

CWIS Training Packages- Detailed Outlines

Background

Citywide Inclusive Sanitation (CWIS) is a new approach in sanitation sector for the attainment of the SDG 6. Along with the conventional approaches in sanitation sector, integrating all the aspects of human life that have direct or indirect linkage with the sector is the main concept of the CWIS approach. As the concept of CWIS itself is new and is evolving on regular basis, the learning on the concept itself along with the experiences across the globe for the implementation of the CWIS approach is a great initiative to expand the knowledge on CWIS.

For the training and or orientation on CWIS to various groups of targeted audiences, this is a compilation of the required packages for the CWIS knowledge dissemination among the related stakeholders. The listing of the packages was finalized with the support from the sector stakeholders, CWIS Alliance Nepal (CWISAN), along with the representatives from the government. It is also noted that a single entity/ organization is not responsible for the development of all packages and could lead the process of the development.

ENPHO, with the support from the sector stakeholder, has plan to develop 4 packages from the list with the support from the whole sector.

Key Training Packages:

1. Sensitization on CWIS (orientation)- for enabling environment; for the Policy Makers and Decision Makers
2. CWIS: Constellation to Oracle (MToT); for Sanitation experts and professionals
3. CWIS Oracle (ToT); for sanitation professionals
4. Intro to CWIS (Training); for implementers including Municipal Officers- admin officers, WASH focal person, GESI Focal person, Environment Focal Person
5. Monitoring mechanism; for implementers including Municipal Officers- admin officers, WASH focal person, GESI Focal person, Environment Focal Person
6. Design training of FSTPs; for engineers and technical personals
7. Design training of DEWATS; for engineers and technical personals
8. O&M of FSTPS
9. Hands on training on septic tank construction for Masons
10. Orientation on Infection prevention and control and Occupational health and safety
11. Customized package on FSM tools
12. Customized package on specific design of FSTPs

Module 1: Sensitizing Package on Citywide Inclusive Sanitation

Overview	
Purpose	<p>Citywide Inclusive Sanitation (CWIS) is a public service approach aimed at advancing safe, equitable, and sustained services for all focusing on reaching to women, girls and low-income communities by strengthening the design and implementation of core system functions. Sanitation sector, largely is informal and unregulated in Nepal, primarily focused on the sewer system that is serving a minimal population of around 15% that to excluding the marginalized and pro-poor communities. One of the reasons for this is the limited numbers of institutional and regulatory documents or legal binding related to inclusivity and sustainability in sanitation.</p> <p>This module will provide a basic understanding on core concepts on CWIS and sensitize the target audience for creating an enabling environment with needed regulatory framework and policy along with the institutional set up.</p>
Target Participants	<ul style="list-style-type: none"> Ministry level and high rank officers responsible for the planning and making policy in sanitation. <p>Secondary:</p> <ul style="list-style-type: none"> Government decision makers, administration officials, head of departments, focal person of different theme
Learning Outcome	<p>At the end of this module, the participants will be able to:</p> <ul style="list-style-type: none"> Identify the need for enabling environment- legal/regulatory framework on CWIS for the implementation of CWIS Incorporate CWIS while planning Sensitize on the expected roles and responsibilities of different stakeholders
Mode of Delivery	<ul style="list-style-type: none"> Power-point presentation Cases of CWIS implementation along with enabling environment in different countries Group discussion and interaction related to key issues and possible solutions
Duration	2-3 hour

Key Content			
S.N.	Session	Key components and themes	Est. Time
1	Opening session	<ul style="list-style-type: none"> • Introduction • Objectives of the orientation 	30 mins
2	Orientation on CWIS	<ul style="list-style-type: none"> • Urbanization and status of urban sanitation services • Gap in sanitation practices as usual <ul style="list-style-type: none"> ○ Importance of CWIS ○ CWIS and SDG 6 • CWIS- concept and framework • CWIS linking with N-WASH Plan <ul style="list-style-type: none"> ○ Sanitation- part of WASH plan • CWIS implementation in different countries • Need for policy, regulation for enabling environment • Roles of stakeholders for CWIS implementation 	2 hrs
3	Plenary discussion and Closing	<ul style="list-style-type: none"> • Plenary discussion- Way forward • Closing 	30 mins

Module 2: CWIS: Constellation to Oracle

Overview	
Purpose	<p>CWIS approach is new and is constantly updating with more information. As with the new concept and approach, resource person or the pool of experts also needs to update constantly with the progress on CWIS. This module targets to do the same with the updates on CWIS targeting to the pool of resources. This pool of resources are responsible for the capacity building of the trainers- training of trainers, who are further responsible for cascading the information on CWIS to the implementers. Hence, the module is targeted to the resource person or the sanitation experts for the common understanding on CWIS.</p>
Target Participants	<p>Primary:</p> <ul style="list-style-type: none"> • Sanitation experts and professionals from government and private organization that are responsible for training of trainers <p>Secondary:</p> <ul style="list-style-type: none"> • Public health engineers, environmental engineers, sanitation engineers, WASH engineers
Learning Outcome	<p>At the end of this module, the participants will have:</p> <ul style="list-style-type: none"> • Common understanding on CWIS along with the updates on CWIS • Deliver training on CWIS to the trainers • Cascading the CWIS knowledge and information
Mode of Delivery	<ul style="list-style-type: none"> • Power-point presentations • Q&A • Group Activity and discussion • Participatory and interactive activity • Video Show – stories from the field
Duration	2 to 3 days

Key Contents			
S.N.	Sessions	Key components and themes	Est. time
1	Opening Session	<ul style="list-style-type: none"> • Introduction • Welcome and ice-breaking • Objective sharing • Agenda of the training • Pre-assessment 	1 hr
2	Sanitation and its linkages with Urban Development and Planning	<ul style="list-style-type: none"> • Urbanization • Sanitation in Urban Development and Planning • Urban Sanitation and Public Health • Global Sanitation Targets and Progress in Sanitation Coverage • Sustainable Sanitation practices for Urban Development • Cases- video on urbanization and urban sanitation (Contrast in sanitation services in urban context) • Open Discussion & Q/A 	1 hr
3	CWIS approach, its Principles and Frameworks for Sanitation Service Delivery	<ul style="list-style-type: none"> • Introduction to CWIS • Evolution of the Concept of CWIS • CWIS Principles and Framework • CWIS Requirements, Resources and Pertinence • CWIS in Nepal • Video on 'An Introduction to Citywide Inclusive Sanitation' • Open Discussion & Q/A 	1 hr
4	Linking CWIS to WASH Plan	<ul style="list-style-type: none"> • WASH plan • Link WASH plan to sanitation and CWIS 	1 hr
5	Existing Laws, Rules & Regulations – Global & National	<ul style="list-style-type: none"> • CWIS and SDG • Legal and policy provisions- Global and national context • Regulatory and institutional provision for sanitation services chain in Nepal <ul style="list-style-type: none"> ○ IRF for faecal sludge in Nepal • A Practical Example of Formulating Sanitation focused By-laws • Open Discussion: How Cities can attain the Sanitation Targets? 	1 hr
6	CWIS Framework – Equity	<ul style="list-style-type: none"> • PowerPoint presentation on CWIS framework • PowerPoint presentation on equity – concept and measurement indicators • Video on 'Inclusive Sanitation - Faecal Sludge and Septage Management in Odisha' (https://www.youtube.com/watch?v=o-TAUEWUNw8) 	2 hr

		<ul style="list-style-type: none"> • A case of women entrepreneurs in Itahari • PowerPoint presentation on social and gender inclusion, behavior change and social mobilization • Experience of Faridpur Municipality on social mobilization, equitable service delivery, pit emptiers' cooperative formation and improvement of livelihood of pit emptiers • Group work on analysis of investment plan (at provincial/ municipal level) from equity perspective • PPT on analysis of investment plan (at provincial/ municipal level) from equity perspective • Group Discussion on equity indicators and relevant examples; identification of challenges on equity attainment and drawing plausible solutions for achievement of goals related to equity 	
7	CWIS Framework – Safety	<ul style="list-style-type: none"> • Video on 'waste workers' agonies • PowerPoint presentation on safety – concept and measurement indicators • PowerPoint presentation on financial safety along the sanitation service chain • PowerPoint presentation on environmental safety- the conventional and innovative technologies for safely managed sanitation along the sanitation service chain • PowerPoint presentation on occupational health and safety along the sanitation service chain <ul style="list-style-type: none"> ○ Health insurance of sanitation workers • Video on OHS by ENPHO • Video on 'PPEs and SWEEP Model' (https://drive.google.com/file/d/1m_hWtGse-qpMwLHj-F9srpzohJD72wYK/view or https://www.youtube.com/watch?v=gKGezmoL6gE) • Experience of Sakhipur/Saidpur City towards attainment of the safety indicators on CWIS • Example on local context- Video of WASH facility centre, Kirtipur • Analysis of investment plan at provincial and municipal level from safety perspective • Group Discussion on safety indicators and relevant examples; identification of challenges on safety attainment and drawing plausible solutions for achievement of goals related to safety 	2 hr
8	CWIS Framework – Sustainability	<ul style="list-style-type: none"> • PowerPoint presentation on Sustainability – concept and measurement indicators • PowerPoint presentation on importance of O&M and critical O&M requirements along the sanitation service chain 	2 hr

		<ul style="list-style-type: none"> • Experience of Kushtia City towards cost recovery and capex expansion • Group Discussion on sustainability indicators and relevant examples; identification of challenges on sustainability attainment and drawing plausible solutions for achievement of goals related to sustainability 	
9	CWIS Framework – Responsibility	<ul style="list-style-type: none"> • PowerPoint presentation on Responsibility – concept and measurement indicators • PowerPoint presentation on Responsibility – Deep Dive <ul style="list-style-type: none"> ➤ 5 models of responsibility traits with case examples and video ➤ key contributing factors for responsible authorities failing to execute their mandate ➤ private sector’s role in supporting execution of mandates include different stakeholders ➤ key issues in relation to responsibility and serving the poorest ➤ How does responsibility relate to accountability and resource planning and management? • Group Discussion on responsibility 	1 hr
10	CWIS Framework – Accountability	<ul style="list-style-type: none"> • PowerPoint presentation on Accountability – concept and measurement indicators • PowerPoint presentation on Accountability – Deep Dive <ul style="list-style-type: none"> ➤ Modelling accountability with responsibility – Who exactly is to be held accountable, by whom, for what, and how ➤ Group work: Design a responsibility & accountability matrix for your imaginary city ➤ Accountability in practice ➤ What upward accountability models are applicable to the main categories of service provider (national utility, subnational utility, local government) ➤ Specific accountability approaches for achieving safety and equity ➤ How can higher-level accountability be strengthened • Group Discussion 	1 hr
11	CWIS Framework – Resource Planning and Management	<ul style="list-style-type: none"> • PowerPoint presentation on Resource Planning & Management – concept and measurement indicators • PowerPoint presentation on Resource Planning & Management – Deep Dive <ul style="list-style-type: none"> ➤ Components of a Financing Framework for CWIS 	3 hr

		<ul style="list-style-type: none"> ➤ Common Gaps and Issues with Financing Frameworks ➤ Gaining a better understanding of the cost of CWIS ➤ Affordability remains a constraint to a balanced funding mix and viable service delivery ➤ Tax needs to make up a larger proportion of the funding mix ➤ Aligning incentives for investment in urban sanitation ➤ Using monitoring data to improve performance, drive investment and address inequality ➤ Service models and business models and PPP • Experience on setting and attainment of Resource Planning & Management indicators • Group Discussion 	
12	CWIS– Putting Everything All Together	<ul style="list-style-type: none"> • PowerPoint presentation on how the CWIS service functions will attain the CWIS outcomes and how the items of the whole matrix is interrelated with one another • Q/A and Plenary 	1 hr
13	CWIS Planning, Implementation, Monitoring, Evaluation and Evidence-based Decision Making	<ul style="list-style-type: none"> • PowerPoint presentation on CWIS sanitation situation assessment tools (SFD, Stakeholder Analysis and CSDA) • Q/A and Quiz/poll • PowerPoint presentation on implementation of the CWIS Plan and its monitoring & evaluation • Q/A and Plenary • PowerPoint presentation on Sanitation Project Monitoring with Evidence-based Decision-Making System – IMIS [Innovative Solutions] • Q/A and Plenary 	2 hr
13	Next Course of Actions	<ul style="list-style-type: none"> • Group work <ul style="list-style-type: none"> ○ How CWIS can be taken forward in context of SDG ○ Immediate action items with timelines 	1 hr
14	Closing Session	<ul style="list-style-type: none"> • Review of the training • Post assessment • Closing 	1 hr

Module 3: CWIS Oracle

Overview	
Purpose	<p>CWIS approach is new and is constantly updating with more information. As with the new concept and approach, capacity building on the topic is required for scaling and implementing such ideas. With this, enhancing capacity of a group of experts or WASH professionals might not be enough for the implementation of CWIS concept, but require cascading the information to the professionals at the implementation level.</p> <p>For the same, this module will enhance the knowledge and skills on CWIS and its implementation modality, to create a pool of trainers or a CWIS oracles who, further, will be responsible for the dissemination of knowledge through training delivery on CWIS, to next level of participants.</p>
Target Participants	<p>Primary:</p> <ul style="list-style-type: none"> Sanitation experts and professionals from government and private organization that are responsible for the dissemination of knowledge on CWIS <p>Secondary:</p> <ul style="list-style-type: none"> Public health engineers, environmental engineers, sanitation engineers, WASH engineers
Learning Outcome	<p>At the end of this module, the participants will be able to:</p> <ul style="list-style-type: none"> Deliver training on CWIS and implementation modality Cascading the CWIS knowledge and information
Mode of Delivery	<ul style="list-style-type: none"> Power-point presentations Q&A Group Activity Participatory and interactive activity Video Show – stories from the field
Duration	5 days

Key Contents			
S.N.	Sessions	Key components and themes	Est. time
1	Opening Session	<ul style="list-style-type: none"> • Introduction • Welcome and ice-breaking • Objective sharing • Agenda of the training • Pre-assessment 	1 hr
2	Sanitation and its linkages with Urban Development and Planning	<ul style="list-style-type: none"> • Urbanization • Sanitation in Urban Development and Planning • Urban Sanitation and Public Health • Global Sanitation Targets and Progress in Sanitation Coverage • Sustainable Sanitation practices for Urban Development • Cases- video on urbanization and urban sanitation (Contrast in sanitation services in urban context) • Open Discussion & Q/A 	1 hr
3	CWIS approach, its Principles and Frameworks for Sanitation Service Delivery	<ul style="list-style-type: none"> • Introduction to CWIS • Evolution of the Concept of CWIS • CWIS Principles and Framework • CWIS Requirements, Resources and Pertinence • CWIS in Nepal • Video on 'An Introduction to Citywide Inclusive Sanitation' • Open Discussion & Q/A 	1 hr
4	Linking CWIS to WASH Plan	<ul style="list-style-type: none"> • WASH plan • Link WASH plan to sanitation and CWIS 	1 hr
5	Existing Laws, Rules & Regulations – Global & National	<ul style="list-style-type: none"> • CWIS and SDG • Legal and policy provisions- Global and national context • Regulatory and institutional provision for sanitation services chain in Nepal <ul style="list-style-type: none"> ○ IRF for faecal sludge in Nepal • A Practical Example of Formulating Sanitation focused By-laws • Open Discussion: How Cities can attain the Sanitation Targets? 	1 hr
6	CWIS Framework – Equity	<ul style="list-style-type: none"> • PowerPoint presentation on CWIS framework • PowerPoint presentation on equity – concept and measurement indicators • Video on 'Inclusive Sanitation - Faecal Sludge and Septage Management in Odisha' 	2 hr

		<p>(https://www.youtube.com/watch?v=o-TAUEWUNw8)</p> <ul style="list-style-type: none"> • A case of women entrepreneurs in Itahari • PowerPoint presentation on social and gender inclusion, behavior change and social mobilization • Experience of Faridpur Municipality on social mobilization, equitable service delivery, pit emptiers' cooperative formation and improvement of livelihood of pit emptiers • Group work on analysis of investment plan (at provincial/ municipal level) from equity perspective • PPT on analysis of investment plan (at provincial/ municipal level) from equity perspective • Group Work: Setting equity indicators for the imaginary case city; identification of challenges on equity attainment at the imaginary case city and drawing plausible solutions; group presentations and Q/A 	
7	CWIS Framework – Safety	<ul style="list-style-type: none"> • Video on ‘waste workers’ agonies • PowerPoint presentation on safety – concept and measurement indicators • PowerPoint presentation on financial safety along the sanitation service chain • PowerPoint presentation on environmental safety- the conventional and innovative technologies for safely managed sanitation along the sanitation service chain • PowerPoint presentation on occupational health and safety along the sanitation service chain <ul style="list-style-type: none"> ○ Health insurance of sanitation workers • Video on OHS by ENPHO • Video on ‘PPEs and SWEEP Model’ (https://drive.google.com/file/d/1m_hWtGse-qpMwLHj-F9srpzohJD72wYK/view or https://www.youtube.com/watch?v=gKGezmoL69E) • Experience of Sakhipur/Saidpur City towards attainment of the safety indicators on CWIS • Example on local context- Video of WASH facility centre, Kirtipur • Analysis of investment plan at provincial and municipal level from safety perspective • Group Work: Setting safety indicators for the imaginary case city; identification of challenges on equity attainment at the imaginary case city and drawing plausible solutions 	2 hr
8	CWIS Framework – Sustainability	<ul style="list-style-type: none"> • PowerPoint presentation on Sustainability – concept and measurement indicators 	2 hr

		<ul style="list-style-type: none"> • PowerPoint presentation on importance of O&M and critical O&M requirements along the sanitation service chain • Experience of Kushtia City towards cost recovery and capex expansion • Group Work: Setting sustainability indicators for the imaginary case city; identification of challenges on equity attainment at the imaginary case city and drawing plausible solutions 	
9	CWIS Framework – Responsibility	<ul style="list-style-type: none"> • PowerPoint presentation on Responsibility – concept and measurement indicators • PowerPoint presentation on Responsibility – Deep Dive <ul style="list-style-type: none"> ➢ 5 models of responsibility traits with case examples and video ➢ key contributing factors for responsible authorities failing to execute their mandate ➢ private sector’s role in supporting execution of mandates include different stakeholders ➢ key issues in relation to responsibility and serving the poorest ➢ How does responsibility relate to accountability and resource planning and management • Group Work: Setting responsibility indicators for the imaginary case city; identification of challenges on equity attainment at the imaginary case city and drawing plausible solutions 	3 hr
10	CWIS Framework – Accountability	<ul style="list-style-type: none"> • PowerPoint presentation on Accountability – concept and measurement indicators • PowerPoint presentation on Accountability – Deep Dive <ul style="list-style-type: none"> ➢ Modelling accountability with responsibility – Who exactly is to be held accountable, by whom, for what, and how ➢ Group work: Design a responsibility & accountability matrix for your imaginary city ➢ Accountability in practice ➢ What upward accountability models are applicable to the main categories of service provider (national utility, subnational utility, local government) ➢ Specific accountability approaches for achieving safety and equity ➢ How can higher-level accountability be strengthened • Group Work: Setting accountability indicators for the imaginary case city; identification of challenges on equity attainment at the imaginary case city and drawing plausible solutions 	3 hr

11	CWIS Framework – Resource Planning and Management	<ul style="list-style-type: none"> • PowerPoint presentation on Resource Planning & Management – concept and measurement indicators • PowerPoint presentation on Resource Planning & Management – Deep Dive <ul style="list-style-type: none"> ➤ Components of a Financing Framework for CWIS ➤ Common Gaps and Issues with Financing Frameworks ➤ Gaining a better understanding of the cost of CWIS ➤ Affordability remains a constraint to a balanced funding mix and viable service delivery ➤ Tax needs to make up a larger proportion of the funding mix ➤ Aligning incentives for investment in urban sanitation ➤ Using monitoring data to improve performance, drive investment and address inequality ➤ Service models and business models and PPP • Experience on setting and attainment of Resource Planning & Management indicators • Group Work: Setting Resource Planning & Management indicators for the imaginary case city; identification of challenges on equity attainment at the imaginary case city and drawing plausible solutions 	3 hr
12	CWIS– Putting Everything All Together	<ul style="list-style-type: none"> • PowerPoint presentation on how the CWIS service functions will attain the CWIS outcomes and how the items of the whole matrix is interrelated with one another • Q/A and Plenary 	1 hr
13	CWIS Planning, Implementation, Monitoring, Evaluation and Evidence-based Decision Making	<ul style="list-style-type: none"> • PowerPoint presentation on CWIS sanitation situation assessment tools (SFD, Stakeholder Analysis and CSDA) • Q/A and Quiz/poll • PowerPoint presentation on implementation of the CWIS Plan and its monitoring & evaluation • Q/A and Plenary • PowerPoint presentation on Sanitation Project Monitoring with Evidence-based Decision-Making System – IMIS [Innovative Solutions] • Q/A and Plenary 	2 hr
13	Next Course of Actions	<ul style="list-style-type: none"> • Group work <ul style="list-style-type: none"> ○ How CWIS can be taken forward in context of SDG ○ Immediate action items with timelines 	1 hr

14	Delivering the Training	<ul style="list-style-type: none"> • Group work- expert presentation vs. facilitation • Challenges of expert presentation and ways to mitigate <ul style="list-style-type: none"> ○ Time management, ○ Focus on key message ○ Chunking information ○ Ensure key messages is grabbed by participants • Power point Presentation – making it interesting • Practicing the delivery skills in groups 	4-5 hrs
15	Closing Session	<ul style="list-style-type: none"> • Review of the training • Post assessment • Closing 	1 hr

Module 4: Intro to CWIS

Overview	
Purpose	CWIS is a new approach in sanitation sector. With the frequent update on the topic, sanitation professionals need to update on the new ideas as CWIS itself. Limited numbers of sanitation experts is not enough to bring the desired change in sanitation. To this, following all the resource materials and updating might not be feasible for all professionals. This training package, hence, look forward to training delivery to the professionals engaged at the implementation level for the smooth implementation of the CWIS. The resource person or the sanitation experts with the ToT level of training is expected to deliver this training packages to the targeted audiences.
Target Participants	Primary: <ul style="list-style-type: none"> • Engineers engaged at municipalities, Sanitation professionals from government and private organization that are responsible for the CWIS implementation Secondary: <ul style="list-style-type: none"> • Public health engineers, environmental engineers, sanitation engineers
Learning Outcome	At the end of this module, the participants will be able to: <ul style="list-style-type: none"> • Incorporate CWIS into the plans and implement it
Mode of Delivery	<ul style="list-style-type: none"> • Power-point presentations • Q&A • Group Activity • Participatory and interactive activity • Video Show – stories from the field
Duration	3 days

Key Contents			
S.N.	Sessions	Key components and themes	Est. time
	Training Introduction	<ul style="list-style-type: none"> • Introduction with ice-breaker • Objective sharing • Expectation collection • Pre-test 	1 hr
1	Context setting and intro to CWIS approach, its Principles and Frameworks for Sanitation Service Delivery	<ul style="list-style-type: none"> • Sanitation movement in Nepal • Legal provisions related to urban sanitation • Current sanitation practices • Introduction to CWIS • CWIS Principles and Framework • Video on 'An Introduction to Citywide Inclusive Sanitation' • CWIS perspective in sanitation service chain • Open Discussion & Q/A 	1.5 hr
2	Urban sanitation options	<ul style="list-style-type: none"> • Sanitation service chain • Sewered and non-sewered sanitation • Components of sanitation service chain • Analysing sanitation service chain through CWIS perspective • Transformative technologies • Open Discussion & Q/A 	2 hr
3	Enabling environment: Legal and Institutional Framework	<ul style="list-style-type: none"> • Enabling Environment • Importance of FSM Policy Framework and Institutional Arrangements • Legal and policy provisions • Regulatory provision across sanitation service chain in Nepal • Analysing existing legal and policy provisions through CWIS perspective • A Practical Example of Formulating Sanitation focused By-laws • Open Discussion: How Cities can attain the Sanitation Targets? 	1 hr
4	CWIS service outcome– Equity	<ul style="list-style-type: none"> • Equity – concept and measurement indicators • Problem and issues related to Equity in sanitation • Presentation on social and gender inclusion, behavior change and social mobilization • Group Work: Analysing case through equity perspective- identification of challenges on equity attainment and drawing plausible solutions; • Group activity and Q/A 	1.5 hr

5	CWIS service outcome – Safety	<ul style="list-style-type: none"> • Safety – concept and measurement indicators • Public Health and Safety • Environmental Safety • Financial Safety • Occupational Health and Safety (OHS) for Sanitation Workers • Videos on ‘waste workers’ agonies • Group Work: Setting safety indicators for the given case scenario; identification of challenges on equity attainment at the imaginary case city and drawing plausible solutions 	2 hr
6	CWIS service outcome – Sustainability	<ul style="list-style-type: none"> • Sustainability – concept and measurement indicators • Present scenario of sanitation services/facilities • Reasons behind the unsustainable sanitation services/facilities • Interventions for sustainable sanitation service <ul style="list-style-type: none"> ○ Equitable Sanitation Service ○ Safe Sanitation Service ○ Responsible Stakeholders ○ Accountable Stakeholders ○ Proper Resource Planning and Management • Group Work and Q & A 	2 hr
7	CWIS system function – Responsibility and accountability	<ul style="list-style-type: none"> • Understanding Responsibility – Concept and measurement indicators • Responsibility and Accountability of different entities in the Sanitation Value Chain • Role of private sector • Responsibility and service delivery to the poor • How does responsibility relate to accountability and resource planning • Group Work: Setting responsibility indicators for the imaginary case city; identification of challenges on equity attainment at the imaginary case city and drawing plausible solutions 	3 hr
9	CWIS system function – Resource Planning and Management	<ul style="list-style-type: none"> • Presentation on Resource Planning & Management – concept and measurement indicators • Indicators – National and City Level • Financing framework development • N-WASH plan and its component • Components of CWIS financing framework • Financing flows of municipality • Financial flow throughout SSC and gap identification • WASH financial strategy planning • Common Gaps and Issues with Financing Frameworks • Group Works and Q&A 	3 hr

10	Monitoring Mechanism and Site Visit	<ul style="list-style-type: none"> • Monitoring (What does it mean?) • When to carry on monitoring? • Guide on the Site visit • Site visit and evaluation • Presentation of the findings from site visit • Q/A and Plenary 	3 hr
11	Applying CWIS Lens and Next Course of Actions	<ul style="list-style-type: none"> • Group work: Given case scenario • Presentation and discussion • Way forward/ what is next? • Immediate action items 	1 hr
12	Training Closing	<ul style="list-style-type: none"> • Training remarks from participants • Post-test • Training evaluation 	1 hr

Module 5: Monitoring Mechanism

Overview	
Purpose	<p>There are various examples of simple preventable mistakes that are causing a huge resource. If a problem is sort out on time, it may save a lot of extra work later and this is possible with a proper monitoring mechanism in place. Assessing the activities in each level for the effective implementation and timely improvements along with the well-defined roles and responsibilities of stakeholders is the core purpose of the monitoring mechanism.</p> <p>This module will support to achieve the same purpose of monitoring in context of CWIS implementation. The monitoring mechanism defined in the module will support the effective implementation of CWIS.</p> <p>Along with it, this module will also support for the replication of implementation modality on CWIS.</p>
Target Participants	<p>Primary:</p> <ul style="list-style-type: none"> • Ministers at provincial level and central level organization’s head (Development partners, Academic Institutions) and sanitation experts and professionals <p>Secondary:</p> <ul style="list-style-type: none"> • Government decision makers, administration officials, head of departments, focal person of different theme
Learning Outcome	<p>At the end of this module, the participants will be able to:</p> <ul style="list-style-type: none"> • Discuss the reporting and monitoring mechanism for CWIS implementation • List the indicators for monitoring of CWIS
Mode of Delivery	<ul style="list-style-type: none"> • Power-point presentation • Cases of CWIS monitoring and reporting mechanism • Discussion and interaction
Duration	2.5 hour

Key Content			
S.N.	Session	Key components and themes	Est. Time
1	Opening Session	<ul style="list-style-type: none"> • Introduction • Objective sharing of the orientation 	30 mins
2	Monitoring mechanism and roles of stakeholders	<ul style="list-style-type: none"> • Define/ clarify the monitoring mechanism- <ul style="list-style-type: none"> ○ overall concept of mechanism at national level - Who is responsible for monitoring? (N-WASH) - Who is liable for the reporting on CWIS implementation (regulatory body and framework) - Process and frequency Roles of stakeholders 	1 hr
3	Indicators	<ul style="list-style-type: none"> • Monitoring indicators for the CWIS implementation 	30 mins
4	Wrap up session and Closing	<ul style="list-style-type: none"> • Wrap up the discussion of the orientation • Closing of the orientation 	30 mins

Module 6: Design Training of FSTP (a technical package)

Overview	
Purpose	FSM is a huge component of the CWIS implementation and the technical knowledge on FSM along with the design and operation and maintenance of FSTP are the key for the proper CWIS implementation. Hence, the package focuses on the technical information related to the FSM, that is, from choosing the best option for collection of FS, to selecting the appropriate technology for FS transportation, to identifying the most effective FS treatment technology and designing it for the given context.
Target Participants	<p>Primary:</p> <ul style="list-style-type: none"> Engineers engaged at municipalities and private organization that are responsible for designing the FSTP and/or approving the design of the same <p>Secondary:</p> <ul style="list-style-type: none"> Private consultants
Learning Outcome	<p>At the end of this module, the participants will be able to:</p> <ul style="list-style-type: none"> Select the most appropriate FSTP Verify the design of the FSTP Create an O&M plan for sustainability of the FSTP
Mode of Delivery	<ul style="list-style-type: none"> Power-point presentations Hands on exercise Q&A Group Activity Participatory and interactive activity Site visit
Duration	5-6 days

Key Contents			
S.N.	Sessions	Key components and themes	Est. time
1	Characterization of FS	<ul style="list-style-type: none"> • How is FS different from sewage • Characteristics of FS – range • Sampling of FS for analysis • Lab analysis methods for parameters • Standards for treated water and solids 	1 hr
2	Treatment objective	<ul style="list-style-type: none"> • Solid liquid separation • Dewatering • Liquid treatment • Stabilization • Pathogen removal 	1 hr
3	Quantification of FS and Case study	<ul style="list-style-type: none"> • How to estimate FS quantity • Methods of Quantification • Estimation of FS volume for a given case study (hands on Exercise to understand the activity of quantification from a specific Nepalese context) 	1 hr 30 mins
4	Nature based FS treatment technologies	<ul style="list-style-type: none"> • Understanding of the Treatment units/processes involved in a nature-based treatment system (An example case study: Lubhu / Shreekhandaipur Kavre FSTP) • Case study – Videos on Nature based FSTP model in India • Understanding Various treatment combinations for nature-based system • Rationale for selecting and sequencing treatment modules • Operational requirements of such modules 	1 hr 30 mins
5	Design of unplanted SDB (Hands on exercise)	<ul style="list-style-type: none"> • Principles and components • Treatment process • Design calculations 	1 hr 30 mins
6	Design of Anaerobic digestion tanks (hands on exercise)	<ul style="list-style-type: none"> • Principles and components • Treatment process • Design calculations 	1 hr 30 mins
7	Design of planted SDB (hands on exercise)	<ul style="list-style-type: none"> • Design principles of PSDBs • Treatment mechanisms of PSDBs • Factors affecting the performance of PSDBs • Components of PSDB design • Details of PSDB design 	2 hr
8	Virtual tour of Lubhu FSTP	<ul style="list-style-type: none"> • Technical briefing • Observation of the system • Interaction with the operator 	3 hrs

9	Introduction to electro-mechanical FS treatment systems	<ul style="list-style-type: none"> • Different mechanisms available for Dewatering (emphasis on technologies applicable to Nepal Context) • Key highlights of the different mechanisms based on experiences outside the country • Pros and cons of each mechanism to help better understanding 	1 hrs
10	Design of electro-mechanical FS treatment systems	<ul style="list-style-type: none"> • Activity-Screw press and High rate Anaerobic digesters (Hands on Exercise) 	2 hrs
11	Overview of liquid treatment technology options	<ul style="list-style-type: none"> • Different technologies available and their pros and cons 	1 hr 30 mins
12	FSTP site selection criteria, layout and planning	<ul style="list-style-type: none"> • Understanding the design concept and Hydraulic designs • Approaches for planning a faecal sludge treatment facility • Access road requirements for easy operation and maintenance • • Receiving station/s • Other necessary/ancillary components of FSTP 	2 hr
13	Costing, construction and commissioning of FSTP	<ul style="list-style-type: none"> • Resource requirement assessment to guide costing • Cost estimation assessments based on discussed designs • Construction stages and requirements • Site supervision – quality control and quality assurance • Commissioning of FSTP • Post implementation monitoring of FSTP • Environmental compliance and legislation in Nepal for regulating FSTPs. 	2 hrs
14	Operation and maintenance of FSTP	<ul style="list-style-type: none"> • Setting Context for O&M • Sanitation Safety Planning (SSP) • Required operational staff; Skill Requirements and Job Descriptions • Operations activities at FSTP • Housekeeping at FSTP 	2 hrs 30 mins
15	Routine maintenance of	<ul style="list-style-type: none"> • Equipment Repair and Maintenance 	2 hrs

	FSTP and challenges in O&M of FSTPs	<ul style="list-style-type: none"> ○ Daily and routine maintenance of FSTP (e.g. filter media replacement, desludging of modules) ○ Greasing and corrosion treatment ● Inspection of equipment and FSTP system <ul style="list-style-type: none"> ○ Motor, pumps, Valves, electrical components ○ Roofs of drying beds ○ Ventilation and blower systems ○ The exhaust system in mechanical drying units. ○ Dosing systems and stirring units ● Replacing equipment and reporting ● Conducting routine maintenance of all components (Module wise) 	
16	FSM modelling group activity and case study	<ul style="list-style-type: none"> ● Case study ● Group activity 	2 hrs 30 mins
17	Integrated planning approach for sustainability	<ul style="list-style-type: none"> ● Linking to CWIS and its components ● FIETS model for sustainability approach using Devanhalli FSTP ● Life cycle cost and cost recovery plan ● Institutional arrangements, compliances ● Technological sustainability and social sustainability 	2 hrs
18	Bidding for FSTP	<ul style="list-style-type: none"> ● Understanding CWIS concepts and tools for bid ● Practice bidding for FSTP with a case 	(Optional session for private consultants)

Module 7: Design Training of DEWATS

Overview	
Purpose	<p>With the limitations of the conventional sanitation systems and approaches, new approaches are being focused and implemented. One of such limitation of the conventional sanitation system is the accessibility to all the denizens of the area. The conventional, centralized system is appropriate for the coverage of the certain area only, while for the hundred per cent coverage the decentralized systems are highlighted. This is either of the cost benefit analysis or of the technical constraints or of the involvement of wide range of the stakeholders making them accountable for the proper operation of the system.</p> <p>Hence, the concept of decentralized waste water treatment system (DEWATS) comes into existence and this particular package focus on the design training of such DEWATS.</p>
Target Participants	<p>Primary:</p> <ul style="list-style-type: none"> • Engineers engaged at municipalities and private organization that are responsible for designing the FSTP and/or approving the design of the same <p>Secondary:</p> <ul style="list-style-type: none"> • Private consultants
Learning Outcome	<p>At the end of this module, the participants will be able to:</p> <ul style="list-style-type: none"> • Identify various DEWATS technology for the proper management of FSM •
Mode of Delivery	<ul style="list-style-type: none"> • Power-point presentations • Participatory and interactive activity • Q&A
Duration	4 days

Key Content			
S.N.	Session	Key components and themes	Est. Time
1.	Intro to water, wastewater and its characteristics	<ul style="list-style-type: none"> • Introduction to water consumption and wastewater • Wastewater generation and management scenario in Nepal • Types of wastewater • Wastewater characteristics- physical, chemical and biological • Q&A and interaction 	1.5 hr
2.	Wastewater treatment approaches	<ul style="list-style-type: none"> • Objectives of wastewater treatment • Wastewater composition • Principles of treatment • Treatment methods • Treatment technologies • Decentralised wastewater treatment 	1 hr
3.	DEWATS principles and modules	<ul style="list-style-type: none"> • DEWATS approach <ul style="list-style-type: none"> ○ Decentralization ○ Simplification ○ Conservation/ recycling • DEWATS technology • DEWATS modules • Treatment efficiency and investment costs • Comparison- centralised and decentralised system • DEWATS in urban planning 	1.5 hr
4.	DEWATS design parameters	<ul style="list-style-type: none"> • Dimensioning parameter • Additional design parameter • Design description of DEWATS modules <ul style="list-style-type: none"> ○ Design of settlers ○ Design of baffle reactor ○ Design of anaerobic filter ○ Design of planted gravel filter ○ Design of polishing pond 	1 hr
5.	Design of primary treatment- Settler	<ul style="list-style-type: none"> • Objectives of primary treatment (settler) • Parameters to design • Calculation factors • Hands on practice- calculation <ul style="list-style-type: none"> ○ Removal of organic pollutants (BOD and COD) ○ Determination of sludge storage volume 	1.5 hr

		<ul style="list-style-type: none"> ○ Determination of chamber sizes 	
6.	Design of secondary treatment modules	<ul style="list-style-type: none"> ● Objectives of secondary treatment (ABR and AF) ● Parameters to design ● Calculation factors ● Rules of thumbs ● Hands on practice- calculation <ul style="list-style-type: none"> ○ Hydraulic: chamber size and number of chambers ○ Biological: sludge storage volume ○ Biological: remove of organic pollutants 	1.5 hrs
7.	Design of tertiary treatment modules	<ul style="list-style-type: none"> ● Objectives of tertiary treatment (HPGF and polishing pond) ● Parameters to design ● Calculation factors ● Rules of thumbs ● Hands on practice- calculation <ul style="list-style-type: none"> ○ Biological requirements ○ Hydraulic requirements ○ Dimensional requirements ○ Cross-checks 	1.5 hrs
8.	DEWATS feasibility-essential requirements	<ul style="list-style-type: none"> ● Importance of feasibility study ● Data collection <ul style="list-style-type: none"> ○ Source, ○ Conveyance ○ Survey for preparation of contour map ○ Treatment ○ Availability of land for construction ○ Disposal and reuse ● Operation and maintenance 	1 hr
9.	DEWATS construction, commissioning and operation and maintenance	<ul style="list-style-type: none"> ● Construction requirements ● Construction of DEWATS modules <ul style="list-style-type: none"> ○ Settler ○ ABR ○ AF ○ Planted Gravel Filter ○ Pond ● Construction Supervision ● Commissioning process and tests ● Monitoring the performance ● Operation and maintenance activities 	1.5 hrs

10.	Sectors of applications and City Sanitation Plan	<ul style="list-style-type: none"> • DEWATS in various sectors • Prefabricated DEWATS • Concept on city sanitation plan • Methodology • Sanitation mapping and analysis 	1.5 hrs
11.	FSM overview-relevance and value chain	<ul style="list-style-type: none"> • Intro to FSM • Opportunities • Problems • Solutions 	1 hr
12.	Understanding FS characteristics	<ul style="list-style-type: none"> • What is FS? • FS quantification • Influencing factors on FS characteristics • FS characteristics and fractionation 	1 hr
13.	Overview of treatment technologies	<ul style="list-style-type: none"> • Objective of FS treatment • Treatment options • Integrated FS treatment system 	1 hr
14.	Site visit	<ul style="list-style-type: none"> • Site visit and observation of components of DEWATS • Discussion and debrief 	1 day

Module 8: Operation and Maintenance of FSTP

Overview	
Purpose	<p>Whilst infrastructure development is a key component of the FSM service delivery chain, sustainability largely depends on ensuring appropriate O&M approaches are adopted by the plant operators.</p> <p>This training aims at strengthening public sector engineers' understanding of the important operation and maintenance (O&M) aspects of FSTP.</p> <p>This module covers the operation, maintenance, and monitoring requirements and related financial requirements of different FS treatment technologies. It explains key parameters that need to be monitored and optimized to ensure treatment efficiency. It also covers health and environmental risks, mitigation measures, and compliance with risk management; and presents the importance of monitoring activities and why they are crucial for the long-term successful operation of the treatment systems.</p> <p>This module also covers the municipal regulations and the importance of compliance with the pollution norms.</p>
Target Participants	<p>Primary:</p> <ul style="list-style-type: none"> • Engineers engaged at municipalities and private organization that are responsible for designing the FSTP and/or approving the design of the same <p>Secondary:</p> <ul style="list-style-type: none"> • Private consultants
Learning Outcome	<p>At the end of this module, the participants will understand:</p> <ul style="list-style-type: none"> - Key requirements for monitoring the FSTP operations, truck operations, and oversee the performance of private operators - The Economics of FSTP operations (Treatment cost, Operation cost, PPE, Repair and Maintenance cost) <p>How to identify key risks and challenges and plan suitable mitigation strategies accordingly</p>
Mode of Delivery	<ul style="list-style-type: none"> • Power-point presentations • Documentary show • Participatory and interactive activity
Duration	2 days

Key Content			
S.N.	Session	Key components and themes	Est. Time
1.	Introduction to FSTP- operation and maintenance	<ul style="list-style-type: none"> • Setting Context for O&M • Sanitation Safety Planning (SSP) <ul style="list-style-type: none"> • Required operational staff; Skill Requirements and Job Descriptions 	1 hr 30 mins
2.	Operations activities at FSTP-I	<ul style="list-style-type: none"> • • Preparatory activities for FS delivery <ul style="list-style-type: none"> ○ Coordination between FSTP and Desludging truck drivers ○ Preparation for onsite testing and sample collection. • Receiving FS at the FSTP <ul style="list-style-type: none"> ○ Onsite – Testing for delivered FS ○ Screening and removal of solid waste ○ Management of solid waste onsite • Planning of FSTP modules Operation (Planted Drying Bed (PDB), Sludge Drying Bed (SDB), Anaerobic Stabilization tank, Mechanical dewatering units, Liquid treatment units – Nature-based and conventional system) suitable for Nepal context <ul style="list-style-type: none"> ○ Sludge disposal and generation ○ FS supernatant (liquid stream) disposal and disinfection ○ Operational decision making • Equipment used at FSTP for the technology and processes selected (Tools and Devices) • Sampling and analysis/testing of FS and dried biosolids at FSTP (Parameters to be analyzed) <ul style="list-style-type: none"> • 	2 hrs
3.	Operation activities at FSTP II	<ul style="list-style-type: none"> • Housekeeping at FSTP <ul style="list-style-type: none"> ○ Harvesting plants at PGF, ○ Sludge harvesting from dewatering and drying units, ○ Spill management during regular operations, ○ Sludge storage, ○ Stock management for consumables 	2 hrs

		<ul style="list-style-type: none"> ○ Fly control and drainage maintenance ● Onsite records maintenance (Responsibility of Operator): <ul style="list-style-type: none"> ○ Maintaining Lab Test records and Sample details ○ Daily and routine monitoring of FSTP ○ Management of log sheet for regular maintenance activities ○ Issues reporting and FSTP 	
4.	Routine maintenance at FSTP	<ul style="list-style-type: none"> ● Equipment Repair and Maintenance <ul style="list-style-type: none"> ○ Daily and routine maintenance of FSTP (e.g. filter media replacement, desludging of modules) ○ Greasing and corrosion treatment ● Inspection of equipment and FSTP system <ul style="list-style-type: none"> ○ Motor, pumps, Valves, electrical components ○ Roofs of drying beds ○ Ventilation and blower systems ○ The exhaust system in mechanical drying units. ○ Dosing systems and stirring units ● Replacing equipment and reporting <p>Conducting routine maintenance of all components (Module wise)</p>	2 hrs
5.	Risks and risk mitigation measures of FSTP O&M	<ul style="list-style-type: none"> ● DO's and Don'ts of Septic tank emptying at site ● Do's and Don'ts while transporting FS to FSTP ● Do's and Don'ts at FSTP while unloading ● Do's and Don'ts of FSTP O&M, for example: <ul style="list-style-type: none"> ○ PPE requirements ○ Spill control measures and its management ○ Testing and safety precautions required while handling by-products. ○ Proper disposal of FS and disposal sites 	1 hr
6.	Monitoring and evaluation	<ul style="list-style-type: none"> ● Understand the requirements of a good M&E framework 	45 mins

		<ul style="list-style-type: none"> FSM performance indicators and linking them to existing benchmarks-water & sanitation 	
7.	Challenges in O&M of FSTP	<ul style="list-style-type: none"> Risks in FSTP operations and strategies to overcome the same, through examples of operational plants 	45 mins
8.	FSM modelling – group activity	<ul style="list-style-type: none"> Cost estimation for O&M of FSTP. <ul style="list-style-type: none"> Estimating the FSTP O&M cost components - Fuel cost, Repair, PPE, Recurring cost for consumables required for Treatment, HR cost, etc. Sustainability of FSM operations – Total O&M and Individual contribution to O&M cost of various factors discussed above. 	2 hrs
9.	Cases studies from successful model of FSM	<ul style="list-style-type: none"> Case studies from other countries focusing on O&M related issues. 	1 hr

Module 9: Hands on Training on Septic Tank Construction for Masons

Overview	
Purpose	<p>A properly constructed septic tank works efficiently as a primary treatment facility in the whole sanitation service chain. However, in the lack of proper construction of such facility, such primary treatment does not take place as expected. Hence, the proper construction of the septic tank is necessary for the efficient use of the tank as a primary treatment.</p> <p>Hence, the module focuses on the proper construction of the septic tank by enhancing the capacity of the masons that are responsible for the construction of it. This module focuses on the design and construction of a septic tank, common mistakes and things to consider while constructing a septic tank with a practical session.</p>
Target Participants	<p>Primary:</p> <ul style="list-style-type: none"> • Masons working in a local area for the construction of building and septic tanks
Learning Outcome	<p>At the end of this module, the participants will understand:</p> <ul style="list-style-type: none"> - Understand the facts and importance of proper construction of a septic tank - Explain common mistakes and things to consider while constructing a septic tank - Construct a proper septic tank
Mode of Delivery	<ul style="list-style-type: none"> • Power-point presentations • Documentary show • Hands on practice of septic tank construction
Duration	5 - 6 hours

Key Contents			
S.N.	Sessions	Key components and themes	Est. time
1	Faecal sludge management and Sanitation service chain	<ul style="list-style-type: none"> Faecal sludge, Faecal Sludge Management Sanitation Service Chain 	45 mins
2	Septic tank	<ul style="list-style-type: none"> What is a proper septic tank? What are the current issues related to septic tank? What are the impacts of such issues? Common mistakes while constructing septic tank Things to consider while constructing septic tank 	1 hr
3	Design and construction of septic tank- Hands on practice	<ul style="list-style-type: none"> Hands on practice of septic tank construction Debriefing experiences 	3 to 4 hrs

Module 10: Orientation on Occupational Health and Safety

Overview	
Purpose	<p>One of the key component of CWIS is safety and it means the safety for all, including the personnel engaged in the sanitation service provision, the sanitation workers. As one of the major duty-bearers for maintaining a healthy and clean environment for city dwellers, sanitation and waste workers come across different people, households, roads, hospitals, and other institutions during their services. Unfortunately, they are socially and economically marginalized, living in congested colonies, slums or low-income informal settlements with limited access to basic services. Given the nature of their work and their living conditions, they are at high risk of becoming infected by various infectious diseases. Without regular and dedicated service from the workers, it will be nearly impossible for city authorities to maintain their support mechanisms. Ensuring the health and safety of these workers and their families is crucial for cities to continue their services</p> <p>Based on same understanding, the module focuses to mitigate the knowledge and practice gap and inspire the sanitation workers to adopt good hygiene practices during service delivery.</p>
Target Participants	<p>Primary:</p> <ul style="list-style-type: none"> • Sanitation workers
Learning Outcome	<p>At the end of this module, the participants will be able to:</p> <ul style="list-style-type: none"> • Sensitize on the use of PPE for the infection prevention and control •
Mode of Delivery	<ul style="list-style-type: none"> • Power-point presentations • Participatory and interactive activity • Q&A
Duration	4.5 hrs

Key Content			
S.N.	Session	Key components and themes	Est. Time
1.	Waste, hygiene and role of sanitation workers	<ul style="list-style-type: none"> • Explain the concept of waste and hygiene • Classify types of waste • Role of sanitation workers in maintaining hygiene of the community 	45 mins
2	Occupation health and Disease transmission	<ul style="list-style-type: none"> • Describe occupational health • Describe how most of the infectious diseases are spread • Identify what types of health threats workers face 	45 mins
3	Importance of maintaining hygiene	<ul style="list-style-type: none"> • Identify the correct ways of hand washing with soap • Explain importance of hand washing and maintaining hygiene • Describe self-hygiene practice after coming from work 	45 mins
4	Importance of PPE	<ul style="list-style-type: none"> • Identify the advantages and disadvantages of PPE • Explain the role of safety gears along with hand hygiene as a multi-barrier approach in reducing disease transmission 	1 hr
5	Correct usage of PPE and cleaning of PPE	<ul style="list-style-type: none"> • Explain the purpose of each piece of safety gear • Predict outcomes of improperly worn PPE • Explain the proper ways of cleaning PPE 	1 hr

Module 11: Customize package on FSM tools

Overview	
Purpose	<p>Any FSM tool helps to assess the overall FSM ecosystem in the city and plan for infrastructure improvements. Use of such tools supports in the proper design and implementation of FSM infrastructure or improvement of the existing one.</p> <p>This module focuses on such FSM tools or any specific tool, that support to design and implement any sanitation projects or programs. This module highlight the specific FSM tool as per the need or context of the city or the participants.</p>
Target Participants	<p>Primary:</p> <ul style="list-style-type: none"> • Engineers engaged at municipalities and private organization <p>Secondary:</p> <ul style="list-style-type: none"> • Private consultants, environmental engineers, public health engineers
Learning Outcome	<p>At the end of this module, the participants will understand:</p> <ul style="list-style-type: none"> - Criteria and scope of the specific FSM tool - How to use the FSM tool for assessment
Mode of Delivery	<ul style="list-style-type: none"> • Power-point presentations • Hands on practice of the specific tool
Duration	As per requirement

Module 12: Customize package on specific design of FSTP

Overview	
Purpose	<p>Faecal sludge management is one of the prominent solutions in sanitation sector. In the sector of sanitation, specifically for the management of wastewater and the faecal sludge, various options of FSTPs are available. Among those available options, knowledge on specific design of FSTP as per context, available resources, criteria, and scope of use is required for the implementation of the same.</p> <p>Thus, the module focuses on such specific design of FSTP that are relevant to the context. As per the requirements, specific design will be selected and thus the content is developed and delivered.</p>
Target Participants	<p>Primary:</p> <ul style="list-style-type: none"> • Engineers engaged at municipalities and private organization that are responsible for designing the FSTP and/or approving the design of the same <p>Secondary:</p> <ul style="list-style-type: none"> • Private consultants
Learning Outcome	<p>At the end of this module, the participants will understand:</p> <ul style="list-style-type: none"> - Design the specific FSTP - Criteria and scope of use of such FSTP - Hands on calculation and practice of design of such FSTP
Mode of Delivery	<ul style="list-style-type: none"> • Power-point presentations • Documentary show • Participatory and interactive activity • Hands on practice
Duration	As per requirement