effect of climate change and frequent disaster make people vulnerable. The poor people are facing cholera, different water borne diseases, cardiovascular, respiratory diseases, malnutrition, etc. Women who carrying water jar from far distances and who are catching fish in river, are facing skin diseases and other gynecological diseases. Considering the above circumstances LEDARS started the primary health care program in the remote islands area of the Sundarbans.

Objectives

To increase access to health service in the island area of Sundarbans.

Major Activities

Skill training for Camp Management Volunteer

Under the initiatives, LEDARS operate 14 medical camp in island area. The camp has been managed by a camp management committee. 2 community volunteers supporting to organize the camp. LEDARS has provided the training to local volunteer on camp management.

Health card distribution

Health services are the burning needs in the working area. LEDARS has identified the health vulnerable households and provided the health card for them. 3500 disadvantaged families in 14 villages of 6 Unions of Shyamnagar and Koyra Upazila received LEDARS health cards. By the health card, all family members received the health care services.

Free medical camp in Sundarbans Island

LEDARS organized 168 medical camps in the reporting period in Sundarbans islands and 8,170 disadvantaged community people have got

medicine and prescription support from the camp. LEDARS organized 14 camps in each month and it was continued round the year. A permanently appointed Medical Assistant (MA) seats in the camp by rotation, provided counseling services prescription and necessary medicine to the card holders



Camp is organized in the below location for providing the medical service to the beneficiaries-

SL	Name of Health Camp	Union	Upazila	District	Time
01	Datinakhali	Burigoalini	Shyamnagar	Satkhira	1st Saturday
02	Chakbara	Gabura	Shyamnagar	Satkhira	1st Sunday
03	9 no Sora	Gabura	Shyamnagar	Satkhira	1st Monday
04	Gharilal Bazar	DakhinBedkashi	Koyra	Khulna	1st Tuesday
05	Angtihara	DakhinBedkashi	Koyra	Khulna	1st Wednesday
06	Khutikata	Padmapukur	Shyamnagar	Satkhira	2nd Sunday
07	Katmarchar	Uttar Bedkashi	Koyra	Khulna	2nd Saturday
08	Kashir Bazar	Uttar Bedkashi	Koyra	Khulna	2nd Monday
09	Horiharpur	Uttar Bedkashi	Koyra	Khulna	2nd Tuesday
10	Charamukha	DakhinBedkashi	Koyra	Khulna	2nd Wednesday
11	Bhamia	Burigoalini	Shyamnagar	Satkhira	3rd Saturday
12	Jhapa	Padmapukur	Shyamnagar	Satkhira	3rd Sunday
13	Kamalkati	Padmapukur	Shyamnagar	Satkhira	3rd Monday
14	LEDARS Ofice	Munshigonj	Shyamnagar	Satkhira	4th Thursday

Name of month	Male	Female	Child	Total
July 2018	217	402	54	673
August 2018	197	429	68	694
September 2018	188	399	45	632
October 2018	215	441	67	723
November 2018	208	460	72	740
December 2018	204	449	75	728
January 2019	184	409	78	671
February 2019	162	372	65	599
March 2019	184	394	60	638
April 2019	205	447	88	740
May 2019	182	394	64	640
June 2019	194	435	63	692
Grand Total	2,340	5,031	799	8,170

Special gynecological camp for women

Climate change impact not only thrown the family in livelihood vulnerabilities, but also women are victimized to health, especially the Gynecological health. In this situation LEDARS organized special medical camp for women. in this reporting period 4 special medical camps organized where 475 women received the gynecological treatment and medicine from the camp.



Operating River Ambulance

LEDARS is pioneer to operate river ambulance in Sundarbans island area to rescue people who get attack of tiger and crocodile. Besides this, the River Ambulance is using to implement the primary health care program in Sundarbans island area.



Achievements

- In the year of 2018-2019, total 168 camp organized where 8170 patients got free counseling and medical support where male patient was 2340, female was 5031 and children were 799.
- LEDARS physician provides counseling services to the 1800 pregnant and lactating mother and children as their regular health checkup and also provides health & hygiene messages.
- 4 special medical camp organized for women in the year where a genie specialized lady doctor meets with the Guiney patients. 475 females gotten the treatment and medicine support from doctor.



Background

Youth in a country is the most viable and potential human resource both in population structure and social structure. The provision of services for youths is crucial in order to support them in setting up their lives, both professional and personal. Development in Bangladesh depends upon proper utilization of youths because they constitute about one-third of total population and 37.7% of the total civilian labour force. But the youths of this country are suffering from various socioeconomic problems, environmental constraints and political instability such as unemployment, lack of technical education, financial crisis for self-employment, frequent disaster, religious backwardness, religious fundamentalism, political ignorance etc. Active participation of educated, trained, persevered, organized, disciplined, skilled, risk free, motivated and dedicated youth force in development process will ensure the development of the country. In this context LEDARS has been implementing the project “Youth Mobilization for Social Change “with the support of Manushar Jonno Foundation (MJF) for promoting the volunteerism in youth. 3016 youths of Shyamnagar and Kaliganj Upazila of Satkhira District participated in the project.

Goal of the project

To build the capacity of youths in social participation, leadership and income generating through the integrated activities to prepare them to become leaders for bringing positive changes in society.

Objectives

1. To enhanced decision making ability of youths to develop a progressive, human centered just society as well as social harmony,
2. To identify the causes and prevention measures of extremism and radicalization,
3. To increase youth engagement in income generating and economic empowerment activities.

Major Activities

Formation of youth forum

LEDARS has formed youth from ward to upazila level to mobilize the youth. A total of 68 youth and civil society forum formed where 3016 youth get evolve and actively participate in social

change activities. A total of 3016 youth will involve and actively participate to the project.



Promoting social volunteerism

The project engages youth forum members and leaders with volunteer activities. Under the project at least 1000 youth engaged with social development related volunteer activities e.g. tree plantation, organize campaign to prevent eve teasing, child marriage, road accident, cleaning of public places, etc.



Capacity building of youth

The project is building capacity of youth on leadership, conduction of social campaign, values of social harmony, role to youth in social development, religious harmony, different income generating activities, gender, climate change, environment conservation, resource management, etc.



Development of intercultural understanding

The project is working with community people to development of religious harmony though organize community meeting by youth, organize dialogue with different faith leaders, dialogue with government officials and policy actors, organize cultural event, etc.



Achievements

- 58 Ward Youth Forum formed from word and college level and functioning where 3016 youth male and female engaged.
- 06 Union Youth Forum formed in 6 Union and 2 upazila forum has formed in upazila level.
- 02 Upazila advisory committees formed in 2 Upazila of Shyamnagar and Kaliganj with the participation of 36 civil society members who are providing support to youth forum.
- Youth forum organized 54 meeting on dengue outbreak prevention and distributed 10000 leaflet distribution on it. 12 events have been organized for cleaning the community to stop dengue outbreak.
- 57 awareness session organized on Violence Against Women (VAW) by local youth.
- Youth people organized 58 community meeting on drug addiction and 58 sessions conducted to stop child marriage in the community where more than 1000 community people attended and got awareness.
- The youth forum activities and their success broad cased in TV news.
- The youth forum done a massive activity to rescue the old and under privilege people to cyclone shelter what appreciated by local government and give them appreciation letter.





Local Government appreciated activities of Moutala union Youth forum

LEDARS has been implementing a project entitled Youth Mobilization for Social Change (YMSC) project in the area of Shyamnagar and Kaliganj Upazila under Satkhira District since January, 2019. This project has launched with the support of Manushar Jonno Foundation and UK aid to achieve the goal “Build the capacity of youths in social participation, leadership and generating income through the integrated activities to prepare them to become leaders for bringing positive changes in society”. Moutala Union under Kaliganj Upazila of Satkhira District is one of the project areas where LEDARS organized 9 Ward Youth Forum consisting with 468 youths (male- 278, female-190) and a federation organized at Union level with the representation of 9 Ward youth forum member as a Union youth forum.

LEDARS is expecting to develop a youth leadership for transforming a socially just society where the religious and social harmony raised up to the market. LEDARS already provided foundation training, where they have learnt to analyze the social problems, traditional and expected leadership, human and fundamental rights, harmonious society way forward, role of youth to transform a positive society where all the people will live with dignity. Youths in the project area has been identifying the social problems and developing the quarterly action plan to address the issues that pushing the people in vulnerabilities.

Moutala youth supported the community people during the period of cyclone Foni attack. They disseminated early warning information of Cyclone Foni on the date of 03 May 2019 and they supported the community people for shifting into the cyclone shelter. 344 people, including old, person with disabilities, pregnant mother and children shifted in the cyclone shelter in cooperation with the Moutala youth group.

The Moutala youth group has started climate mitigation activities and they have been implementing the road side plantation through agreement with Moutala Union Council. The youth forum has formed a blood bank, they donate blood regularly and, in this year, donated blood to 56 injury people and pregnant mothers. The Moutala youth group organized a human chain to support the local farmers for demanding a justified price for paddy. They combated 5 early marriage and raising early marriage preventing awareness through organizing the community session. Youth group supported 5 children to enroll in education. The Moutala youth group organized cleaning campaign as a national program against dengue attack, at the same time distributed 10000 dengue preventing leaflet. Already different media broadcasted the activities of the Moutala youth group to inspire all the youth to transform a society where the vulnerable people living with dignity.

Income and Expenditure Statement of LEDARS 2018-2019

Local Environment Development and Agricultural Research Society(LEDARS)
Munshiganj, Kadamtala, Shyamnagar, Satkhira, Bangladesh

STATEMENT OF FINANCIAL POSITION AS AT 30TH JUNE, 2019

Property and Assets:	Notes	Amount	
		2018-2019	2017-2018
Assets			
Non-Current Assest			
Property, Plant & Equipment	7	16,079,087	12,396,131
		16,079,087	12,396,131
Current Assets			
Staff Welfare Fund Loan	8	3,000	74,500
Cash and Bank Balance	9	2,126,661	1,901,840
		2,129,661	1,976,340
Total Current & Non Currents Assets		18,208,748	14,372,471
Fund and Liabilities			
Fund Account	10	16,709,783	12,266,872
		16,709,783	12,266,872
Current Liabilities			
Staff Development Fund	11	1,475,532	1,382,166
Loan Account	12	23,433	723,433
		1,498,965	2,105,599
Total Fund & Liabilities		18,208,748	14,372,471

The annexed notes form an integral part of these financial statements.


Head of Accounts
Asit Mondal
 Accountant
 LEDARS
 Shyamnagar, Satkhira.

Dated, Dhaka

04 NOV 2019


Executive Director
Mohon Kumar Mondal
 Executive Director
 LEDARS
 Shyamnagar, Satkhira.

Signed as per our separate report of even date.


A B SAHA & CO.
 Chartered Accountants



Income and Expenditure Statement of LEDARS 2018-2019

Local Environment Development and Agricultural Research Society(LEDARS)
Munshiganj, Kadamtala, Shyamnagar, Satkhira, Bangladesh

Statement of Consolidated Income and Expenditure
For the year ended 30th June, 2019

Particulars	Note	Amount in Taka	
		2018-2019	2017-2018
Income:			
Grants Income	13	15,120,265	19,433,025
Miscellaneous	14	1,002,841	910,629
		16,123,106	20,343,654
Expenditure:			
Administrative Cost	15	540,561	1,900,258
Program Cost	16	14,579,704	16,754,658
Depreciation		1,115,866	792,573
		16,236,131	19,447,489
Surplus/Deficit during the year		(113,025)	896,165
		16,123,106	20,343,654

The annexed notes form an integral part of these financial statements.


 Head of Accounts
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 Shyamnagar, Satkhira.


 Executive Director
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 Executive Director
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Signed as per our separate report of even date.


A B SAHA & CO.
 Chartered Accountants



Income and Expenditure Statement of LEDARS 2018-2019

Local Environment Development and Agricultural Research Society(LEDARS)
Munshiganj, Kadamtala, Shyamnagar, Satkhira, Bangladesh

Statement of Consolidated Receipts and Payments
For the year ended 30th June, 2019

Particulars	Notes	Amount in Taka	
		2018-2019	2017-2018
Receipts:			
Opening Balance		1,901,840	2,054,672
Grants Received		19,766,246	19,433,025
Staff Welfare Loan Realized		-	198,750
Inter Project Loan	17	1,385,000	1,810,000
Loan Received	18	-	700,000
Staff Welfare Fund Collection	19	708,777	918,522
Miscellaneous		1,002,841	941,125
		24,764,704	26,056,094
Payments:			
Administrative Cost		540,561	1,900,258
Program Cost		14,579,704	16,754,658
Fixed- Capital Cost	20	4,817,366	3,289,538
Project Fund Transfar		42,640	-
		19,980,271	21,944,454
Inter Project Loan	21	1,385,000	1,810,000
Staff Welfare Loan Payment		36,000	70,000
Staff Welfare Fund	22	1,236,771	329,800
Closing Balance		2,126,661	1,901,840
		24,764,704	26,056,094

The annexed notes form an integral part of these financial statements.


Head of Accounts
Asit Mondal
Accountant
LEDARS
Shyamnagar, Satkhira.


Executive Director
Mohan Kumar Mondal
Executive Director
LEDARS
Shyamnagar, Satkhira.

Signed as per our separate report of even date.


A B SAHA & CO.
Chartered Accountants





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LEDARS

Local Environmental Development and Agricultural Research Society

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