



## OBJECTIVE

To assess the impact of Tropical Storm Komen on water and sanitation in Teknaf Upazila

## TARGET AREAS

The assessment targeted 5 Unions and one municipality in Teknaf Upazila, for a total of 15 villages. The targeting was defined based on information from Teknaf Upazila Project Information Officer (PIO), SI-established Water Management Committees (WMCs) and Union Chairmen.

Union	Villages
1. <b>Whykong</b>	<ul style="list-style-type: none"><li>• Shatghoria Para</li></ul>
2. <b>Nhilla</b>	<ul style="list-style-type: none"><li>• East Domdomia</li><li>• Naya Para</li><li>• Shat Ghoria Para</li></ul>
3. <b>Teknaf Sadar</b>	<ul style="list-style-type: none"><li>• Karuntali</li><li>• East Goderbill</li></ul>
4. <b>Teknaf Municipality</b>	<ul style="list-style-type: none"><li>• Jalia Para</li></ul>
5. <b>Baharchara</b>	<ul style="list-style-type: none"><li>• Bag Guna</li><li>• Jahaj Pura</li><li>• Nua Khali Para</li><li>• Bara Dail</li><li>• Hazom Para</li></ul>
6. <b>Sabrang</b>	<ul style="list-style-type: none"><li>• Haria Khali</li><li>• Shaporir Dip</li><li>• Noya Para</li></ul>

## TEAM COMPOSITION

Two teams were assigned to visit flood-affected areas, supported by the Logistician and the Programme Supervisor for Monitoring and Evaluation.

Team 1	Team 2
• Team leader	• Team leader
• Watsan Foreman	• Watsan Foreman
• Hygiene promoter	• Hygiene promoter x2

## SOURCE OF INFORMATION

- Meeting with Teknaf Project Implementation Officer (PIO)
- Meetings with Union Chairmen
- D-Form for each union except St Martins Island (information was unavailable)
- FGDs in selected villages
- Water point assessments (selected based on information provided by the WMCs)



## FINDINGS

### Water points

Locations of the water point assessment		
Union	Village	Type
Nhilla	East Domdomia	Ring Well
	West Noya Para	Pipe Line System
Whykong	West Shat Ghoria Para	Deep Tube Well
Baharchara	Baradail	Shallow Shrouded Tube Well
	Bag Guna	Shallow Shrouded Tube Well
	Hazom Para	Spring catchment
	Jahajpura	Shallow Tube Well
	Noakhalia Para	2 Shallow Shrouded Tube Wells
Teknaf Sadar	Kerun Tali	2 Ring Wells
	Goder Bil, Non Hari Para	Shallow Tube Well
Sabrang	North Noya Para	Shallow Tube Well
	Jaliapara	Shallow Tube Well
	Sahaporir Dwip	Shallow Tube Well x2
5 Unions	13 Villages	16 Water points

Water Points	Number visited	Status	Immediate Action	Future Considerations
Shallow Tube Well	3	Wells are still delivering water and none have been damaged. Two of them are facing some salinity problem.	Disinfection at wells which were inundated by flood water	
Deep Tube Well	1	Not damaged.	No action needed	The boring diameter for the first 100 feet can be increased to increase the water flow but this will not be carried out at this time.
Shallow Shrouded Tube Well	4	All the SSTW are in good condition and not affected by the cyclone.	No action needed	Suggested raising the platform to make it more easily accessible for women and children.
Ring Well	3	Not damaged.	Two ring wells need chlorination	
Spring Catchment	1	Not damaged and working well	No action needed	
Pipe Line System	1	Damaged. Pipes have been damaged by a landslide near the source. Water distribution points not affected.	No immediate action required.	Strengthening at source site to prevent further damage from localized landslides

Note about Sabrang:

Sabrang Union does not fall within the SI working area in Teknaf. Despite this, an assessment team made also visited the area and found the following:

- Households damaged (D-form states more than 2000 completely destroyed, 800 partially<sup>1</sup>)
- Roads and embankments damaged and flooded (22km and 5km respectively<sup>2</sup>)
- Sahaporir Dwip and Jaliapara significantly affected by waterlogging in terms of water and sanitation (further assessment needed)
- Livelihoods affected<sup>3</sup>, including livestock, fishing, gardens and betel production (further assessment needed)

Conclusions: Tropical Storm Komen did not have a major impact on the water infrastructures in Teknaf in Nhilla, Whykong, Baharchara or Teknaf. Disinfection by chlorine will be carried out at any site found to have been inundated by flood water.

At the damaged pipeline site at Nayapara in Nhilla, the WMC reacted immediately to ensure the rapid rehabilitation, assisted by water users from the community. This shows the positive impact of SI capacity building activities during the construction of each infrastructure.

Sabrang experienced a higher degree of damage and should be considered a priority for further investigation.

### **Sanitation**

The sanitation impact assessment focused on vulnerable groups. A total of 13 focus group discussions (FGDs) have been conducted in Baharchora, Nhilla, Teknaf Municipality, Sabrang and Teknaf Sador.

The FGDs revealed a general increase in open defecation in all targeted villages. This is mainly due to latrines pits flooded. Latrines have been particularly damaged in East Domdomia (Nhilla), Haria Khali (Sabrang) and Karuntali (Teknaf Sador).

The incidence of water borne and skin diseases did not increase significantly as a consequence of the flooding although so soon after the event this type of impact may not yet have developed. However, FGDs in Sabrang Union reported daily cases of diarrhoea and skin diseases.

Conclusions: No major structural damages affected the latrines' shelters in the target locations. The flooded pit will have to be dislodged. As alternative, new pits can be constructed and the shelter moved to new locations. Hygiene education, with particular focus on measures to be taken during the flood season, will continue to be required. Further assessments in Sabrang Union (currently not targeted by SI programme) will be conducted in the coming weeks.

### **Recommendations:**

The following are recommended following this assessment:

- WASH assessment of Sabrang Union, in coordination with DPHE, other NGOs and local authorities. The area is generally under-represented due to difficulties in obtaining permission to work there. A visit to the

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<sup>1</sup> D-Form, Annex A

<sup>2</sup> ibid

<sup>3</sup> ibid

apparently broken embankment to assess whether there is a role for an INGO to assist the DPHE in repairing it.

- FSL assessment in Sabrang Union (FS cluster to coordinate this)
- Disinfection of all flood inundated SI-constructed wells, plus others if they are identified.
- Hygiene teams visit households reported to have damaged latrines to give technical advice on repair
- Coordination with the WASH cluster and partners to report our findings.

#### **Additional Information from Solidarites International Myanmar**

Solidarities International in Myanmar conducted a rapid assessment in Sittwe Township, Rakhine State, on the 1<sup>st</sup> of August. Based on the information collected in Baw Du Pha, Dar Paing and Thae Chang camps, damages to houses and WASH infrastructure did not triggered the displacement of Rohingya communities, hence no increase in refugees influx is expected from those areas as a consequence of the storm.