

A Project Proposal for the Flood Affected Rural Population of Noakhali

Course Name: Health Service Management (PBH: 701.1)

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Submitted by Group B

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Noakhali: From Survival to Resilience

- Imagine waking up to the sound of water rushing under your door. . . not from a burst pipe, but from the sea itself creeping into your home.
- In Noakhali, this is not a nightmare — it's an annual reality.
- Every year, families here watch their fields turn to salt, their ponds to mud, and their drinking water into poison.



The Urgency – Noakhali's Climate Reality

- 5.8M people affected in Aug 2024 floods; 1.24M families displaced.
- 296,852 ha of cropland lost; 100 fishponds destroyed.
- 45% rural households food insecure; 60% shallow wells saline-contaminated.
- Rising mental health crises: depression, anxiety, PTSD.
- <30% cyclone-prone villages have evacuation plans; shelter capacity inadequate.



12-Month Integrated Recovery & Resilience Plan

- Empower 50 women-led micro-enterprises.
- Improve WASH: 20 deep tube wells.
- Install 50 reinforced latrines.
- Provide psycho social care to 450 individuals.

From Vulnerability to Strength

- Thousands of households regain livelihoods & food security.
- 90% households have safe water & sanitation.
- Communities trained & ready before disasters strike.
- Mental health care reaches neglected populations.
- Climate-resilient infrastructure protects lives & assets.

"Noakhali has survived enough. Now, it's time for it to thrive."

Organizational Introduction

The Human Aid Foundation, founded in 2005, is a proven leader in climate risk management and resilience-building across Bangladesh. With strong partnerships and rapid-response capacity, we deliver integrated, sustainable solutions that restore livelihoods, strengthen infrastructure, and protect the most climate-vulnerable communities.

"As part of the Human Aid Foundation, we are committed to a holistic approach—restoring livelihoods, safeguarding health, and strengthening infrastructure—so that climate-vulnerable Noakhali not only recovers, but thrives. Together, we will help its people build lasting resilience against future climate shocks."

Noakhali: Vulnerable to climate-induced flooding, frequent in recent years.

- **Historical Context:**

- 1998 Flood: Affected 10 million people in Bangladesh, severe damage to Noakhali.
- August 2024 Floods: 5.8 million people affected, 8 deaths in Noakhali, 59 deaths nationwide.
- 1.24 million families displaced, 470,000 in 3,500 shelters.

Shelter & Psychosocial Impact

- **Shelter Issues:** Overcrowded shelters failing to meet basic needs.
- **Psychosocial Impact:** Women and children more vulnerable to depression, anxiety, PTSD.
- After Cyclone Amphan (2020), health centers overwhelmed; 40% of women-headed households showed PTSD/anxiety symptoms.

- **WASH Issues:** 60% of shallow tube wells contaminated; over 45% households without clean water.
- **Economic Impact:**
 - Saline intrusion and flooding destroyed farmland/fishing ponds.
 - Women-headed households face recovery challenges and exclusion from resources.
 - 50–60% income reduction, increasing food insecurity.

Objectives (SMART Approach)

1. Empowerment of Women through Economic Opportunities

- **Specific:** Establish 50 women micro-enterprise groups with training & microfinance.
- **Measurable:** 90% achieve 50% household income increase.
- **Achievable:** Training in handicrafts, access to loans.
- **Relevant:** Economic recovery for women.
- **Time-bound:** Groups by Month 6, income by Month 12.

2. Improved Access to WASH

- **Specific:** Install 20 deep tube wells, build 50 reinforced latrines.
- **Measurable:** 100% households with safe water & sanitation.
- **Achievable:** Collaboration with contractors & community.
- **Relevant:** Prevent diseases, improve health.
- **Time-bound:** By Month 10; usage by Month 12.

3. Psychosocial Support for Mental Well-being

- **Specific:** Deploy mobile mental health teams for 450 individuals.
- **Measurable:** 25% improvement in GHQ-12 scores.
- **Achievable:** Counseling, referrals, peer groups.
- **Relevant:** Mental health as disaster recovery priority.
- **Time-bound:** 5 sessions per person within 12 months.

Target Population and Program Components

Target Population:

- 500 households – Subarnachar (200); Companiganj (200); Begumganj (100)
- 500 women – Economic Empowerment Program
- 450 individuals – Mental Health Program

Program Components:

- **Economic Empowerment:** 12 staff – 1 Specialist, 4 Trainers (handicrafts), 1 Business Dev. Officer, 5 Field Facilitators, 1 Market Specialist.
- **WASH Infrastructure:** 17 staff – 1 Project Manager, 10 Skilled Laborers, 2 Mobilizers, 2 Technicians, 2 Health Promotion Officers, 1 Monitoring Officer.
- **Mental Health:** 2 mobile teams (14 staff) – 1 Psychologist, 2 Psychiatric Social Workers, 4 Community Health Workers each.

Method - Workflow & Roles

Economic Empowerment

- Specialist — strategy & curriculum
- 10 trainings + 2 product displays
- Link 500 trainees to 50 groups
- Local facilitators & market linkages

WASH Infrastructure

- PM — schedule & quality
- Install 20 tubewells & 50 latrines
- Hygiene education & community mobilization
- Water testing & progress monitoring

Mental Health

- Clinical Psychologist — severe cases
- 24 group sessions/year; ≥ 5 per person
- CHWs — support & follow-up
- Target: 450 individuals

Evaluation Plan — Process Evaluation

Lead & Approach

- Lead: Dr. Rafi Khan — 6 years evaluation experience
- Designs plan, trains field facilitators, analyzes data
- Combines process & outcome evaluation
- Quarterly reports for adaptive management

Data Collection

- Structured interviews with 500 households
- 3 interviews/participant: start, month 6, month 12
- Topics:
 - Program timeline conformity
 - Service quantity & quality
 - Problems & solutions
 - Skill self-assessment, challenges, motivation, suggestions

Evaluation Plan — Outcome Evaluation

Outcome 1 — Income Outcome 2 — WASH Outcome 3 — Mental

- Target: $\geq 50\%$ HH income \uparrow in $\geq 90\%$ of groups

- Indicators:

- Operational groups at Month 12
- Income growth vs. baseline
- Business sustainability

- Target: 100% HHs with safe water & sanitation

- Indicators:

- Functioning tube-wells/latrines
- Daily safe water access
- Reduced waterborne illness
- Proper hygiene practice

Health

- Target: $\geq 25\%$ GHQ-12 score \uparrow in 450 people

- Indicators:

- Improved GHQ-12 scores
- ≥ 5 counseling sessions completed
- Active peer groups

Program Budget (Overall)

Table 1: Overall Budget (USD) for the Program

Name of Items	Total
Economic Empowerment Personnel	34,500
WASH Program Personnel	46,500
Mental Health Program Personnel	28,680
Materials and Logistics	70,037
Total Requested Sum (USD)	179,717

Program Budget Details

Table 2: Women's Economic Empowerment Personnel Budget (12 Months)

Role	No.	Monthly Wage	Yearly Total
Economic Empowerment Specialist	1	500	6,000
Vocational Skill Trainers	4	200	9,600
Business Officer	1	375	4,500
Field Facilitator	5	150	9,000
Market Specialist	1	450	5,400
Total (USD)			34,500

Program Budget Details

Table 3: WASH Program Personnel Budget (12 Months)

Role	No.	Monthly Wage	Yearly Total
Manager	1	600	7,200
Skilled Laborers	10	150	18,000
Community Mobilizers	2	300	7,200
Water Testing Technicians	2	200	4,800
Health Promotion Officers	2	250	6,000
Monitoring Officer	1	275	3,300
Total (USD)			46,500

Program Budget Details

Table 4: Mental Health Support Team Personnel Budget (12 Months)

Role	No.	Monthly Wage	Yearly Total
Clinical Psychologist	2	475	11,400
Psychiatric Social Worker	4	160	7,680
Community Health Worker	8	100	9,600
Total (USD)			28,680

Program Budget Details

Table 5: Materials, Infrastructure, and Logistics Budget

Line Item	Units	Total Cost
Deep Tubewells	20	26,250
Reinforced Latrines	50	19,000
Drilling rig	–	4,500
Pump & piping	20	7,250
Water testing equipment	5	400
Transportation & logistics	–	2,720
Construction tools, PPE	–	1,800
Monitoring & supervision	–	1,750
Contingency (10%)	–	6,367
Total (USD)		70,037

Logical Framework

Hierarchy of Objectives	Indicators (Objectively Verifiable)	Means of Verification	Assumptions
Goals			
To restore and enhance the livelihoods and well-being of flood-affected rural communities in Noakhali.	Improvement in livelihoods and quality of life in the post-flood period.	Final project evaluation report; data from government and local authorities.	Political stability and cooperation from local government; recurrence of natural disasters will not occur.

Logical Framework

Hierarchy of Objectives	Indicators (Objectively Verifiable)	Means of Verification	Assumptions
Outcomes			
Outcome 1: Empowerment of Women through Economic Opportunities.	At least 90% (45) of the micro-enterprise groups will achieve a 50% increase in household income by the project's end.	Income increase survey reports; economic records of micro-enterprise groups.	There will be market demand for products and market access will be easy.
Outcome 2: Improved Access to Water, Sanitation, and Hygiene (WASH).	100% (500) of households will have access to safe drinking water and improved sanitation by the end of the project.	Household surveys; records of WASH facility usage; water quality test reports.	Community members will assist in the maintenance of WASH facilities.
Outcome 3: Psycho-social Support for Mental Well-being.	A 25% improvement in mental health outcomes (GHQ-12 scores) will be achieved among 450 participants by the project's end.	Comparison of GHQ-12 scores pre-project and post-project; counseling session records.	There will be no social stigma associated with seeking mental health services.

Logical Framework

Hierarchy of Objectives	Indicators (Objectively Verifiable)	Means of Verification	Assumptions
Outputs			
Economic Empowerment:	50 women's micro-enterprise groups will be established; 500 women will be enrolled .	Group formation documents; list of participants in the training program.	Women will be interested in participating in the program and will receive family support.
WASH Program:	20 deep tube wells and 50 reinforced latrines will be installed.	Construction reports and photos; list and geographical location of the installations.	Construction materials will be readily available and local authorities will grant necessary permissions.
Mental Health Program:	Two mobile mental health teams will provide counseling and psychosocial support to 450 individuals.	Number of counseling sessions and participant records.	Trained personnel will be available and able to work effectively.

Logical Framework

Hierarchy of Objectives	Indicators (Objectively Verifiable)	Means of Verification	Assumptions
Activities			
Economic Empowerment Activities:	12 qualified personnel will be hired; 10 hands-on training sessions and 2 product display sessions will be held.	Personnel hiring documents; attendance lists and reports of training sessions.	Sufficient funds will be provided in a timely manner.
WASH Program Activities:	17 qualified personnel will be hired; community participation programs will be organized.	Personnel hiring documents; reports of community meetings and activities.	The post-flood situation will be favorable for construction work.
Mental Health Program Activities:	14 personnel will be hired for two mobile mental health teams; at least 5 counseling sessions will be provided per individual.	Personnel hiring documents; counseling session schedules and records.	Affected individuals will come forward to receive services.

Thank You!

Questions or Comments?

We appreciate your attention.