

**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**

**Team Member:** Govind Acharya, Technical Advisor

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

- To conduct Gauge Reader Training at Gaighat, Udayapur district
- To monitor sediment control measures in Tulsipur (Siraha district) and in Sarpallo (Mahottari district)
- To monitor Evacuation Shelter in Sarpallo
- To monitor sediment trap measures in Korung Khola in Ratu upstream

**1. Key activities carried out based on the travel itinerary :**

Date/ Day	Districts/VDCs visited	Persons/ Groups interacted with	Description of Field visit Program/Activities
Day 1: 12/06/2016	FCO Lahan	DPC, DPO-Siraha, Resource Person for the Gauge Reader Training.	<ul style="list-style-type: none"> <li>▪ Flew to Janakpur and then travelled to FCO, Lahan to discuss all the preparations for the Gauge Reader Training</li> <li>▪ Travelled to Gaighat</li> <li>▪ Discussed with resource person about training materials and methodology of the training.</li> <li>▪ Night Stay at Hotel Kanchanjangha, Gaighat</li> </ul>
Day 2: 13/06/2016	Udayapur/Gaighat	DSCO-Udayapur, DPC, DPO-Udayapur, Gauge Readers, Training Resource Person.	<ul style="list-style-type: none"> <li>▪ Mr. Indra Prasad Adhikari, DSCO-Udayapur formally inaugurated the training program.</li> <li>▪ Assisted resource person in conducting gauge reader training</li> <li>▪ Interacted with participants</li> <li>▪ Night Stay at Hotel Kanchanjangha, Gaighat</li> </ul>
Day 3: 14/06/2016	Udayapur/Gaighat	DPC, DPO-Udayapur, Gauge Readers, Training Resource Person.	<ul style="list-style-type: none"> <li>▪ Assisted resource person in conducting gauge reader training</li> <li>▪ Interacted with participants about the overall content and review of previous day.</li> <li>▪ Night Stay at Hotel A One Yalambar, Gaighat</li> </ul>

Date/ Day	Districts/VDCs visited	Persons/ Groups interacted with	Description of Field visit Program/Activities
Day 4: 15/06/2016	Udayapur/Tulsipur-Siraha district	DPC, DPO-Udayapur and Siraha, Gauge Readers, Training Resource Person and local communities at Tulsipur-Siraha.	<ul style="list-style-type: none"> <li>▪ Assisted resource person in conducting gauge reader training</li> <li>▪ Interacted with participants about the overall content and review of previous day.</li> <li>▪ Travelled to Tulsipur VDC in Siraha district after completion of the training at around 3:00 pm.</li> <li>▪ Inspected the damaged under-construction embankment at Tulsipur in close consultation with local communities and CDMC. About 50 m stretch of embankment was damaged by the 24<sup>th</sup> May 2016 flooding event. The damaged portion has been temporarily repaired by constructing bamboo piling and by filling sand backs. A separate mitigation measure in the stretch will be required after upcoming monsoon.</li> <li>▪ Travelled to Bardibas and night stay at Hotel Gautam</li> </ul>
Day 5: 16/06/2016	Sarpallo, and Ratu Upstream	DPC, DPO-Mahottari and local communities	<ul style="list-style-type: none"> <li>▪ Travelled to Sarpallo, Mahottari to inspect sediment control measures and Evacuation Shelter at Sarpallo.</li> <li>▪ Inspected street drama conducted at Sarpallo.</li> <li>▪ Travelled to Bardibas for lunch</li> <li>▪ Travelled to Ratu upstream to inspect the sediment trap measures at Korung Khola and to identify other five potential locations. Check dams of gabion and dry wall are constructed in the Khola with significant bioengineering works. The identified five locations include Jhora Khola, Thing Kholsi, Kali Khola and Khaur Ropne Khola.</li> <li>▪ Interacted with local communities.</li> <li>▪ Travelled to Janakpur and night stay at Sita</li> </ul>

Date/ Day	Districts/VDCs visited	Persons/ Groups interacted with	Description of Field visit Program/Activities
			Palace at Janakpur.
Day 6: 17/06/2016	-	-	<ul style="list-style-type: none"> <li>▪ Travelled to Janakpur Airport to catch the flight to Kathmandu and reached Kathmandu at 2:30 pm.</li> </ul>

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

- Followings are the major achievements till the time of field monitoring
  - The gauge reader training was conducted with adequate theoretical background, demonstration and practical exercise. Practical exercises were conducted at Kong Khola and Triyuga river at Triyuga bridge. The gauge readers were provided with reference materials in Nepali language i.e. a manual "Standard Operating Procedures of Early Warning System and Sediment Sampling". The training event was further utilized to test the effectiveness of the manual for gauge readers.
  - There was a damage on about 50 m stretch of the under-construction embankment due to extreme rainfall on the 24th May 2016 and the damaged portion is to be repaired properly after monsoon.
  - Sediment trap measures adopted in Korung Khola are accomplished except some plantations which are to be undertaken during on-going monsoon.

**3. Key Recommendations and conclusions:**

- **FCO Lahan should have regular follow with the gauge readers for proper sediment samplings** and collection and dissemination of flood and rainfall related data to downstream gauge readers and communities.
- Based on the previous experience it is also recommended that locally available and suitable vegetation species are to be planted in the project area as bioengineering measures.

**4. Outputs from the Field Visit/ Mission:**

- Gauge reader training was conducted.
- Quality of entire visited interventions was assessed.
- Five sites for sediment trap in Ratu upstream were identified and local communities were interacted in terms of working modality, approach, fund flow mechanism and quality assurance.

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

- Frequent monitoring and regular follow up is needed to assure that standardized sediment samples are collected by the volunteer gauge readers.

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

- Gauge readers are now well capacitated in terms of sediment sampling and flood related data collection and dissemination.
- Sediment trap measures in Ratu upstream has been accomplished except some plantation work.

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