

CWIS APPROACH FOR MUNICIPALITYWIDE INCLUSIVE SANITATION IN NEPAL TRAINING OF TRAINERS

ASSIGNMENT BOOK

August 2023

Owned by:

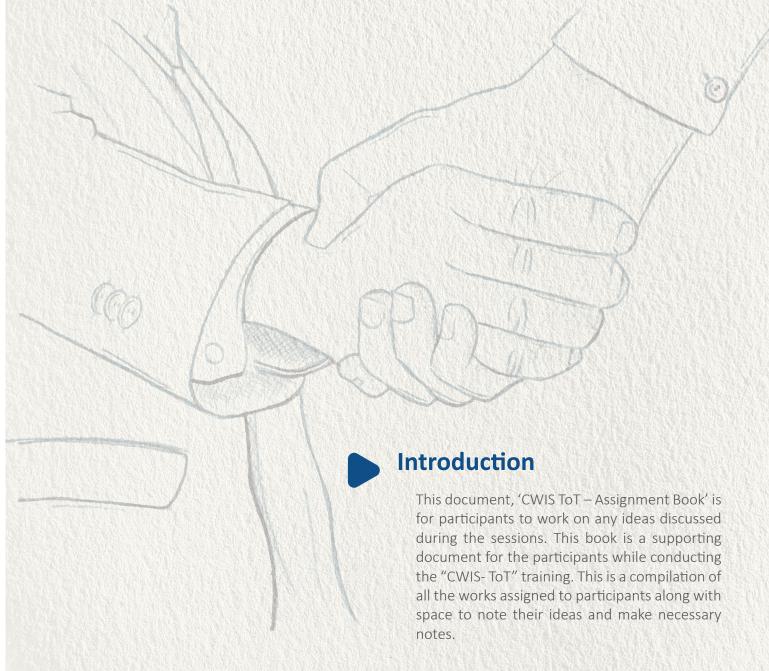
Organization:

Designation:



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Objective

The main objective of the document is to serve the participants as scaffolds required for the adult learning which is one of the core principle of adult learning. To this, the other objective is to provide the related links and reference materials for the additional learning or exploring more on the topic covered during the training.

How to Use?

The document consist of the work assigned to the participants related to the sessions covered in the training. As per the convenience and as per the pace of the CWIS ToT, participants are to go through the materials provided and make notes as described in each task. From the trainers perspective, the summary of each of assignments could be discussed right after the day review of each day.

Lesson Plan 1: Training Opening



Learning Outcomes

- 1. Introduce participants and trainers in participatory approach
- 2. Discuss the groups' expectations and agenda for the training

Assignment 1.1: In	ntroduce
Reason to get mot	tivated to work/ training in urban sanitation:
nteresting fact abou	ut you:

Lesson Plan 2: Sanitation Status and Sanitation Service Chain

Learning Outcomes

- .. Explain key terminologies of sanitation sector
- 2. Outline the sanitation initiatives against the goals and targets of GoN and have idea on way forward

Assignment 2.1: Briefly quote your understanding of following terms: Sanitation service chain vs sanitation system
Samtation Service Chain vs Samtation System
Onsite Sanitation system vs off-site sanitation system
Improved sanitation vs safely managed sanitation
p
Wastewater management vs Fecal sludge management

Lesson Plan 3: CWIS: Concept and Introduction



Learning Outcomes

At the end of this session participants will be able to:

- 1. Describe CWIS approach and its importance
- 2. Clarify the CWIS concept with the practical example
- 3. Discuss CWIS framework and principles of CWIS

Assignment 3.1: Group work

1. Divide participants into 4 groups and assign each group a link to the task as follow:

c. Group 3: https://www.frontiersin.org/articles/10.3389/fenvs.2020.00019/full

pp=ygUKRUFXQUcrQ1dJUw%3D%3D

a. Group 1: https://www.adb.org/sites/default/files/publication/751531/cwis-citywide-inclusive-sanitation-needed.pdf



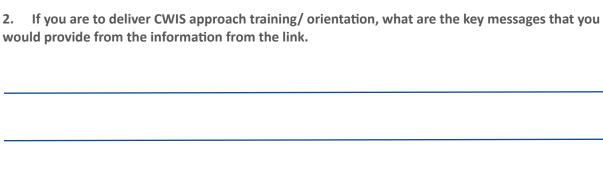
b. Group 2: https://www.worldbank.org/en/topic/sanitation/brief/citywide-inclusive-sanitation





d. Group 4: https://www.youtube.com/watch?v=u3dY2m_GJes&





area?	
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Lesson Plan 4: CWIS Service Outcome - Equity

Learning Outcomes



At the end of this session participants will be able to:

- 1. Articulate CWIS service outcome- equity
- 2. Summarize the key elements required for equity in sanitation sector

Assignment 4.1: Stakeholder engagement matrix- Name some of the sanitation stakeholders in each category of the matrix for a sanitation project of 2 crore rupees.

High Power Low Interest	High Power High Interest
Low Power Low Interest	Low Power High interest
Mayor	Sanitation service provider
Chief administrative officers	Media
Section chief	Private sectors
Community Based organizations	Development partners
General public	Ward representatives
'	
Assignment 4.2: How can you relate this stakeholder provision?	mapping matrix with equitable sanitation service

Lesson Plan 5: CWIS Service Outcome- Safety



Learning Outcomes

At the end of this session participants will be able to:

- 1. Discuss the CWIS service outcome 'safety' along with issues related to safety
- 2. Explain measures to attain safety throughout sanitation service chain

Assignment 5.1: Watch video on you-tube and note the answers of following questions: Video: https://www.youtube.com/watch?v=W8ReSOUYjZY (Talk of the town, with Mayor of Birendranagar)



s discussed in the video, what are similar kind of sanitation issues in your working area?
What would be your plan for mitigating the above mentioned issues?

Assignment 5.2: Watch video on you-tube and note the answers of following questio

Video: WASH facility Center, Kirtipur https://www.youtube.com/watch?v=nH0MeZguXeY&pp =ygUUd2FzaCBmYWNpbGl0eSBjZW50cmU%3D



$1. \hspace{1.5cm} \textbf{What are other possible interventions for the safety of sanitation workers in context of your working area?} \\$	
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Lesson Plan 6: CWIS System Function -Responsibility and Accountability

Learning Outcomes

Describe at the end the CWIS system function 'Responsibility' and 'Accountability' along the sanitation

chain

- Identify key stakeholders for the Responsibility and Accountability in participant's context
- Explain the roles and responsibilities for delivery of sanitation services

Assignment	t 6.1 : Linking	CWIS princip	ole to res	ponsibility a	and accountability	1
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Lesson Plan 7: CWIS System Function Resource Planning and Management



Learning Outcomes

- 1. Explain resource planning and management along with CWIS financial framework
- 2. Interpret diverse mechanisms to strengthen financial resources
- 3. Analyze the financial flows of municipality and identify the gaps

Assignment 7.1: Government of Nepal has contextualized SDG 6 goal as below. Go through the provided document and based upon the findings and recommendations from the study, give your opinion on the set targets and indicators.

 Cost benefit analysis of sewered and non-sewered sanitation interventions i pality, Nepal

(https://www.adb.org/publications/cost-benefit-analysis-of-sewered-and-non-sewered-sanitation-interventions-in-mahalaxmi-municipality-nepal)

SDG 6 – Target and Indicators

Target 6.2 By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations 6.2.1 Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water 1 Households using improved sanitation facilities which are not shared (%) 2 Proportion of population using latrine (%) 3 Sanitation coverage (%) 4 Urban households with toilets connected to sewer systems/ yor proper F5M (%) Target 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated waste water and increasing recycling and safe reuse. 6.3.1 Proportion of wastewater safely treated Proportion of untreated industrial waste water (%) 99° 75.3 57.5 39.7 10 6.3.2 Proportion of bodies of water with good ambient water quality	Target	s and Indicators	2015	2019	2022	2025	2030
Households using improved sanitation facilities which are not shared (%) Proportion of population using latrine (%) Sanitation coverage (%) Urban households with toilets connected to sewer systems/ proper FSM (%) Target 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated waste water and increasing recycling and safe reuse. Proportion of wastewater safely treated Proportion of untreated industrial waste water (%) Proportion of untreated industrial waste water (%)						d open de	fecation,
shared (%) 2 Proportion of population using latrine (%) 3 Sanitation coverage (%) 4 Urban households with toilets connected to sewer systems/ proper FSM (%) Target 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated waste water and increasing recycling and safe reuse. 6.3.1 Proportion of wastewater safely treated 1 Proportion of untreated industrial waste water (%) 99° 75.3 57.5 39.7 10	6.2.1 F	roportion of population using safely managed sanitation services, in	ncluding a h	and-washi	ng facility v	vith soap ar	nd water
3 Sanitation coverage (%) 4 Urban households with toilets connected to sewer systems/ 30° 46 62 74 90 proper FSM (%) Target 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated waste water and increasing recycling and safe reuse. 6.3.1 Proportion of wastewater safely treated 1 Proportion of untreated industrial waste water (%) 99° 75.3 57.5 39.7 10	1		60 ^d	69.3	78.7	85.7	95
4 Urban households with toilets connected to sewer systems/ proper FSM (%) 30° 46 62 74 90 Target 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated waste water and increasing recycling and safe reuse. 6.3.1 Proportion of wastewater safely treated Proportion of untreated industrial waste water (%) 99° 75.3 57.5 39.7 10	2	Proportion of population using latrine (%)	67.6e	75.7	83.8	90	98
proper FSM (%) Target 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated waste water and increasing recycling and safe reuse. 6.3.1 Proportion of wastewater safely treated Proportion of untreated industrial waste water (%) 99° 75.3 57.5 39.7 10	3	Sanitation coverage (%)	82ª	86.5	89.9	93.3	99
hazardous chemicals and materials, halving the proportion of untreated waste water and increasing recycling and safe reuse. 6.3.1 Proportion of wastewater safely treated 1 Proportion of untreated industrial waste water (%) 99° 75.3 57.5 39.7 10	4		30a	46	62	74	90
reuse. 6.3.1 Proportion of wastewater safely treated 1 Proportion of untreated industrial waste water (%) 99° 75.3 57.5 39.7 10							
6.3.1 Proportion of wastewater safely treated 1 Proportion of untreated industrial waste water (%) 99° 75.3 57.5 39.7 10			ated waste	water and	dincreasin	g recyclin	g and safe
Proportion of untreated industrial waste water (%) 99° 75.3 57.5 39.7 10							
6.3.2 Proportion of bodies of water with good ambient water quality			99°	75.3	57.5	39.7	10
	6.3.2	•					

Lesson Plan 8: CWIS Service Outcome - Sustainability



Learning Outcomes

At the end of this session participants will be able to:

- 1. Describe the concept on sustainable sanitation
- 2. Explain sustainable sanitation indicators/ criteria (including climate resilient sustainable sanitation)
- 3. Discuss strategies to make sanitation services more sustainable.

Assignment 8.1: Go through the link and note points of interest, challenges and opportunities for sustainable sanitation

https://www.mdpi.com/2071-1050/8/12/1289



Challenges:			
Opportunities			

uSanA	A and FIEST approach.		
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Assignment 8.2: As discussed in the session of sustainability, note down the criteria of sustainability by reviewing

Lesson Plan 9: Enabling Environment



Learning Outcomes

- 1. Define enabling environment for sanitation
- 2. Identify factors that creates enabling environment for safe sanitation

Assignment 9.1: View a video from the following link and note how can you connect the points discussed in the video with enabling environment for safely managed sanitation?		
https://www.youtube.com/watch?v=a2-boL6W0x8		
Assignment 9.2: Note the key points discussed as per the document. https://washkhabar.com/np/2023/07/27/31487		

Lesson Plan 10: CWIS and Private Sector Engagement



Learning Outcomes

At the end of this session participants will be able to:

- 1. Define the role of private sector as a key stakeholder in CWIS implementation.
- 2. Analyze the engagement of private sector in sanitation service delivery based on experience sharing.

Assignment 10.1: Watch the video relating to the private sector engagement in sanitation and note your perspective for possible ideas to encourage private sectors engagement in sanitation. (You may discuss in pair and note the points) https://www.youtube.com/watch?v=RPvENXps23c



Lesson Plan 11: Integrating CWIS in Project Cycle



Learning Outcomes

- 1. Relate all components of CWIS framework into a project cycle
- 2. Apply CWIS approach in project planning, implementation and monitoring & evaluation of the project

to r	gnment 11.1: In their earlier 4 groups, participants are to take a reference of a project cycle and ask eview the project cycle through CWIS perspective and incorporate CWIS components into the project (if needed).
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Lesson Plan 12: Monitoring and Benchmarking



Learning Outcomes

- 1. Define the protocols for monitoring, evaluating and setting benchmarks in sanitation sector through CWIS perspective
- 2. Explain monitoring and evaluation tools for the measurement of the CWIS indicators

signment 12.1: Think about the existing monitoring protocol of your organization and analyze it rough CWIS perspective, what could be added for the improvement in the existing monitoring otocol/guidelines?					

Lesson Plan 14: Technological Awareness



Learning Outcomes

- L. Explain pre-requisite and parameters for appropriate sanitation technology
- 2. Discuss different types of containment technologies used in Nepal
- 3. Discuss about different types of collection and transportation methods
- 4. Explain objectives of faecal sludge treatment technologies
- 5. Identify FS treatment technologies
- 6. Discuss on the treatment technologies used in Nepal

	ne challenge?
gnment 14.2: Ask participants to go through the link and note the interesting	回波斯[
nts after reading the document. s://washkhabar.com/np/2023/07/21/31384	
	933245 1000-00
	(E1::- 64:

Lesson Plan 15: Exposure Visit and Practice delivery



Learning Outcomes

At the end of this session participants will be able to:

1. Analyze the sanitation facilities/infrastructures through CWIS perspective.

Assignment 15.1: After the field visit, in your group discuss and prepare the presentation as given format.

Assignment 15.2: As per given mini-lesson plan for delivery, go through it and prepare it for delivery in your pair.



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