

# National Flood Response Initiative by Network for Human and Social Development

## Introduction of NHSD

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Network for Human and Social Development is a non-government non-profit charity registered with Islamabad Charity Commission, Pakistan Center of Philanthropy, and Economic Affairs Division. It is a collaboration partner of Air University, GlobalGiving, Myriad USA, and Akhuwat Foundation as well as being an implementation partner for **more than 60** international and national level organizations. Since 2012 NHSD has worked in the fields Disaster Management, Disaster Risk Response, Fire and Safety, Safety and Security, Public Health Education, Education, Health, Water and Sanitation, Youth Empowerment, Women Empowerment, Maternal Neonatal and Child Health, Advocacy, and Reconstruction and Relief Work.

NHSD has been appreciated for their endeavors at a national level.

## Background

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The National Floods of 2025 have indicated a significant need for empowering local communities as well as emphasizing the focus towards sustainable climate change protection practices. Whilst the government of Pakistan has been a signatory of various climate change endeavors and has also been a victim of the climate change policies that have been implemented in countries which have exploited developing countries, this exploitation is causing devastating impact in countries like Pakistan which do not have the resources, the manpower, or the capacity to establish safety mechanisms. Whilst bureaucratic failure and a systemic failure of governance has also played a long-term role towards the inevitable occurrence of this flood situation. The impact of the 2022 floods are still deeply felt in the country, and furthermore, that these floods only emphasize the need for grass-root community-led initiatives which must be supported to ensure long-term feasible planning to contain such occurrences in the future.

## Request

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### *Primary Response*

Network for Human and Social Development request you, benevolent donors, for your generous support in this cause. Through your support the victims of these floods will receive the following key items:

- Food Packs which contain
  - o Rice
  - o Lentils
  - o Sugar
  - o Tea

- o Cooking Oil
- Torch
- Tent
- Blankets
- Storage Containers
- Basic Medication and Sanitizers

our endeavor is focused towards supporting the most vulnerable in the population and providing them these food packs directly - NHSD uses a door-to-door approach in terms of essentials pack distribution.

### **Secondary Response**

The secondary response is focused towards collaborating with our national partners in developing flood early warning systems as well as developing agricultural system analysis that will utilize AI as well as local resources towards ensuring that the communities have a protection mechanism in place and are saved from the devastating impact of floods. Based on literature reviews of the previous floods and the government response it is clear that the need of the hour is community-based grass-root empowerment and sustainable technology implementation projects.

This project is focused towards ensuring that the people of Pakistan are safe and so they can respond better as compared to the present situation.

### **Buner Flood Response by Network for Human and Social Development**

For further information about NHSD and our response, we are sharing the Youtube video for your reference:

<https://www.youtube.com/shorts/cHc3nNR2AxA>

### **Indicator Sheet**

Provided is an indicator sheet which highlights the key points for monitoring and evaluation framework analysis.

*Table 1: Indicator Sheet*

<b>Objectives</b>	<b>Indicators</b>	<b>Output</b>	<b>Outcome</b>	<b>Measurement Tool</b>	<b>Responsible Party</b>
Objective 1: To establish early warning system and mechanism	# sensors across flood water area, # early warning satellite Imaging, #	% area coverage, # flood affectees reduced, % arable area for sustainable	Sustainable farming resolving food security issues for 3000 people of Chitral, Kohistan and	Open Source Satellite Imaging, Sensors, Centralized Flood Control Unit Report,	Local Communities' Key Stakeholder and Community Leader, NHSD, Air

<p>m to identify Flood Situation</p>	<p>first responders</p>	<p>agricultural practices</p>	<p>Buner. Satellite Imaging allowing for real-time response to flood events.</p>	<p>Flood First Respondent List, Key Stakeholder Agreements</p>	<p>University</p>
<p>Objective 2: flood response training for 3000 first respondents with a focus on AI and IT based early response approach</p>	<p># First Respondents, # Sensor trainings, # Area coverage by Sensors</p>	<p>% Area coverage by flood first respondents, % area coverage for protection against floods</p>	<p>Sustainable Farming resolving food security. Encroachment Protected Area to protect against flood water impact. effective primary response mechanism for immediate alerting and information</p>	<p>Open Source Satellite Imaging, Sensors, Workshop Reports, Flood First Respondent List, Key Stakeholder Agreement, Flood Protected Area Map</p>	<p>Local Communities' Key Stakeholders and Community Leader, NHSD, Air University</p>
<p>Objective 3: Open Source Imaging for long term climate change and sustainable agricultural analysis</p>	<p># maps generated for the area, # flood paths identified using past data analysis, # LLM established using previous and real-time present data</p>	<p>% flood projection, # flood affected area identified in real time, # reports generated</p>	<p>Effective Policy Implementation for resource allocation. Sustainable Farming Practices. Effective Area Coverage for long-term planning of tree plantation</p>	<p>Open Source Satellite Imaging, Sensors, Map Development</p>	<p>NHSD and Air University</p>

This project does require the support of organizations which have already established satellite frameworks already setup and providing real-time data with reference to the locations.

## Gantt Chart

Table 2: Gantt Chart of Project Implementation

Timeline Activities	Months											
	1	2	3	4	5	6	7	8	9	10	11	12
Phase 1												
Activity 1: Identification of locations for effective early warning system location in Chitral, Kohistan and Buner	X											
Activity 2: Establish agreements with key stakeholders and major community leaders to ensure implementation efficacy	X											
Activity 3: Location analysis and Pre-KAP Survey	X											
Activity 4: Selection of Flood Early Responders, Sensor Training Specialists, Satellites Utilization Agreement	X											
Phase 2												
Activity 5: Training of Early Respondents	X	X	X									
Activity 6: Training of Satellite Sensor Integration	X	X	X									
Activity 7: Training of Satellite Open Source Location Pinning	X	X	X									
Activity 8: Location Pinning for Satellite Imaging				X	X	X						
Activity 8: Location Pinning for Early Warning System using Sensors				X	X	X						

Activity 9: Location Pinning for Early Warning System Control Center for Sensor Monitoring				X	X	X						
Activity 10: Location Pinning for Early Warning System Primary Respondents Observation Decks				X	X	X						
Phase 3												
Activity 11: Establishment of Early Warning System Control Center and Observation Decks				X	X	X						
Activity 12: Opening Ceremony of Early Warning System Control Center							X					
Activity 13: Training and Troubleshooting of Early Warning System Control Center								X	X	X		
Activity 14: Monthly Progress Reporting	X	X	X	X	X	X	X	X	X	X	X	X
Activity 15: Biweekly Monitoring and Evaluation Report	X	X	X	X	X	X	X	X	X	X	X	X
Phase 4												
Activity 16: Post-KAP Survey												X
Activity 17: Final Report												X
Activity 18: Handing and Taking Over Signing with Community Leaders and Key Stakeholders												X
Activity 19: Third Party Audit												X

The last six months will be focused on the sustainability portion where the overall project is being analysed to ensure that all relevant project implementation aspects are covered and are being managed by the communities.

## Budget

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The budget for this project is USD15000, with NHSD taking responsibility for contributing 10% of the total cost.

The amount can either be remitted through the following methods:

- Direct Remittance via IBAN to the following account details:
  - o Account IBAN: PK62SONE0004520000278597
  - o SWIFT Code: SONEPKKAKAR
  - o Account Number: 20000278597
  - o Bank Name: Soneri Bank
  - o Bank Code: 0045
- Donation to the following platform as under:
  - o Myriad USA: <https://www.every.org/network-for-human-and-social-development/f/national-flood-response>

Your benevolent response in supporting the local population is deeply appreciated and will be a significant benefit for the people of Pakistan.

Thank you.