



**Activity Report**  
**on**  
**Workshop on Design-Drafting and Construction Site Management**  
**for UNICEF Supported DPHE Climate-Resilient Response Program**  
**for Eastern Flood Affected Districts in Chattogram Division 2025**



**Date: 04 February, 2025**

**Venue: Hotel Elite Palace (Cumilla)**

## **Introduction**

In response to the challenges posed by the Eastern Flood of 2024, the Department of Public Health Engineering (DPHE), in coordination with UNICEF, launched the "UNICEF Supported DPHE Climate-Resilient Response Program for Eastern Flood Affected Districts in Chattogram Division 2025." This program focuses on enhancing the resilience of water, sanitation, and hygiene (WASH) facilities in the flood-affected districts, with an emphasis on climate resilience. The program covers three districts and three Upazilas, with some adjustments in site selection. Due to site availability issues in Chauddogram Upazila, half of its proposed sites were transferred to Brahmara Upazila.

To ensure the successful implementation of this program, DPHE organized a comprehensive orientation workshop titled "Workshop on Design-Drafting and Construction Site Management." Held on February 4th, 2025, at Hotel Elite Palace in Cumilla, the workshop aimed to familiarize engineers, mechanics, contractors, and other relevant stakeholders from the selected districts and sub-districts with essential aspects of design, drafting, and construction site management. A significant focus of the workshop was to introduce the participants to climate-resilient WASH facility design and site supervision, equipping them with the necessary knowledge and skills for the successful execution of this critical program. This workshop marked an important step towards building the capacity of the teams involved and ensuring that the program's objectives are met effectively and sustainably.

## **Workshop Details**

As the construction work was about to get commenced, DPHE and UNICEF organized 'Workshop on Design-Drafting and Construction Site Management' for DPHE Engineers and Mechanics as well as Contractors of all 4 packages across the 03 Upazilas. The workshop took place on:

**February 04, 2025:** Cumilla

**Location:** Hotel Elite Palace, Cumilla

**Chair:** A.H.M Khalequr Rahman, Superintending Engineer, Store Circle, Dhaka

**Coordinator:** Nasif-E-Anwar, Assitant Engineer,Store Circle, Dhaka

**Participants:** 28 (DPHE staffs and Contractors), 5 facilitators, 1 chair

**Facilitators:**

- A.H.M Khalequr Rahman
- Nasif-E-Anwar, Assistant Engineer
- Tazrina Ananya, WASH Consultant, UNICEF
- Mahmudul Hasan, Emergency Officer, UNICEF

- Ershadul Haque, Emergency Officer, UNICEF

(See Annex-1 for detailed Participant List)

## Program Schedule

Time	Topic	Facilitator/Trainer
Session 01	Opening Remarks and Brief Overview of the Program	Mr. A.H.M. Khalequr Rahman
Session 02	Overview of Climate-Resilient Water and Sanitation Technologies	Mr. Nasif-E-Anwar & Mr. A.H.M. Khalequr Rahman
	Break	
Session 03	Group Work and Presentations	Mr. Nasif-E-Anwar
Session 04	Online Data Input	Mr. Mahmudul Haque and Mrs. Tazrina Habib Ananya
	Prayer and Lunch Break	
Session 05	Construction Supervision and Field Testing of Construction Materials	Mr. Abdullah Hil Kafi
Session 06	Basic Concepts of Operation and Maintenance	Mr. A.H.M khalequr Rahman
	Closing of the Program	Mr. A.H.M khalequr Rahman

## **Session 1: Opening Remarks and Brief Overview of the Program**

The workshop began with the opening remarks by Mr. A.H.M. Khalequr Rahman, Superintendent Engineer, who officially launched the session. In his address, he outlined the key objectives of the workshop and highlighted the desired outcomes from the construction activities under the UNICEF-supported DPHE Climate-Resilient Response Program. Mr. Rahman emphasized the critical importance of adhering to high standards in the field and ensuring the successful implementation of climate-resilient WASH facilities.

He also provided insights into essential construction monitoring processes and the need for effective site management throughout the project. His remarks set the stage for the workshop, ensuring that all participants understood the expectations and their roles in achieving the program's goals.



## **Session 2: Overview of Climate-Resilient Water and Sanitation Technologies**

In the second session, Mr. Nasif-E-Anwar, Assistant Engineer, Store Circle, provided a detailed overview of the design and drawings for the proposed water and sanitation activities under the program. He discussed the necessary design adjustments and corrections made to suit the specific requirements of the project. Mr. Anwar also highlighted critical aspects such as finishing work, minor details, and the estimated budgets for the construction activities. Additionally, he

emphasized the importance of ensuring that these designs are thoroughly checked and implemented accurately in the field to maintain the project's integrity and climate-resilient goals.



### **Session 3: Group Work and Presentations**

In the third session, participants were divided into groups and assigned various tasks related to the program's design and construction management. After completing their group work, each group presented their findings and ideas. During the presentations, Mr. A.H.M. Khalequr Rahman engaged the participants with a series of insightful questions, prompting discussions on design and drafting details. He actively listened to their opinions, addressed their queries, and provided expert guidance on refining the designs and improving the construction processes. This interactive session allowed for valuable exchanges, enhancing participants' understanding and application of key concepts.

**See Annex 2 for the questionnaires for the participants**



#### **Session 4: Online Data Input**

In the fourth session, Ms. Tazrina Habib Ananya and Mr. Mahmudul Haque from UNICEF provided an orientation on the use of the 'Inform' based data collection system. They trained the participants on how to submit data online from the field to ensure accurate site selection and proper handover processes. The session also included a hands-on demonstration of the system, allowing participants to familiarize themselves with the data entry and reporting procedures. Additionally, feedback was collected from field-level officials through an online form, ensuring that the system's functionality met the practical needs of the field staff for effective monitoring and management.

#### **Session 5: Construction Supervision and Field Testing of Construction Materials**

In this session, Mr. Abdullah Hil Kafi provided an in-depth discussion on the construction supervision of various WASH components. He emphasized the importance of effective monitoring during the construction phase to ensure the quality and durability of the work. Mr. Kafi also covered the field testing of different construction materials, explaining the procedures and standards for testing to ensure compliance with project requirements. He further highlighted good construction practices and shared best practices for water quality testing, stressing the importance of maintaining high standards to achieve the program's objectives of climate resilience and sustainability.



### **Session 6: Basic Concepts of the Operation and Maintenance**

In this session, Mr. A.H.M. Khalequr Rahman provided a brief overview of the basic operations and maintenance of the WASH components. Following this, he expressed his gratitude to all participants for their attendance and active involvement in the program. He then officially concluded the session and closed the program.

## **Participant Feedback and Insights**

Participants expressed deep gratitude for the opportunity to learn about design and drawing prior to the commencement of the program. They appreciated the session's focus on these critical aspects, as it provided them with valuable knowledge and insights that would directly inform their work in the field. Contractors, in particular, praised DPHE for organizing this workshop, noting that it was a new and enriching experience for them, offering a fresh perspective on the construction and supervision processes.

The participants shared a sense of great joy and enthusiasm, as this workshop opened up new learning opportunities, enabling them to enhance their skills and understanding of the climate-resilient WASH facilities. Many participants noted that the hands-on training and interactive sessions were particularly beneficial, as they provided practical knowledge that would be essential for successful project implementation.

Looking ahead, the participants expressed a strong desire for more workshops of this nature, hoping that DPHE and UNICEF would continue to organize similar programs in the future. They believe that ongoing training and capacity-building opportunities will be instrumental in enhancing their ability to effectively address the challenges in the WASH sector and achieve the program's goals of climate resilience and sustainability.

## **Conclusion**

In conclusion, it can be confidently stated that this was an excellent program for both DPHE field officials and contractors, as it provided valuable insights into climate-resilient design concepts just before the commencement of construction work. The day-long workshop proved to be a great success, offering participants the opportunity to interact with the Project Head Office and gain new learning experiences.

This program was also crucial for the success of the project. Equipping field officials with the proper knowledge and design concepts is essential to ensure the effective implementation of the components on the ground.

DPHE is hopeful that UNICEF will continue to support its efforts in the future, helping to provide marginalized communities with access to safe water and sanitation, particularly in regions where disasters have become a recurring challenge.

## Annex-1

### Participant List

Drawing-Drafting and Construction Site Management Workshop  
for  
UNICEF supported DPHE Climate Resilient Response Program on Eastern Flood in Chattogram Division 2025  
(EFR 2nd Phase)

Date: 04 February 2025  
Venue: Hotel Elite Palace, Cumilla

#### Registration Sheet

Sl.No.	Name & Designation	Working place	Email/Mobile	Signature
1	Md. Shafiqul Haque Executive Engineer	DPHE Feni	01712709029 dpho.feni@gmail.com	
2	MD. FARVA HOSSSEN S/AE	DPHE, Chadkhil, Noakhali	01712178209 md.farvuhossen@gmail.com	
3	Md. Abu Hayat Azad M/S Azad Enterprises	Noakhali	01766-533777	
4	Tareque Molla Estimator	DPHE Cumilla	01770-650706	
5	Md. Nazimul Islam Patwary AE (cc)	Chandagan Cumilla	01810866355	
6	Abdul Hannan Mechanic	chandagan cumilla	01580-620535	



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Sl.No.	Name & Designation	Working place	Email/Mobile	Signature
7	Dulal Hossain Mechanic	Choudhagram	01833946054	
8	Md. Ariful Islam Mechanic	Choudhagram	01957334306	
9	Engr. Anisur Rahman	Tikadom Rudra con.(Cumilla)	01842-030370	
10	Salehin Chisty	Tikadom Rudra. con.(Cumilla)	01892966042	Salehin
11	Utpol Chandra Shil Mechanic	Chatkiel	01613794193	
12	মতি হারু রফাত	মতিহার	01817084413	



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Sl.No.	Name & Designation	Working place	Email/Mobile	Signature
13	মতি হারু রফাত MD: Helal Uddin	Chatkiel	01777-979899	
14	মতি হারু রফাত মতি হারু রফাত মতি হারু রফাত	মতি হারু রফাত মতি হারু রফাত	01767884228	
15	Uttam Kumar Mazumdar SAE	Parshuram, Feni	Uttamip188@gmail. 01878780850 com	
16	Titu Acharjee Mechanic	Parshuram Feni	t@chr228@gmail.com	
17	Md Forhad Hossain Mechanic	Parshuram Feni	Forhad.mahbd@gmail.com 01918711798	
18	S.M Mahfuzur Rahman Estimator	Feni	mahfuz.dphe19@gmail.com 01722727259	



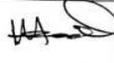
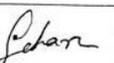
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Sl.No.	Name & Designation	Working place	Email/Mobile	Signature
25	MD: Tohid	Chittagong	01603164998	
26.	Md. Abdulla Hill - Kadi Assistant Engineer	DPHE Dhaka	01712081584 akadi_77@yahoo.com	
27.	Narif - E. Anwar Assistant Engineer	DPHE DHAKA	01786126085	
28.	Md Saharur Rahman	Glon s. Dhaka	01319 89 5082	



## **Annex 2: Questionnaires for the Participants in Group Discussion**

### **Group 1**

- ✓ Draw and Discuss about the design specification of Distribution chamber of CBWSS
- ✓ Explain the Stirrup details of the main column of CBWSS
- ✓ How many numbers of Ring should be provided above EGL?
- ✓ Write down the climate resilient features of #6 Tubewell

### **Group 2**

- ✓ Draw and Discuss about the Platform of CBWSS
- ✓ Explain the Climate resilient feature of the twin pit latrine
- ✓ What is the slope of the Protection Chamber?
- ✓ What is the height of the protection grill?

### **Group 3**

- ✓ Draw and Explain the Mechanism of Deep Set Pump
- ✓ What is Hunch Rod? Describe
- ✓ Describe the protection grill details of CBWSS
- ✓ Explain the climate resilient feature of the TW with Submersible Pump