



DISASTER RESILIENCE PROGRAMME

A social venture by Footsteps Bangladesh



Problem Analysis

According to Global Climate Index, Bangladesh is considered to be among the most vulnerable to disasters influenced by Climate Change

10 million

People Impacted by one or more natural disasters annually

6 million

People already displaced due to disasters and hazards presented by Climate Change

2nd

most vulnerable to cyclone disasters

80%

of the population at risk from flood disasters



Building Resilience across Climate Vulnerable Communities

The Disaster Resilience Programme (DRP) is a holistic program designed to build adaptation and mitigation capacity of marginalized communities vulnerable to natural and social disasters.



DRP's Key Goals

1

Data and Digital
Empowerment

Mobilize Data for
Effective Disaster
Warning and Efficiency
of Primary Emergency
Response

2

Capacity
Empowerment

Introduce resilient and
cost effective products,
infrastructure, and
resources to mitigate
impact of disasters

3

Financial
Empowerment

Boost income and
savings of vulnerable
households to be
mobilized during and
after disasters



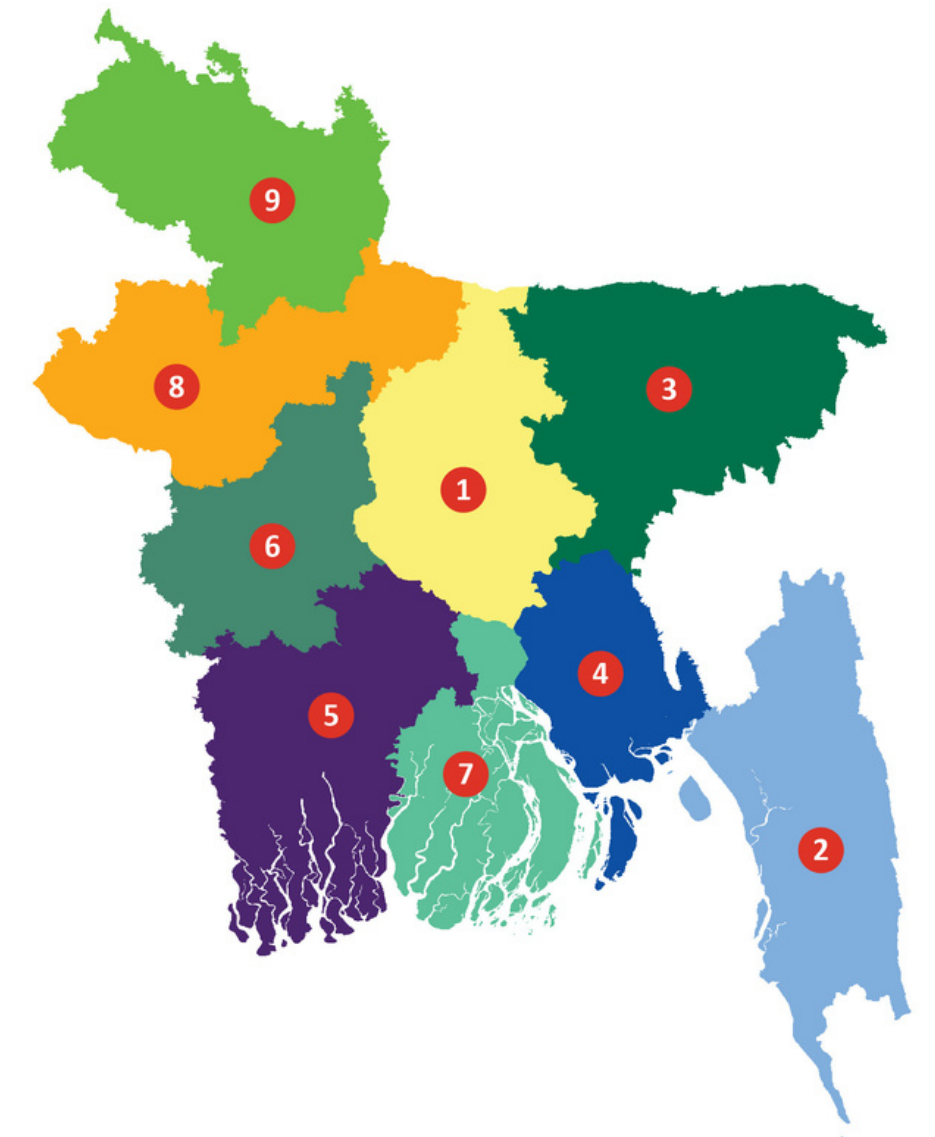
Cluster Intervention



At Footsteps, we have divided our areas of intervention into 9 clusters across Bangladesh to make our interventions more efficient and localized.

Footsteps General Intervention Cluster Map

Cluster	Districts
1	Dhaka, Mymensingh, Tangail, Manikganj, Munshiganj, Narshingdi, Gazipur
2	Chittagong, Rangamati, Khagrachari, Cox's Bazar, Bandarban
3	Sylhet, Shunamgonj, Moulvibazar, Habiganj, Brahmanbaria, Netrokona, Kishoreganj
4	Comilla, Laxmipur, Feni, Noakhali, Chandpur
5	Madaripur, Satkhira, Jessore, Khulna, Narail, Bagerhat, Gopalganj, Faridpur
6	Sirajganj, Kushtia, Pabna, Meherpur, Rajbari, Chuadanga, Jhenaidah, Magura
7	Sherpur, Jamalpur, Bogra, Naogan, Nawabganj, Rajshahi, Natore
8	Barishal, Pirojpur, Jhalokathi, Borguna, Bhola, Patuakhali, Shariatpur
9	Panchagor, Thakurgaon, Nilphamari, Rangpur, Joypurhat, Kurigram, Dinajpur, Lalmonirhat, Gaibandha





Action Plan

The holistic approach of DRP ensures vulnerable communities are ready to take disasters head on with improved resilience

Data and Digital Empowerment

- Design a 48-72 hour warning system using Artificial Intelligence studying past disaster data
- Create database on need based beneficiaries in order to ensure emergency aid reaches those with the most urgency
- Awareness among vulnerable communities on disaster preparedness
- Utilizing multimedia for action call in order to mobilize resources towards disaster hit zones

Capacity Empowerment

- Dreamwater Portable Water Filter
- Climate Resilient Housing and Sanitation
- Resilient Farmers Program (Resistant Crops, Organic Fertilizers, etc)
- Stone based coastal barricade to influence and reduce impact of tidal surges

Financial Empowerment

- Improve Income and Savings with Livelihood Resilience through Financial Stability Model (LRFS)
- Skill-based training for job and entrepreneurial development

Current Programmes

Dreamwater PF

- Dreamwater Portable Water Filter has been designed and implemented by DRP which can convert flood water into drinking water
- Rural women in climate vulnerable communities are trained to use Dreamwater PF
- Disaster Respondents during flood seasons; Water Entrepreneurs during off-flood seasons
- First Deployment in Ulipur Kurigram where 9 women have received Dreamwater PF training





Current Programmes

Domestic GreenTank (DGTank)

- The domestic GreenTank is provided to households owning 2 or more cattle- manure is used to produce high-quality biogas for cooking and organic fertilizer to be sold.
- Flood resistant, easy to install (takes approximately 3 hours)
- Reduces household carbon footprint and promotes income generation
- The business model includes a combination of subsidy from donor agencies, the contribution from purchasing household and profit sharing for selling of organic fertilizers
- Introduce to high profit market to boost income



Current Programmes

Climate Resilient Housing and Sanitation

- Design affordable housing and sanitation resistant to wind and easily portable during floods for households in climate vulnerable communities
- Either rebuild destroyed homes or completely new ones

Resilient Farmers Programme

- Provide support in seeds, fertilizers and introduce drought, salt and flood-tolerant breeds for cultivation to community farmers
- Consult on resources, skills and connection to markets to boost income and motivate increased savings



Current Programmes

Livestock Business for Resilience

- Low-income households in climate-vulnerable communities are provided livestock to take care of for a certain period of time
- Connect with high-profit markets to generate high profit; profit sharing model mobilized

Skill Development for Resilience

- Provide training and machinery on rent basis to empower women to create products
- Introduce products in high paying markets to garner high profits and boost income

IMPACT
TILL DATE
17,377

9 WOMEN

empowered to be
disaster respondents
using Dreamwater PF

**40
FARMERS**

currently benefitting from
DRP's resilient farmers
program

62 HOMES

rebuilt after cyclone
disasters

**4225
FAMILIES**

supported with critical
emergency aid after
cyclone and flood
disasters



Testimonial

"The people of Anantapur (Kurigram) faced a drinking water crisis during the recent flood. The Dreamwater portable filter worked wonderfully throughout our difficult time. For almost 7-8 days I provided safe drinking water to 10-12 houses regularly using the Dreamwater portable filter"

-Shrimati Bulbuli Rani
Ulipur, Kurigram



VISION

2022

1

Research and Development

R&D for LRFS Model, Climate Resilient Housing and Sanitation, Resilient Farmers Program Deployment

2

Deployment

- Deploy 240 Dreamwater PF on ground
- Deploy 131 Domestic BioTank on ground
- Create 50 entrepreneurs for Livestock Business for Resilience
- Involve 100 women for skill development for resilience

Estimated Impact: 10,769

TEAM



**Shah Rafayat
Chowdhury**
Co-Founder and President



**Barrister Mohammad
Taqi Yasir**
Vice President



**Shakhawat Hossain
Faisal**
DRP Project Coordinator



**Ebrahim Daud
Abir**
Programme Coordinator

PARTNERS AND RECOGNITION

Some of our Partners:



Some of our Recognitions:

