

ACTIVITY REPORT

Module Updating, Central Workshop, Divisional level Training and WASH Cluster Meeting

1. Introduction

In response to the urgent need for improved capacity building in the context of climate change adaptation, disaster risk reduction, and emergency preparedness and response in Bangladesh, the Department of Public Health Engineering (DPHE), in collaboration with UNICEF, took on an essential initiative to build the resilience of the Water, Sanitation, and Hygiene (WASH) sector. The Department of Public Health Engineering (DPHE) and UNICEF jointly organized a 2-day training program titled “Capacity Development in WASH Sector in Bangladesh: Climate Change Adaptation, Disaster Risk Reduction, and WASH in Emergency Preparedness and Response” in 5 divisional cities of Bangladesh. Following the successful completion of the 5 divisional training events, the Department of Public Health Engineering (DPHE) started the next phase of its collaboration with UNICEF where they have organized another Divisional Training in Chattogram. After the successful implementation of the divisional training, a consultative workshop was organized to provide a detailed plan for the customization of training modules for the training of field-level professionals, particularly Assistant Engineers and Sub-Assistant Engineers. DPHE organized another workshop with UNICEF under the guidance of the GoB-UNICEF technical cooperation, with the goal of developing hazard-specific tools for emergencies.

2. Goals and Objectives

The capacity development program was aimed at enhancing WASH professionals' technical skills and raising stakeholder awareness, focusing on Climate Change Adaptation (CCA), Disaster Risk Reduction (DRR), and Emergency Preparedness and Response in WASH. Specific objectives of this phase included:

- Strengthening WASH professionals' disaster and emergency preparedness and response capacity.
- Raising awareness of DRR in WASH and integrating DRR and climate-resilient approaches nationwide.
- Addressing disaster and climate change impacts in the WASH sector.
- To determine the specific requirements and difficulties experienced by Assistant and Sub-Assistant Engineers working in the DPHE with reference to WASH service supply during emergencies
- To jointly create an advanced framework outlining the essential elements of a customized training module designed to fulfill these requirements



- To develop a hazard-specific tool for the development of an emergency response plan.

3. Activity Overview

After the successful completion of the 5 divisional training in the first phase as field trial of the developed module, one more divisional training was organized in the second phase in Chattogram which also featured the WASH Cluster meeting for the district of Chattogram. After the training, two consultative workshops were organized in Dhaka to develop an outline for the training module of field-level professionals, particularly Assistant Engineer and Sub-Assistant Engineers, and to develop a hazard-specific tool for the development of an emergency response plan. After each activity, upgradation of the module was done by the expert input as another activity including the reporting. .

4. Description of Activities

4.1. Divisional Training

The 2-day training program in Chattogram was held at Radisson Blu Hotel on 27th and 28th March 2024. There were a total of seven sessions conducted over two days in addition to an opening and a closing session, covering a wide range of topics such as climate change impacts, disaster management, regulatory frameworks, and WASH technologies for emergencies.

The sessions were:

- Session 1: Climate Change and Its Impacts on Water, Sanitation and Hygiene (WASH)
- Session 2: Disasters and Impacts on WASH Infrastructures in Bangladesh
- Session 3: Stakeholders' Roles in DRR and Emergency Preparedness and Response in WASH
- Session 4: Standards and Guidelines for WASH during Disasters and Emergency Response
- Session 5: Climate Resilient WASH Technologies
- Session 6: WASH Services in Disasters and Emergency Response
- Session 7: Emergency Response Planning and Implementation in WASH



Figure 1: Divisional Training at Chattogram

Participants were actively involved in various tasks and activities during the sessions, including group work to identify indicators and impacts of climate change, quizzes conducted through Mentimeter, and discussions on real-life problems related to water supply, sanitation, and hygiene during disasters. The training program was facilitated by experts working in the WASH sector of Bangladesh with a specialty

in climate change adaptation, disaster risk reduction, and WASH in an emergency. The facilitators of the 2-day training program were:

- Maharam Dakua, Consultant, DPHE
- Dilruba Farzana, DPD, DPHE, 10 Town Project, Dhaka
- Saleha Khatun, Cluster Coordinator (WASH), UNICEF

4.2. WASH Cluster Meeting

A WASH cluster meeting was arranged at the end of the training sessions. The meeting was organized for districts of Chattogram where the participants from this district, who attended the training, took part. At the beginning of the meeting, a brief overview of the objectives of the WASH Cluster and its scope of work as outlined by the Standing Orders on Disaster (SOD) and other guidelines was provided by Maharam Dakua. The WASH Cluster meetings were chaired by Ms. Rebeka Ahsan, Executive Engineer, DPHE, Chattogram (Store Division). The meeting focused on establishing the WASH Cluster at the district level, determining its structure, and frequency of meetings, and defining its scope of work.



4.3. Consultation Workshop for Developing Outline of the Emergency WASH Training Module for AE/SAE

The workshop started on 30th March 2024 at DPHE Auditorium, DPHE, Dhaka with an opening session. Md. Saifur Rahman, Additional Chief Engineer, DPHE, and S.M. Shamim Ahmed, Project Director, 10 Town Project were present during the opening session of the workshop. At the beginning of the opening session, A.H.M. Khalequr Rahman, Superintending Engineer, Store Circle, DPHE presented the objectives of this training and provided an overview of the contents of the sessions. After the opening session, Maharam Dakua, Consultant, DPHE showcased a presentation on the workshop topic and explained the group work to the participants. The participants were asked to suggest the outline of the training module for the field-level officers of DPHE. Participants were divided into groups and each group was allocated a different section of the existing training module. At the end of the training, a brief closing session was arranged. A.H.M. Khalequr Rahman, Superintending Engineer, Store Circle, DPHE was present in the closing session.



Figure 3: Consultation Workshop for developing an outline of the Emergency WASH Training Module For AE/SAE

4.4. Consultation Workshop for Developing Hazard-specific Tools for WASH in Emergency

The workshop started on 31st March 2024 at ITN Seminar Room, BUET, Dhaka with an opening session. A.H.M. Khalequr Rahman, Superintending Engineer, Store Circle, DPHE presented the objectives of this training during the opening session of the workshop and announced the opening of the program. After the opening session, Maharam Dakua, Consultant, DPHE showcased a presentation on the workshop topic and provided an overview of the contents of the workshop. The participants were split up into groups, and each group was given a distinct hypothetical scenario related to a particular hazard that they had either experienced firsthand or that was a frequent scenario where they resided. The participants developed an emergency response plan upon the group work and the hypothetical scenario. After that, the participants presented their emergency response plan. At the end of the training, a brief closing session was arranged. Raushan Alam, SE, DPHE, Dhaka Circle DPHE, Md. Areef Anwar Khan, PD, DPHE, FREAP, Dhaka, and Saleha Khatun, Cluster Coordinator – WASH in Emergencies Specialist, UNICEF were present in the closing session.



Figure 4: Consultation Workshop for Developing Hazard-specific Tools for WASH in Emergency

4.5. Expert support for Workshop Material/tool/outline development and management Support in implementation.

Expert input was provided for the module updating and development of the Hazard Specific Tools and development of the outline of the module for AE/SAE from the workshop. Also, management support was provided for the training and workshop implementation and reporting.

5. Conclusion

The effective execution of the training program and the consultative workshops stand as a commendable achievement. The list of the districts from which DPHE officials participated in the training is provided in Figure 5

Figure 5: List of participating districts in the second phase

Sl No.	Event	Participating Districts
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1	Training for Chattogram	Chattogram, Rangamati, Bandarban, Khagrachori, Cox's Bazar, Noakhali, Chandpur
2	Workshop for module outline of AE/SAE	Dhaka, Chattogram, Gaibandha, Norshindi, Tangail, Rangpur, Kishorganj, Bagerhat, Sunamganj, Satkhira, Manikganj, Patuakhali, Natore, Cox's Bazar, Khulna, Chapainawbganj, Bandarban, Rangamati, Netrokona,
3	Workshop for Hazard Specific tool	Dhaka, Cox's Bazar, Rajshahi, Sylhet, Chapainawbganj, Netrokona, Khulna, Kurigram, Gaibandha, Rangpur, Barishal, Sunamganj, Bandarban, Rangamati, Satkhira, Serajganj,

The responses observed in the performances and feedback from participants underscore the success of this initiative. The findings from the workshops and the training program highlight the crucial importance of continuing capacity development in the WASH sector in Bangladesh, especially in the areas of emergency planning and response.



Annex 1:

Capacity Development in WASH Sector in Bangladesh: Climate Change Adaptation, Disaster Risk Reduction, and WASH in Emergency Preparedness & Response

LIST OF PARTICIPANTS

1. Training at Chattogram

Venue: Radisson Blu Hotel, Chattogram

Date: 27-28 March 2024

SL. No.	Name	Designation & Organization
1.	Md. Jahir Uddin Dewan	SE, DPHE, Chattogram Circle
2.	Md. Mizanur Rahaman	SAE, DPHE, Chattogram
3.	Md. Forhad Uddin	SAE , DPHE, Chattogram
4.	Eng. Md. Golam Morshed	SDO, , DPHE, Chattogram
5.	Abu Hanifa	Project Officer, DSK, Chattogram
6.	Sanzida Akter	Program Manager, YPSA, Chattogram
7.	Md. Ali Sheekder	Executive Director, SOPNIL, Chattogram
8.	Jony Rozario	Technical Coordinator-WASH, World Vision, CTG
9.	Md. Enamul Hasan	District Manager, BRAC, Chattogram
10.	Daniel Sipu Gomes	Program Officer, Caritas Bangladesh, Chattogram
11.	Panna Akter	Senior Assist. Commissioner, DC office, CTG
12.	Md. Sifullah Majumder	DRRO, DC Office, Chattogram
13.	Nirendra Nath Roy	Supervision Engineer WASH, WSUP, Chattogram
14.	Md. Ahasan Habib	EE, DPHE, Noakhali
15.	Md. Abdur Razzak	AE, DPHE, Noakhali
16.	Anawar Hossen	AE, DPHE, Noakhali
17.	Abu Musa Mohammad Foysal	EE, DPHE, Chandpur
18.	Md. Sohrab Hossen	Estimator, DPHE, Chandpur
19.	Md. Jahidul Islam	SAE, DPHE, Chandpur
20.	Porag Borua	EE, DPHE, Rangamati
21.	Md. Rubel Rana	SAE, DPHE, Rangamati
22.	Purnendu Chakma	Estimator, DPHE, Rangamati
23.	Rajib Chandra Das	Estimator, DPHE, Noakhali



SL. No.	Name	Designation & Organization
24.	Abdur Razzak	AE, DPHE, Bandarban
25.	Kamanashis Khisa	WASH Officer BSAP, GRAUS, Bandarban
26.	Palash Chandra Das	EE, DPHE, Khagrachori
27.	Md. Mustafizur Rahman	EE, DPHE, Cox's Bazar
28.	Abul Monjur	AE, DPHE, Cox's Bazar
29.	Md. Rajib Hossan Raju	Estimator, DPHE, Cox's Bazar
30.	Mr, Bitu Dutta	Trng. & Doc. Officer, Green Hill, Bandarban
31.	Dr. MD. Naoshad Khan	Medical Officer, Civil Surgent Office, Chattogram
32.	Saidul Islam	SAE, DPHE, Bandarban Sadar
33.	Anupan Dey	EE, DPHE, Bandarban



2. Consultation Workshop for Developing Outline of the Emergency WASH Training Module for AE/SAE.

Venue: DPHE Auditorium, Dhaka

Date: 30 March 2024

SL. No.	Name	Designation & Organization
1.	Mohammad Anwar Eusuf	SE, DPHE, Planning Circle, Dhaka
2.	Ehete Shamul Russel Khan	SE, DPHE, Fusibility & Study Circle, Dhaka
3.	SM Shamim Ahmed	PD, DPHE, 10 Town Project, Dhaka
4.	Nazia Tasnim	DPD, DPHE, FREAP, Dhaka
5.	Farhana Hossain	EE, P & C Division, Dhaka
6.	Ruksana Parviin	EE, DPHE, Training Division, Dhaka
7.	Dilruba Farzana	DPD, DPHE, 10 Town Project, Dhaka
8.	Rebeka Ahsan	EE, DPHE, Store Division, Chattogram
9.	Md. Yasin Arafat	EE, DPHE, Store Division, Dhaka
10.	Md. Saihan Ali	EE, DPHE, Gaibandha
11.	Md. Rezwan Hossain	EE, DPHE, Norshindi
12.	Md. Ibne Mayaz Pramanik	EE, DPHE, Tangail
13.	Gazi Fatema Ferdous	EE, DPHE, Manikganj
14.	Md. Abul Kashem	EE, DPHE, Sunamganj
15.	Md. Mahbubur Rahman	EE, DPHE, Kishorganj
16.	Md. Moshiur Rahman	EE, DPHE, Netrokona
17.	Md. Ashrafuzzaman	EE, DPHE, Patuakhali
18.	Jaynta Mallik	EE, DPHE, Bagerhat
19.	Md. Shohidul Islam	EE, DPHE, Satkhira
20.	Md. Muztafizur Rahman	AE, DPHE, Asasuni, Satkhira
21.	Md. Akmol Hossain	EE, DPHE, Khulna
22.	Amit Kumar Sarkar	EE, DPHE, Chapainawbganj
23.	Mohammad Nurul Kabir Bhuiyan	EE, DPHE, Natore
24.	Pankaj Kumar Saha	EE, DPHE, Rangpur
25.	Abul Manjur	AE, DPHE, Cox's Bazar
26.	Subrato Borua	AE, DPHE, Rangamati Sadar



SL. No.	Name	Designation & Organization
27.	Md. Abdullah-al Mahmud	AE, DPHE, Dhakop, Khulna
28.	Md. Yousuf Ali	SAE, DPHE, Nachol, Chapainawbganj
29.	Abdur Razzak	AE, DPHE, Lama, Bandarban
30.	Md. Robin Hossain	SAE, DPHE, Store Circle, Dhaka



3. Consultation Workshop for Developing Hazard-specific Tools for WASH in Emergency

Venue: ITN Seminar Room, BUET, Dhaka

Date: 31 March 2024

SL. No.	Name	Designation & Organization
1.	Mohammad Kabir Chowdhury	PD, DPHE, 25 Town Project, Dhaka
2.	Raushan Alam	SE, DPHE, Dhaka Circle
3.	Md. Areef Anwar Khan	PD, DPHE, FREAP, Dhaka
4.	Dilruba Farzana	DPD, DPHE, 10 Town Project, Dhaka
5.	Dalila Afroze	EE, Arsenic Management, Dhaka
6.	Md. Yasin Arafat	EE, DPHE, Store Division, Dhaka
7.	Md. Robin Hossain	SAE, DPHE, Store Circle, Dhaka
8.	Md. Imran Tarafder	EE, DPHE, Barisal
9.	Md. Saihan Ali	EE, DPHE, Gaibandha
10.	Mohammad Azad Kazi	AE, DPHE, Zakigonj, Sylhet
11.	Md. Younus Ali	SAE, DPHE, Gowainghat, Sylhet
12.	Sujoy Karmokar	AE, DPHE, Sibganj, Chapainawbganj
13.	Md. Abul Kashem	EE, DPHE, Sunamganj
14.	Md. Yousuf Ali	SAE, DPHE, Nachol, Chapainawbganj
15.	Md. Moshir Rahman	EE, DPHE, Netrokona
16.	Ahsan Habib	AE, DPHE, Kazipur, Seraiganj
17.	Monjil Hossain	AE, DPHE, Godagari, Rajshahi
18.	Md. Shohidul Islam	EE, DPHE, Satkhira
19.	Md. Muztafizur Rahman	AE, DPHE, Asasuni, Satkhira
20.	Robiul Islam	SAE, DPHE, Mohonpur, Rajshahi
21.	Amit Kumar Sarkar	EE, DPHE, Chapainawbganj
22.	Muhammad Moshir Rahman	EE, Netrokona
23.	Pankaj Kumar Saha	EE, DPHE, Rangpur
24.	Abul Manjur	AE, DPHE, Cox's Bazar
25.	Subrato Borua	AE, DPHE, Rangamati Sadar
26.	Md. Abdullah-al Mahmud	AE, DPHE, Dhakop, Khulna
27.	Harunur Rashid	EE, DPHE, Kurigram



SL. No.	Name	Designation & Organization
28.	Abdur Razzak	AE, DPHE, Lama, Bandarban
29.	Chandrakishar Roy	AE, DPHE, Char Rajibpur, Kurigram
30.	Md. Khokon Rana	SAE, Sundarganj, Gaibandha

