SOUTH ASIA HYDROMET FORUM

RIMES

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REGIONAL WORKSHOP ON IMPACT-BASED FORECASTING:

Training-of-Trainers and National Demonstration Planning for Temperature-Related Hazards

SAHF IBF Working Group Implementation Plan Project

09-13 February 2026

Kathmandu, Nepal

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National Demonstration Plan-Bangladesh

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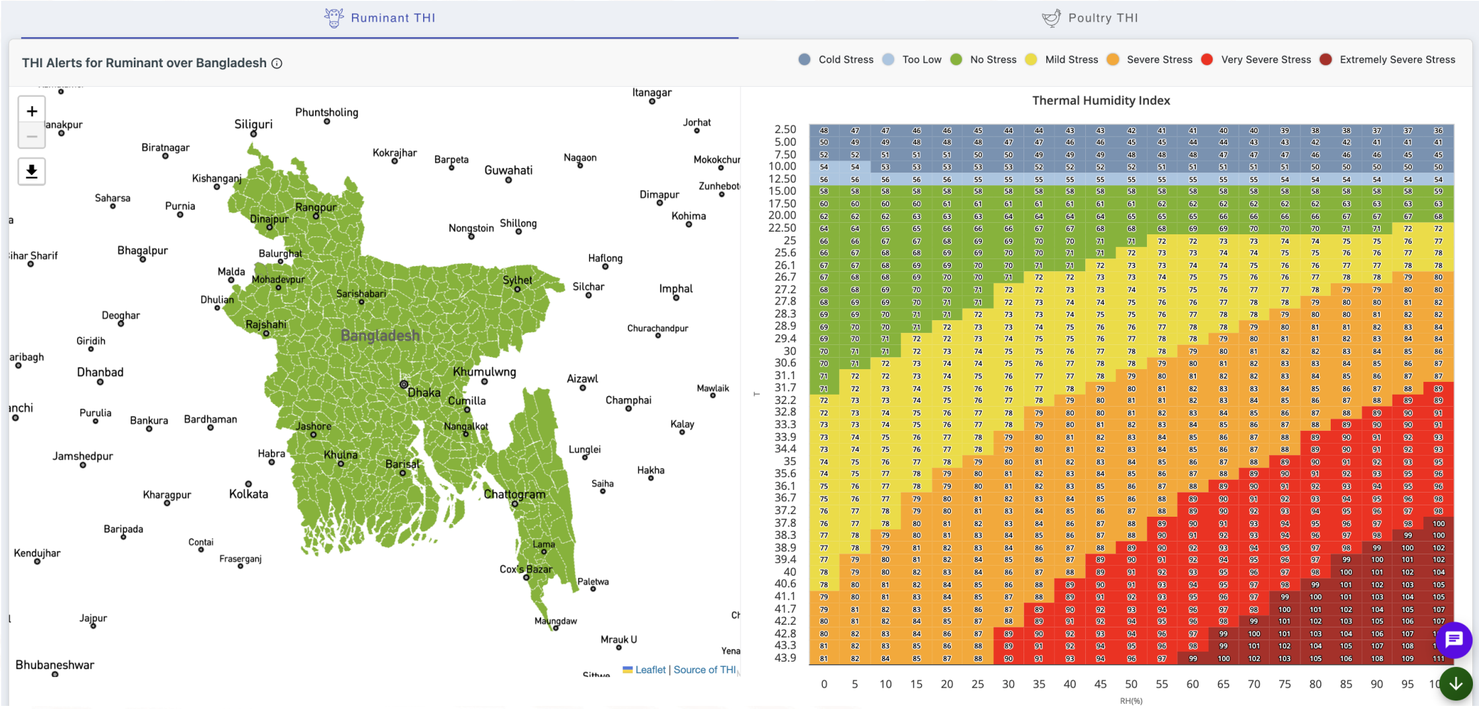
National Demonstration Plan Overview

A1. Proponent Information	• BMD (Lead) • Sector Co-Lead: Livestock • Other implementing partners (local government, NGO, CSO, community level orgs)
A2. Focal Contacts	
A3. Demonstration Project Title	
A4. Geographic Scope	
A5. Seasonal Focus	o **Heat /Hot Day condition**
A6. Duration of Demonstration	(03/2026 – 02/2027)

Temperature Risk Context and Intended Outcomes

- There is lack of operational SOP for heatwave/cold wave forecasting for operational forecasters.
- Gap in coordinating heat related warning with different stakeholders
- The current THI(Temperature-Humidity Index) for livestock lacks the localization



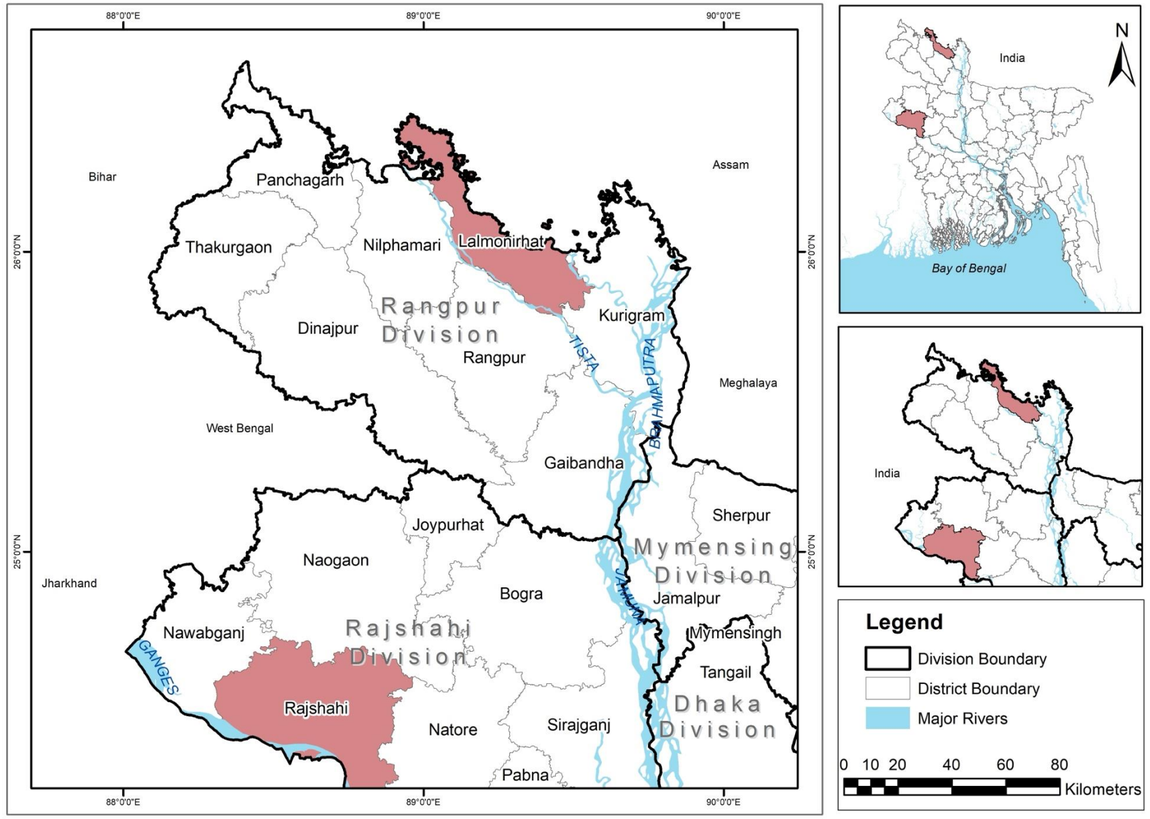
Stakeholders, Roles, and Coordination Approach

- As the lead agency, BMD will coordinate with the sector (livestock sector) in determining the localized THI indices through statistical data analysis
- Coordination will be ensured through bi-weekly meetings before, during, and after the target season
- Monthly briefing session with all relevant stakeholders
- The coordination will be initiated at national level and later cascade into selected district level for piloting

Pilot Area/s and Target Groups

- Pilot locations
  - Lalmonirhat District
  - Rajshahi District
- Priority sectors and target groups
  - Livestock sector
    - Farmer
    - Local extension officials
    - Local service providers
- Key temperature-related impacts of concern in the pilot area/s
  - These pilot locations are one of the most heatwave prone area with a significant livestock population
  - Population are faces economic challenges

Administrative Map of Rajshahi and Lalmonirhat



Data, Indices, Triggers and Thresholds

- **Key data inputs currently available**
  - Historical meteorological observation
  - Local level livestock data(numbers)
  - Livestock farmer
  - IEC material on health sector
- **Indices or indicators currently used or being considered**
  - THI
- **Initial thinking on triggers or thresholds**
  - The current scales and indices are not locally tested thus need refinement for local level adjustments
- **Main data, methodological, or operational limitations and uncertainties**
  - BMD WRF 9KM/3KM, ECMWF
  - Limitation: Need more than one season for testing

From Forecast to Action: Products, Communication & SOPs

- Key IBF products to be issued
  - Specialized heat early warning and advisory bulletin
  - Monthly meeting with all other stakeholders during heatwave season to share sub-seasonal outlook/anticipated extreme event
  - Supporting dissemination through educational institute (e.g. Met Club)
  - Leveraging BMD's Social Media Platform

- Expected outcome
  - Testing the localized threshold
  - Better coordination with sectors
- *SOP for operational forecasters*
  - *A draft SOP will be developed on Heatwave early warning for the forecasters*
  - *Aligning with key requirements from sector*

Assistance, Guidance, and Support Required

- SOP framework development for BMD’s Heat Stress Early Warning
- Areas where expert input would be helpful
  - Thresholds and triggers verification
  - communication approaches
  - coordination mechanisms and user engagement
  - Training and workshop at national and district level
- A national level training program for forecasters and sectoral representative
- Support in co-organizing the national climate application forum

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THANK YOU!