

History of the Organization

Established on July 26, 2010 when an enlightened group of environmentalists, activists, academics, researchers and nature lovers came together from different disciplines and areas of society with the idea of advocating to protect the ever-degrading environment and ecosystem of Bangladesh for establishing a unique organization BEDS (Bangladesh Environment and Development) Society) to work with the grassroots-level. The organization promotes the long-term co-existence of people and natural ecosystems on our planet, creating harmony among all living beings. The strategy of BEDS is to establish networking and partnership among local, national and international government and non-government organizations, individuals, donors, research institutes, universities for solving the regional social and environmental problems by the local people without harming the ecosystem.

BEDS Introduction

The Bangladesh Environment and Development Society is a non-profit, non-government, development organization committed to maintain ecological balance and create harmony between humans and nature.

BEDS was established for solving complex environmental and social problems in Bangladesh such as the adverse impacts of global warming, unsustainable use of natural resources, drinking water crisis, Sundarbans mangrove ecosystem and biodiversity destruction, increasing uses of dirty energy, gender inequity and human rights violation etc. BEDS is contributing to achieve Sustainable Development Goals.

General Members: 39

Executive Committee Members: 07

Registration

In 2013 BEDS was registered from the NGO Affairs Bureau, Prime Minister's Office, Government of Bangladesh. In 2011 BEDS was registered from the Department of the Social Service under the Ministry of Social Welfare, Government of Bangladesh.

Awards:

BEDS has completed more than 50 projects and received the following prestigious awards: Energy Globe National Award in 2018; Annual Balipara Foundation Award in 2018; Divisional Environmental Award in 2019, 2018, 2017, 2016, 2015; Top20 District Development Award in 2018. In addition, one of the BEDS implemented projects "Eco Village in Bangladesh" has been selected to be showcased at Expo 2020 Dubai's Global Best Practice Program.

Vision:

To promote ecological balance and create harmony between human and nature

Mission:

To build the capacity of the most vulnerable communities in the region to ensure sustainable use of natural resources, provide eco-friendly means of living, reduce the adverse effects of climate change and improve their socio-economic condition while maintaining the ecological balance.

Objectives:

- 1. Advocate to preserve existing natural treasures;
- 2. Conduct research to maintain the ecological balance;
- 3. Reduce the adversities arising from climate change;
- 4. Provide sources for clean energy;
- 5. Implement disaster risk-reduction strategies among the most vulnerable communities:
- 6. Establish human rights through good governance;
- 7. Create livelihoods opportunities for the most vulnerable populations;
- 8. Improve integrated water resource management and eco-habitat;
- 9. Ensure proper water, sanitation and hygiene within communities; and
- 10. Enhance women's empowerment by emphasizing equitable development.

Sectors of Interest





















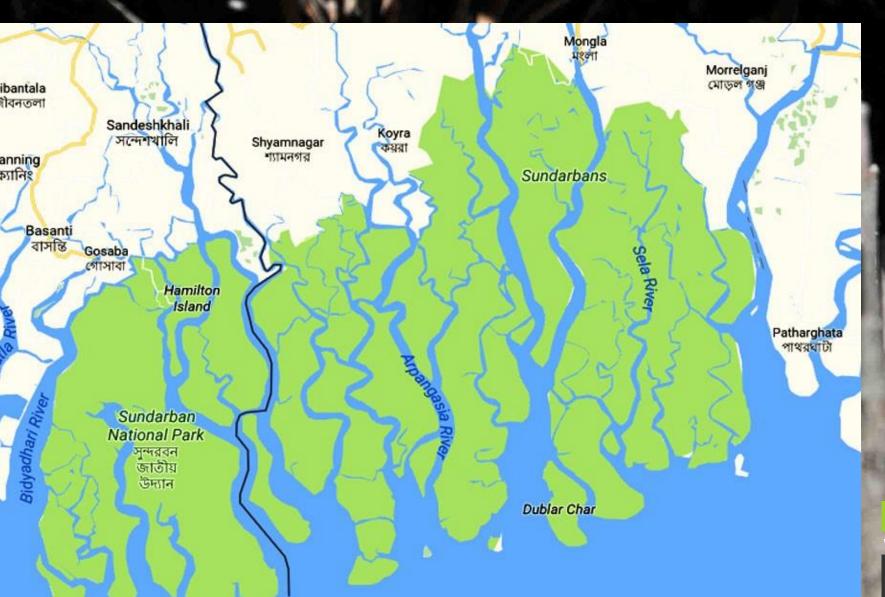






The Sundarbans Mangrove Ecosystem

Total area of the Sundarbans in Bangladesh and India is 10,000 square kilometers in which Bangladesh has 6017 square kilometers and rest goes to Indian part. The Sundarbans covers about 4% of the total area of Bangladesh which is roughly 40% of the total forest of our country.



www.bedsbd.org

দৈনন্দিন জীবনে সুন্দরবনের অবদান

Sundarbans Mangrove Ecosystem Services in Daily Life

জীবন-জীবিকায় অবদান

Life and Livelihood Support

প্রাকৃতিক দুর্যোগের রক্ষাকবজ Natural safeguard

পরিবেশ ও প্রতিবেশগত অবদান

Ecological and Environmental Service

ঐতিহ্য ও সংস্কৃতি

Culture and Heritage

















মাছ, চিংডি, কাঁকড়া





































জ্বীবাস্ম জ্বালানীর উৎস

ও চিত্তবিনোদন

পূজা-পার্বন



This poster is printed by the Keidanren Nature Conservation Fund (KNCF) under Sustainable Mangrove Biodiversity Conservation through Livelihood Improvement of Sundarbans Fishermen Project

Biodiversity of the Sundarbans



There are 35 species of true mangroves among 334 species of the Sundarbans plants (Source: Department of Forest)



There are about 400 species of wild animals in the Sundarbans (Source: Department of Forest)

There are 315 species of Birds in the Sundarbans (Source: Department of Forest)



There are more than 291 species of fishes in the Sundarbans (Source: Department of Forest)



The Sundarbans is unique ecosystems for its endemic biodiversity. It is the home of various species including many rare; endangered and critically endangered flora and fauna such as the iconic Critically Endangered Bengal Tiger, estuarine crocodile, Turtle, Dolphin, wild birds etc.



MAJOR COMPLEX SOCIAL AND ENVIRONMENTAL PROBLEMS of the Sundarbans Coastal region of BANGLADESH



A Journey towards

Mangrove Ecosystem Conservation in Bangladesh

Conserve Mangrove
Ecosystem by the
local people
through solving
their complex
social and environmental problems
without harming the
ecosystem.

Capacity of the Building of the

Our Initiatives

- Environmental and Biodiversity Education

- Community Based Nature Observation Program

- Mangrove Restoration and Protection
- Plantation

Formal Education Service
 Business education

- Community Based Non Timer Forest Product Business/Social Business
 - Drinking Water Service
 - Clean Energy/Electricity Service
 - Disaster Preparedness Program
- Alternative Income Generating (AIG) activities
- Organize National and International Seminar and workshops

10 Years
Journey with
Mangrove

by BEDS



Environment and Biodiversity Education Program

For conducting these education program we have developed a number of education materials such as Books, Posters, Booklets and games on Basic Environment, Mangrove Ecosystem, Urban Biodiversity, Waste Management etc.



We have been conducting basic environmental education, Sundarbans biodiversity/wildlife conservation education, renewable energy education, water and sanitation education, waste management education, disaster preparedness education, natural resource management education, tree plantation education, business education, formal education as well as conducting nature observation program among the Students-Teachers, villagers and forest dwellers regularly.

Developed Sundarbans
In Developed Biodiversity
Biodiversity
Bangrove Biodiversity
Biodiversity
Biodiversity
Biodiversity
Biodiversity
Around
Biodiversity
Around
Biodiversity
Biodiversity
Around
Biodiversity
Biodiversity
Federal Biodiversity
Biodiversit

Environment and Biodiversity Education Program

Species Conservation

There are many endangered and critically endangered species live in the Sundarbans mangrove ecosystem. So, BEDS has conducted different outreach and conservation education activities for existence of the species from the extinction such as Turtle both freshwater (*Batagur baska*) and marine (Olive Ridley), Vulture, Dolphin and Masked finfoot (bird) etc. BEDS provided education in the school and community level on the importance of the ecosystem. BEDS also assisted IUCN Bangladesh to implement Project Batagur and Vulture conservation project.



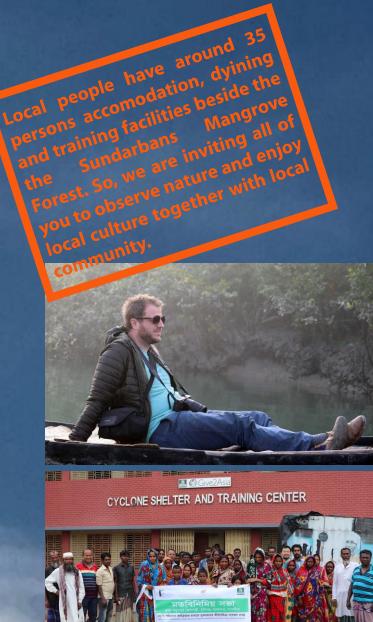


We have been trying to develop a platform to conduct Nature Observation Program among the city people (students/teachers and general people) by the local community



Almost 10000 national and foreign students and practitioners participated in our Nature Observation Program in order to learn mangrove ecosystem and local culture with local people.

Community Based Nature Observation Program

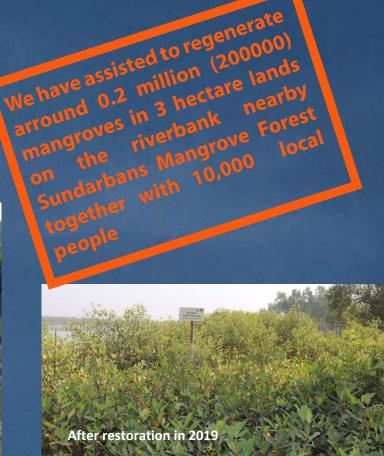


Once there were plenty of mangroves in the periphery of Sundarbans. Those mangroves created a buffer zone which was beneficial for coastal protection from natural disasters as well as for habitat of the wild animals, birds and aquatic resources.



But this buffer zone has been destroyed by randomly from the coastal region of Bangladesh since 1980s due to Cutting of mangroves for agricultural land extension; Shrimp cultivation; hampering mangrove regeneration process through shrimp fry collection; Household making, furniture; collecting fuel wood/seed; free grazing of livestock; decreasing freshwater flow. Realizing this situation BEDS considers mangrove restoration and protection as one of it's prime programs.

Mangrove Restoration and Protection



During restoration in 2016



In coastal areas of Bangladesh number of social trees has been reducing gradually due to climate change and peoples' necessity. Considering the circumstance BEDS has been motivating and assisting local people to plant social (fruit, timber and medicinal) tree besides restoring mangroves for environmental protection



Social Tree Plantation for Environmental Protection

We have motivated and educated students, villagers and teachers for students, villagers and teachers and students, villagers are sult, mand tree plantation. As a result, mand tree plantation fruit, timber and than 150,000 fruit, been plantads than 150,000 fruit, been plantads and trees have been the roads are school ground, beside the coastal at school ground, beside the coastal



Formal Education Service to the Fishermen Children

89 students of fishermen
89 students of fishermen
families have been getring
families formal education
regular and 2014. We are
service since 2014, individual
connecting
connecting
sponsor for children.

Resource harvesters of the Sundarbans are not well aware about their children's education. So, when their child turns in 8 to 10 years, they bring their children with them for natural resource harvesting like fish, crab, honey and Golpata/thatch. Moreover, the resource harvesters are unable to bear their children's educational expense. So, they do not show interest for their children's education. For this reason, BEDS has been supporting resource harvesters/forest dwellers' children education service and education toolkits to continue their education for a long run.







Business Education/Capacity Building of the local People

In the Sundarbans coastal region it is often seen that people without having a job or business are engaged with Sundarbans natural resource harvesting. Due to lack of employment opportunity, day by day people are engaging more and more with Sundarbans natural resource. So, BEDS has been providing busin so education to forest dwellers, women and dropout students for proper natural resource management, improve their socio economic condition and to reduct ever growing pressure from the Sundarbans.





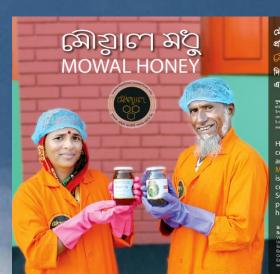


Community Based Non Timber Forest Product Business/Social Business

People of Sundarbans coastal region especially the resource dwellers had low knowledge on Non Timber Forest Product business. So, BEDS has been providing skill on processing, packaging and marketing of Sundarbans resources and resources based products to conduct community based Non Timber Forest Product business/social business to improve their socio economic condition. The engaged families are conducting their business and earning more than what they used to earn in the past.







মৌয়ালদের আহরিত প্রক্রিয়াজাত ও মোড়কজাত মৌহ্যাণে মণ্ট্র

দিচ্ছে সুন্দরবনের ১০০% খাঁটি এবং প্রাকৃতিক মধুর নিশ্চয়তা

সুন্দারক মৌহাল প্রমন্ত্রীর সমবার সমিতি লি আম মহারাপুর, গোস্টা হরিনার, ইউনিয়ন: ফুলিংছ উপজেলা নামেনার, রেলা: মারকীরা, বাংলাদেশ মোবাইলা: ৩৭৭৭ ১ ৩৭৬১ উন্দান mowalhonsy@gmail.com

Honey collectors collected processed and packaged

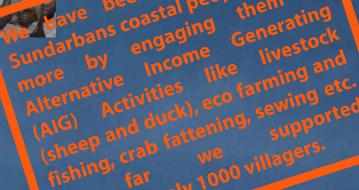
is giving you the confirmation of Sundarbans 100% pure and natural

Sundarbans Mowal Workers Cooperativ Society Ltd. Village: Matternapur, Post-Harrinagar. Union: Munashigon, Sub-dishrict. Shyamnagar. District: Saskhira Banjadesh: Call No. 01 1977 (2019)



Alternative Income Generating Activities

Poverty is the most alarming problem for the residents of the Sundarbans coastal region of Bangladesh due to lack of working opportunity/options. So, majority of the coastal people depend on Sundarbans natural resources and thus create continuous pressure on the natural resources of this mangrove ecosystem. So, BEDS introduces different environment friendly income generating activities among them.









Alternative Income Generating Activities









Drinking water scarcity is an alarming problem in the coastal region of Bangladesh. Pond (surface water) and rainwater is the main source of drinking water for the coastal people of Bangladesh.

Challenges regarding drinking water

- 1. Number of freshwater ponds is not enough for the community to meet up their drinking water demand.
- 2. Women have to walk for 3-4 kilometres for collecting drinking water and spend most of their time to collect drinking water.
- 3. In the dry season water level of the ponds goes down and sometimes gets dried.
- 4. Coastal communities frequently suffer from waterborne diseases because of drinking pond water without purification.
- 5. Poor coastal communities have not enough facilities to reserve the rain water
- 6. Communities are not well aware about their health and sanitation and frequently they suffer from waterborne diseases.
- 7. Communities are not financially capable enough to install water purification system by themselves.

Realizing this situation BEDS has taken an initiative to solve the drinking water crisis through re-excavated pond for preserving rainwater and installed Solar Ponds Sand Filter (SPSF) with Reverse Osmosis and Water ATM Systems for better access of safe drinking water of the villagers.

Drinking Water Service to the Villagers





Most of the Sundarbans coastal area is non electrified and people are living in dark at night due to lack of electricity and increasing kerosene price. So, BEDS has taken comprehensive initiatives to solve these major problems. Under the initiatives, BEDS installed three solar stations and distributed solar lamps, solar home systems, solar generates and solar batteries etc.

Cooking fuel is another problem. They mainly depend on mangrove forest for their cooking fuel. For solving this problem we have introduced Fuel-efficient cooking stoves among the villagers

Clean Energy and Fuelefficient Cooking Stove **Service**









Disaster Preparedness Program

People of the Sundarbans coastal region are not well aware about disaster preparedness due to poverty and lack of knowledge. BEDS established a Cyclone Shelter and Training Center in the Sundarbans coastal region of Bangladesh. Beside this, BEDS assisted the local community to protect their embankment by using local technology, established emergency disaster fund, formed and trained Village Disaster Management Communities, educated villagers on Community Managed Disaster Risk Reduction, introduced climate adaptive household design and distributed safety materials to face natural disasters.

We have been assisting the sundarbans of climate vulnerable sundarbans communities communities coastal coastal to become a taking coastal community by since Ready Community initiatives since comprehensive initiatives 2016.







Organize and participate
National and International
Seminar, conference and
workshops

The Sundarbans is one of the major natural ecosystems of the world. Problems and initiatives regarding mangrove ecosystem should be introduce among the national and international communities. So, national and international conference, seminar and workshop are good mediums to represent the issues.













































BEDS publications on the Sundarbans Mangrove Ecosystem

List of BEDS Publications Books

Booklet for class three (Our Sundarbans in pictures) Booklet for class four (Our Sundarbans in rhymes) Booklet for class five (Our Sundarbans in stories) Sundarbans Model Game

Book on local culture and Heritage of Sundarbans Beauty of the Sundarbans Mangrove Forest Environmental Education Manual for Villagers Practical Guidebook on Mangrove ecosystem

Poster

What is Environment, What is Climate Change, What is Natural Resources, What is Forest, What is Biodiversity, Biodiversity of Sundarbans, Sundarbans Mangrove Ecosystem Services in Our Daily Life, Our Eco Village, Sustainable Development Goals,

Games

Sundarbans Playing Cards Sundarbans Board Game (Ludo Game) Sundarbans Education/Learning game cards (education game)

A SATOUMI Conservation Board Game on interesting Animal Cetaceans (Dolphins, Whales and Porpoises) and Turtle

A SATOUMI Dolphin and Turtle Conservation Game

Join with us to Conserve Mangrove Ecosystem



Bangladesh Environment and Development Society (BEDS)

House No. 6/3, Road No 01 Prantika R/A, Nirala, Khulna- 9100, Bangladesh Tel: + 88 041 721123 Mob: + 88-01712 868 004 email: <info@bedsbd.org> <bedsbd@gmail.com> <chief@bedsbd.org> Skype name: beds20111 www.bedsbd.org