



Strengthening of Public Data Systems for Sanitation in Bangladesh (SPDSSB)

Consultation Workshop on DMF Dataflow System Integration Architecture Design

Date: 26th November 2025

Time: 10:00 am - 4:00 pm

Venue: CWIS FSM Support Cell, DPHE

Organizer: DPHE & a2i, ICT Division, Bangladesh

Under the programme “Strengthening of Public Data Systems for Sanitation in Bangladesh”, a2i, in collaboration with the Department of Public Health Engineering, Gates Foundation, and Global Water & Sanitation Center (GWSC) at the Asian Institute of Technology, Thailand, is working to enable evidence-based decision-making culture on sanitation for fostering SDGs implementation in Bangladesh. During this project phase, a2i will develop a national data core registry for sanitation in consultation with relevant government and non-government organisations. The National Data Core Registry (NDCR) will serve as the digital infrastructure that interconnects all sanitation-related services across various government agencies, including LGIs. It will function as a unified directory and a centralized communication hub, ensuring that disparate systems maintain semantic interoperability and facilitate the secure exchange of data. Given that, field visits, a series of consultation sessions, and meetings have been conducted with DPHE, municipalities, technical partners, etc., for identifying the requirements of a national data core registry.

In this context, requirements have been collected from 21 government agencies and LGIs who has been identified as data providers in the final sanitation data management framework. It has been identified that out of 21 government agencies, 10 government agencies have 19 different systems through which 20 unique indicators data are managed and can be integrated with the national data core registry to ensure data availability and secure data exchange.

Therefore, it is essential to design an integration architecture of 20 indicators data flow in national data core registry in alignment with the sanitation data management framework in collaboration with 10 government agencies and development partners.

As part of designing this architecture with the government agencies and LGIs associated with sanitation, a2i, and DPHE are jointly organising a consultation workshop.

Purpose: The primary purpose of this consultation workshop is to design an integration architecture of 20 indicators data flow in the national data core registry in alignment with the sanitation data management framework in collaboration with 10 government agencies and development partners.

The Details of the workshop are as follows:

Date: Wednesday, 26th November 2025

Time: 10:00 am - 4:00 pm

Venue: CWIS FSM Support Cell, DPHE, Dhaka



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Stakeholders/Partners/Participants

The associated stakeholder organizations will participate in the workshop along with development partners.

Expected Deliverables:

- Designed DMF dataflow system integration architecture

Language Instruction:

Bangla and English, both languages, will be used in this workshop.

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Strengthening of Public Data Systems for Sanitation in Bangladesh (SPDSSB)

Systems List _ Indicator-wise

Sl.	Organization	Systems	Indicators
1	CAAB	ICT-E-Govt. Systems	2-Number of stations/terminals /port/etc.
		ATN/AMITS and FSKR	3- Number of Vehicles with toilets
2	DoS	Shipland Management Systems	3- Number of Vehicles with toilets
		Merchant Shipping Inland Shipping systems	6-No of toilets 7- Number of toilets with septic tank with soak well 8- Number of toilets with pit/containment
3	DNCC	Revenue Management Systems	1- Number of holdings
4	BANBEIS	IEIMS	6-No of toilets 7- Number of toilets with septic tank with soak well
5	DPE	IPEMIS	6-No of toilets 7- Number of toilets with septic tank with soak well
6	DGHS	HRIS	43-Number of behavioral interventions implemented 44- Number of knowledge products developed
7	PKSF	DRS	6-No of toilets 8- Number of toilets with pit/containment
		DRS (MIS)	7- Number of toilets with septic tank with soak well
8	DSCC	Revenue Management Systems	1- Number of holdings
9	SRDI	DFRS	20- No of Testing Lab
10	Dhaka WASA	Vehicle Management Systems	12- No of Desludging vehicles
		New Water & Sewer Connection Software	21- No of holdings connected to STP
		SCADA Systems	22- Volume of sewage treated
		LIMS Software	22- Volume of sewage treated 27- End product re-used/recycled
		Training Software	38- Number of trainings 39- Number of trained people



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Sl.	Organization	Systems	Indicators
		Budget Management Software	46- Budget allocation 49- Capital Expenditure 50- Operational Expenditure
		Billing Software	47- Local authority's sanitation revenue is ringfenced 53- Amount of tax/tariff collected

- Total Organization- 10
- Total Systems- 19
- Total Unique Indicators with Systems- 20