

**Ministry of Population and Environment (MoPE)**  
**Department of Hydrology and Meteorology (DHM)**  
**Community Based Flood and Glacial Lake Outburst Risk Reduction Project (CFGORRP)**  
**Field Visit Report**

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**Team Member/s:**

1. Ms. Husna Banu Sheikh, GSIS, CFGORRP
2. Mr. Sunil Pokhrel, Engineer, DHM
3. Mr. Niraj Pradhananga, Engineer, DHM
4. Mr. Bikash Nepal, Engineer, DHM
5. Mr. Vijaya Maharjan, RTS

**Place:** Solukhumbu.

**Overall objective of the field visit/ mission:**

1. The main objective is to Test automated sirens for awareness and preparedness (mock drills) at 6 locations in which automated sirens are installed.
2. Handover of the project to DHM

**3. Key activities carried out based on the travel itinerary May-June,2017:**

SN	Date	Day	Place	Contact person & no.	Name of Task Force
1	25.05.2017 (2074.02.11)	Thursday	KTM- Lukla / Ghat	Nurbu Thinle, 9813408946	Dudhkoshi Bipad Karyadal Byabasthapan Samiti
2	26.05.2017 (2074.02.12)	Friday	Testing and Mock drill at Ghat, Move to Phakding		
3	27.05.2017 (2074.02.13)	Saturday	Testing and Mock drill at Phakding and Move to Jorsalle	Nawang Thome Sherpa, 9813887262	Phakding Saamudayik Bipad Byabasthapan Samiti
4	28.05.2017 (2074.02.14)	Sunday	Testing and Mock drill at Jorsalle and night stay at Jorsalle	Ang Dorje Sherpa, 9803692736	Chhomolongma Monju Jorsalle Bipad Byabasthapan Karyadal
5	29.05.2017 (2074.02.15)	Monday	Move to Fungithanka and night stay		
6	30.05.2017 (2074.02.16)	Tuesday	Testing and Mock drill at Fungithanka and Move to Pangboche and night stay	Mingmar Lama 9808491061	Kelale Phungi Thanka Bipad Byabasthapan Karyadal

7	31.06.2017 (2074.02.17)	Wednesday	Testing and Mock drill at Pangboche and move to Dingboche	Pasang Nuru Sherpa 9803637546	Imja Tal Bipad Byabasthapan Karyadal
8	01.06.2017 (2074.02.18)	Thursday	Testing and Mock drill at Dingboche night stay at Dingboche	Mingmar Sherpa 9851047603 038 – 540390 (Munga)	Dingboche Bipad Byabasthapan Karyadal
9	02.06.2017 (2074.02.19)	Friday	Move to Chhukung and night stay		
10	03.06.2017 (2074.02.20)	Saturday	Move to Imja and return back to Chhukung and night stay		
11	04.06.2017 (2074.02.21)	Sunday	Move to Dingboche and night stay		
12	05.06.2017 (2074.02.22)	Monday	Move to Namce and night stay		
13	06.06.2017 (2074.02.23)	Tuesday	Move to Fakding night stay		
14	07.06.2017 (2074.02.24)	Wednesday	Move to Lukla		
15	8.06.2017 2074.02.25	Thursday	Lukla wait for plane ticket		
16	9.06.2017 2074.02.26	Friday	Back to KTM		

## 2. Major observations/findings made from the field visit/ mission:

Followings are the major achievements till the time of field visit:

### Automatic Siren testing conduction:

1. The team of 5 persons move from Kathmandu to Lukla – Ghat to conduct automatic Siren testing at Ghat. Information to the Dudhkoshi Bipad Karyadal Byabasthapan Samiti, Ghat for automatic Siren testing was provided to inform people so that during Siren testing community should remain calm and safe. Siren testing was done at Ghat successfully flowing message in English and Nepali language.
2. Same Siren testing was done at Fakding.
3. Siren testing could not be done at Jorsalle, Phungithanka, Pangboche and Dingboche due to network problem. Communities were demonstrated voice of the Siren through laptop and speaker.
4. Now, communities from those areas are aware of the voice in English and Nepali how it sounds when automatic Siren will buzz during GLOF at Imja Lake.
5. Simple mentinance mechanism like damage of batteries were oriented to the local people and they were requested to inform to the DHM if there will be some proplem arise in the siren and check from time to time.
6. Information was provided to the Task Forces about the contact person from DHM will be Mr. Rajendra Sharma, after project phase out.
7. Though information for the Siren testing was communicated to the Fakding Task Force but it was not

well communicated to the people, so during Siren testing, people from Gumella were scared and tried to go to the safe places.

8. Standard Operational Procedure (SOP) guideline and SOP charts were handed over to 11 Task Forces (100 copies each = 200 copies )at Khumbu area to be distributed to the communities, LRPs, Mock Drill participants and Schools.

#### **Automatic Siren testing participants:**

A total of 90 (male and female) participants have participated in the Siren testing from Ghat, Fakding, Jorsalle, Phungithanka, Pangboche and Dingboche, Solukhumbu.

#### **Key Recommendations and conclusions:**

1. Voice of testing ....testing needs to be recorded before blowing voice message from the Siren is very essential.
2. Communities should be well informed before testing such sensitive message through automatic Siren.
3. Service Provider and technical person from the Project should make alert / orient to the team before moving to the field for testing.
4. DHM should take the ownership of all the installed Siren and maintenance .

#### **1. Outputs from the Field Visit/ Mission:**

- Automatic Siren have been tested at 6 places Ghat, Fakding, Phungi Thanka, Pangboche and Dingboche, Solukhumbu.
- Communities were informed about project phase out after July and handed over to DHM and about contact person from DHM.
- 2,200 copies of SOP guideline and SOP charts have been distributed to 11 Taskforces.
- Three Engineers from DHM benefitted from the field visits starting from Lukla to Imja Lake They have observed Task Forces, Evacuation Centres, interact with Task Force members and chair persons, observed Hoarding Boards along the trekking route, project supported drinking water and toilets at the Evacuation Centres, LSAR, FA and EWS equipments. The Engineers team from DHM have interacted with the communities, LRPs and Task Force members for rapport building, which was good before project pohase out.
- Communities are now aware of voice that will buzz from automatic Sirens during GLOF at Imja Lake and to move at safe places and lead time.

#### **5. Likely Follow-ups that might be necessary after the visit (What Next?):**

- Automatic siren's condition needs to be updated periodically from DHM by the technical person.

- DHM needs to coordinate and be in contact with the communities to know the condition of automatic siren including EWS, LSAR and FA equipment that were provided to the communities by the project.

**6. Major changes observed, if any, since the last field visit made:**

- Positive attitude towards the project and DHM was observed..
- Level of preparedness for GLOF and other disaster among the Task Forces and the communities have been increased.
- Communities feel relief from the possible disaster from Imja Lake after Lake has been lowered down by 3.4 meters.
- Standard Operational Procedure guideline and chart found quite informative and interesting to the communities and was distributed to the Schools, Gumba as well.
- Maps of evacuation centres were hanged over the walls at their dining wall so that any visitors could have a look.

**Date: 02.06.2017**

**Prepared and Submitted by:** Husna Banu Sheikh, GSIS, CFGORRP

**Submitted to:** Mr. Top Bahadur Khatri, National Programme Manager