

SUPPORT PROGRAM TO COMBAT CURRENT AND FUTURE PUBLIC HEALTH THREATS PROJECT (P178633) – IDA-E1110

CONSULTING SERVICES – INDIVIDUAL CONSULTANT

Development of a Continental Strategy for Wastewater and Environmental Surveillance (WES)

Reference No. ET-AUC-485997-CS-INDV

The African Union has received financing from the World Bank for the "Africa Centres for Disease Control Support Program to Combat Current and Future Public Health Threats Project".

Development Objective of the Project: Enhance the capacity of Africa Centres for Disease Control and Prevention (Africa CDC) to support AU Member States in preventing, detecting, and responding to current and future public health threats.

1. BACKGROUND

Officially launched in Addis Ababa, Ethiopia, in 2017 as a specialized technical institution of the African Union, the Africa Centres for Disease Control and Prevention (Africa CDC) is Africa's first continent-wide public health agency. Africa CDC envisions a safer, healthier, integrated, and stronger Africa, where the Member States can effectively respond to outbreaks of infectious diseases and other public health threats. The agency's mission is to strengthen Africa's public health institutions' capacities and capabilities to detect and respond quickly and effectively to disease outbreaks and other health burdens through an integrated network of continent-wide preparedness and response, surveillance, laboratory, and research programs.

Wastewater and environmental surveillance (WES) has been demonstrated as a valuable public health tool for detecting priority pathogens, monitoring antimicrobial resistance and assessing environmental health risks. Recognizing its potential, the Africa CDC aims to strengthen WES capacities across African Union (AU) Member States as one of the tools for early detection and monitoring of public health threats at the community level. This consultancy will support Africa CDC in assessing the current

WES landscape, identifying key stakeholders, and developing a strategic framework to guide the implementation of WES initiatives across Africa.

2. OBJECTIVE OF THE CONSULTANCY

Africa CDC wishes to develop a continental strategy that will inform the context specific approach, define the priorities and objectives for scaling up WES for public health in the AU Member States.

Specific Objectives:

- Conduct a comprehensive mapping of existing WES capacities, resources, gaps, and needs across AU Member States through structured surveys, key informant interviews, and analysis of existing public health surveillance data.
- Identify and engage key WES stakeholders, including government agencies, regional organizations, research institutions, donors, and private sector actors,
- develop a joint action plan for coordination for coordinating WES in Africa.

- Develop a contextualized WES strategy and implementation plan, ensuring alignment with regional and global public health priorities, financial resources, policy frameworks, and socio-economic contexts.
- Propose a robust monitoring and evaluation (M&E) framework to track the progress, impact, and sustainability of WES initiatives in Africa.

3. SCOPE OF WORK

The consultant is expected to accomplish the following tasks:

Situational Analysis of WES in Africa

- Conduct a desk review of existing WES policies, programs, and capacities in AU Member States and other low and middle income countries outside of Africa.
- Design and administer a survey/questionnaire to Member States and other relevant stakeholders to assess WES infrastructure, resources including funding and technical expertise, laboratory capacity, and ongoing initiatives including integration with existing public health surveillance systems, such as IDSR, and eIDSR, the extent of laboratory readiness for pathogen detection via wastewater, and evaluate the feasibility of testing protocols across Member States
- Identify key challenges and gaps in WES implementation at national and regional levels.

Stakeholder Mapping and Coordination

- Identify key actors in WES, including government agencies, research institutions, One Health stakeholders (e.g., environmental, veterinary, and agriculture sectors) and WASH partners, regional organizations, donors, and private sector partners that are supporting or implementing WES related activities in the continent.
- Conduct stakeholder interviews and consultations to gather insights on existing coordination mechanisms, ongoing efforts, lessons and experiences, challenges, and opportunities.
- Facilitate a stakeholder workshop to review and validate findings and co-develop a joint action plan for WES coordination in Africa.

Strategy and Implementation Plan Development

- Develop a comprehensive, contextualized WES strategy aligned with the continental public health priorities such as the WHO GLASS-AMR, Sustainable Development Goals (especially SDG 6 and 3), and the One Health Joint Plan of Action.
- Define key implementation steps, including governance structures, financing mechanisms, workforce development and capacity-building needs.
- Develop a monitoring and evaluation (M&E) framework to measure progress, effectiveness, and long-term sustainability.
- Draft policy recommendations to enhance WES integration into national and regional public health systems.

4. KEY DELIVERABLES

- Inception report detailing methodology, work plan, and key milestones.
- Situational analysis report summarizing WES capacities, gaps, and needs.
- Stakeholder mapping report and joint action plan for WES coordination.
- Draft WES strategy and implementation plan including governance and financing recommendations.
- Final strategy, implementation plan, and policy recommendations validated by stakeholders.

5. DURATION OF CONSULTANCY

The expected duration of the consultancy service is six (6) months after the starting date of the project. The consultancy service's accomplishment will be the successful completion of the key deliverables and submission of all reports to Africa CDC.

6. CONSULTANCY FEE

Africa CDC shall pay the consultant an overall amount of 41,000 USD over the 6-month period, subject to performance on expected deliverables. The payment schedule is as follows:

Submission of Situational analysis report & Stakeholder mapping	30%	Phase 1
Submission of draft WES strategy and implementation plan	30%	Phase 2
Final strategy, implementation plan, and policy recommendations validated by stakeholders	40%	Phase 3

7. WORKING STATION/SUPERVISION

- The consultant will work both remotely and onsite as necessary and will be closely supervised by the Africa CDC focal points.
- The consultant will report to Africa CDC's Mortality Surveillance Unit and MIS teams for the period of the contract.
- Monthly progress meetings and reports are expected
- The consultant will be responsible for acquiring the resources and facilities required for completion of the activity.
- Africa CDC will cover for pre-approved travel based on the inception report's travel

8. QUALIFICATION AND EXPERIENCE OF THE CONSULTANT

Applicants should demonstrate the capacity to deliver the assignment deliverables and provide the CVs of the proposed staff for this assignment, demonstrating compliance with the following qualification and experience requirements:

Education and Technical skills

- Advanced degree in public health, environmental science, Microbiology, epidemiology, or a related field.
- At least 7–10 years of experience in environmental monitoring, or wastewater surveillance for public health purpose
- Proven experience in conducting situational analyses, strategy development, and stakeholder engagement in Africa.
- Strong understanding of Africa CDC's role in public health and AU Member States' health systems.
- Experience working with African Union institutions and AU Member States is an advantage.
- Excellent research, analytical, and report-writing skills.

9. EVALUATION AND QUALIFICATION CRITERIA

Technical Evaluation

- Education, Qualification, and Relevant Training – 30
- Experience of the consultant and relevance to the assignment and number of years, – 70

10. REQUIRED DOCUMENTATION

- Cover letter with statement of understanding
- A detailed and updated curriculum vitae (CV), and indicating nationality, age and gender.
- Two written references

11. SERVICES AND FACILITIES TO BE PROVIDED BY AFRICA CDC

The individual consultant will be supervised by the Head of SDI, Africa CDC for the purpose of delivering the above outputs within the agreed time frame. This consultancy will be based in Addis Ababa at the Africa CDC Headquarters. The consultant must comply with the African Union rules and procedures related to security and code of conduct.

Africa CDC will cover the cost of travel including economy-class air tickets and other necessary expenses for prior approved travel as required according to the AU rules and regulations. Africa CDC will provide the consultant the following document and facilities:

- The Africa CDC will identify and assign technical staff to support the implementation process.
- Africa CDC will provide the necessary documentation and information required for the assignment.
- Maintain regular follow-up of the activities done by the consultants, review and comment on the submitted deliverables and work done.
- Assist in organizing consultative meetings with Member States and other stakeholders

12. INVITATION

The African CDC now invites eligible Individual Consultants ("Consultants") to submit their CVs in providing the Services and required documents as listed in the ToR. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services.

The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" July 2016, revised March 2025 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest.

A Consultant will be selected in accordance with the Individual Selection method set out in the Procurement Regulations.

Further information can be obtained at the address below during office hours 8:00-13:00hrs and 14:00-17:00 hours, Addis Ababa Time.

CVs must be delivered in a written form following the above shortlisting criteria to the emails below before 15:00 Hours Local Time on 15 August 2025.

Africa CDC,

Africa Centres for Diseases Control and Prevention,

Supply Chain Division

Administration Directorate

Lafto Square, Haile Garment, Addis Ababa, Ethiopia

Africa CDC Office, Dr. John Nkengasong Building,

4th floor, Room No. 408

E-mails: tender@africacdc.org and TigistB@africacdc.org (CV and application shall be submitted to both emails)



Africa CDC is a continental autonomous health agency of the African Union established to support public health initiatives of Member States and strengthen the capacity of their public health institutions to detect, prevent, control and respond quickly and effectively to disease threats.

Safeguarding Africa's Health

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