

Annex - 2

Terms of References (ToRs)

Online Training on Faecal Sludge Management

1. Introduction

The rapid growth of cities has created a shortfall in the supply of infrastructure and services leading to a deteriorating environment. Today an estimated two billion people in the world do not have access to 'adequate' sanitation facilities, leading to the degradation of the environment, human health, and aesthetic values. Only 37 percent of urban sewage is treated (23,277 million liters per day)! The disposal of such a huge volume of untreated domestic sewage from cities and towns is the biggest source of water pollution and environmental contamination. Most Indian cities try to handle the infrastructure demands through centralized systems, which not only require high capital expenditures but also cause high operation and maintenance costs.

The existing centralized systems are not able to serve the increasing demand. As a complementary option to the centralized approach, a decentralized waste management system can be an effective solution to tackle pollution in urban areas. Moreover, decentralization helps to increase community participation in the decision-making process, implementation, and maintenance. In this context, there is an increasing need for scaling up decentralized approaches for adequate basic needs services. Decentralized wastewater treatment systems have enormous potential to contribute to the development of sustainable environmental sanitation.

The project “Strengthening Local Structures for Sustainable Sanitation Services in West and Central Asia” aims to have the local authorities contribute to liveable, sustainable, and resilient communities, as well as to the protection of natural resources and adaptation to climate change in KRI. The project is funded by the Federal Ministry for Economic Cooperation and Development (BMZ) with the overall goal of developing and implementing improved solutions for wastewater treatment and faecal sludge management, thus contributing to better living conditions and improved resilience for the host communities in KRI.

The project is being implemented by BORDA (Bremen Overseas Research and Development Association) KRI which is a non-profit civil society expert organization headquartered in Bremen, Germany, that provides innovative, demand-driven support in wastewater management and integrated urban planning.

2. Description

Faecal sludge management (FSM) is essential for the safe collection, transport, treatment, and disposal of sludge from non-sewered sanitation systems, protecting public health and the environment. While infrastructure exists, there is a clear demand for strengthening capacity through comprehensive online training. This training aims to equip practitioners, municipal staff, NGOs, and private-sector providers with functional knowledge and practical competencies across the FSM service chain.

3. Scope of Work

This course is a highly interactive hands-on training including:

- Interactive input presentations
- Case studies
- Demonstrations
- Hands-on exercises
- Short videos for presentation
- Experience Sharing
- Individual and Group Assignments

The training is organized into the following modules:

- FSM fundamentals: definitions, drivers, and service chain.
- Regulatory frameworks, policy, and institutional roles.
- Technology options: emptying, transport, treatment, reuse/disposal.
- Financial & business models, including community engagement.
- Operation and maintenance procedures; health & safety protocols.
- Monitoring, evaluation, and adaptive management.

4. Terms of Payment:

- 100% of the total amount shall be paid upon full completion of the training and delivery of the final training report, including all required deliverables as specified in the Terms of Reference.
- Payment will be made either by cheque or bank transfer to the service provider designated account.
- The payment currency (IQD or USD) will be discussed and agreed upon with the selected service provider.
- The service provider must submit an official invoice along with the final report in order to initiate the payment process.
- Any applicable withholding tax or deductions will be applied in accordance with the governing financial regulations.