



MINISTRY OF WATER, SANITATION
AND IRRIGATION
State Department for Water and Sanitation



**REQUEST FOR EXPRESSION OF INTEREST
(CONSULTING SERVICES – FIRM SELECTION)**

COUNTRY: **KENYA**

PROJECT: **NATIONAL URBAN WATER SUPPLY AND SANITATION PROGRAM (NUWSSP)**

ASSIGNMENT TITLE: **CONSULTANCY SERVICES TO UNDERTAKE WATER ABSTRACTION
AND POLLUTION SURVEYS**

REFERENCE NO. **WRA/NUWSSP/CS/02/2025-2026**

The Government of the Republic of Kenya on behalf of Water Resources Authority has received financing from the African Development Bank towards the cost of the National Urban Water Supply and Sanitation Program (NUWSSP) and intends to apply part of the proceeds for Consultancy Services to Undertake Water Abstraction and Pollution Surveys.

The consulting services (“the Services”) include undertaking Water Abstraction and Pollution Surveys in five (5) selected areas of the project. The abstraction and pollution surveys will inform and guide the Water Resources Authority in undertaking sustainable water resources management, enforcement measures for compliance to the regulations and form the basis for development and implementation of Water Allocation Plans in the selected areas.

The Specific Objectives include the following;

- (i) Carry out water abstraction and pollution surveys in accordance with the WRA frameworks and procedures;
- (ii) Undertake awareness creation to the relevant stakeholders;
- (iii) Comprehensively conduct and document the field water abstraction and pollution surveys;
- (iv) Comprehensively analyse and compile water abstraction and pollution survey reports
- (v) Submit the survey reports to the Authority in acceptable format.

The assignment will be carried out in close guidance and coordination with WRA. The scope of the consultancy services will include but not limited to the following proposed works;

- (i) Delineate and familiarize with the selected areas for carrying out water abstraction and pollution surveys;
- (ii) Sensitize and collaborate with relevant stakeholders to carry out water abstraction and pollution surveys;
- (iii) Prepare the appropriate tools and equipment for carrying out water abstraction and pollution surveys;
- (iv) Constitute teams with clear tasks for carrying out the surveys;
- (v) Conduct field water abstraction and pollution surveys;
- (vi) Compile and submit to the Authority the reports in accordance to the consultancy.

The water abstraction and pollution surveys will be conducted in the following watershed areas;

- 1) Sergoit Watershed -Lake Victoria North Basin Area;
- 2) Sare Watershed -Lake Victoria South Basin Area;
- 3) Chemususu Watershed -Rift Valley Basin Area;
- 4) Tsimba Tiwi Watershed -Athi Basin Area;
- 5) Upper Kathita Watershed -Tana Basin Area.

The duration of the consultancy services is twelve (12) months.

The detailed Terms of Reference (TOR) for the assignment found at the following website: Water Resources Authority's <https://wra.go.ke/tenders/> and Public Procurement Information Portal <https://tenders.go.ke/tenders> or can be obtained at the address provided below.

The **Water Resources Authority** now invites eligible consulting firms ("Consultants") to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services.

The shortlisting criteria are:

- a. Core business as a consulting firm in the water resources sector within the last ten (10) years.
- b. Demonstration by consulting firm of having been involved in successful execution, completed and/or ongoing, of at least two (2) consultancies in undertaking water abstraction and pollution surveys/water allocation plan/water resources mapping/county water masterplan/water quality and pollution assessment
- c. Technical and managerial capability of the consulting firm to undertake the assignment which should be supported by detailed company profiles providing details about their staff skills

Eligibility criteria, establishment of the short-list and the selection procedure shall be in accordance with the "Procurement Policy for Bank Group Funded Operations" dated October 2015, which is available on the Bank's website at <http://www.afdb.org>.

The Consultant will be selected in accordance with the Quality and Cost Based Selection (QCBS) method set out in the Consultant Guidelines.

Interested consultants may obtain further information at the address below during office hours **[weekdays Monday to Friday 0800hrs to 1700hrs local time excluding public holidays]**.

Expressions of interest must be delivered to the address below so as to be received on or before **Wednesday 11th March 2026 at 12.30pm, East African time** and mention **Expression of Interest for Consultancy Services to Undertake Water Abstraction and Pollution Surveys**.

The Request for Expressions of Interest (REOI) should be addressed to:

**Chief Executive Officer
Water Resources Authority,
Ragati Road off Ngong Road,
SHA (Formally NHIF) Building,
9th Floor Wing B
NAIROBI, KENYA.**

Telephone: +254 2732291, +254 2729048/9

Email addresses: procurement@wra.go.ke / info@wra.go.ke

Section 7.

Terms of Reference (TOR)

Assignment Title: **Consultancy Services to Undertake Water Abstraction and Pollution Surveys**

Contract No. **WRA/NUWSSP/CS/02/2025-2026**

1. BACKGROUND

The National Urban Water Supply and Sanitation Program (NUWSSP) (Phase 1) aims to improve access to clean and reliable water supply and sanitation services in selected towns in 16 counties in Kenya. It will also strengthen sector institutions through capacity building and knowledge management for the delivery of efficient water and sanitation services and improved productivity. The program will have four components, (i) Climate Resilient and Low Carbon Water Supply & Sanitation Infrastructure, (ii) Integrated Watershed Management, (iii) Institutional Development Support, and (iv) Program management.

The prevailing challenges in the selected urban areas include: (i) poor access to water and sanitation services, (ii) inadequate capacity for watershed management, (iii) limited regulatory capacity nationally, (iv) weak institutional and operational capacities for sustainable water supply and sanitation services delivery, and (v) inadequate capacity for knowledge management in the water sector. The program, therefore aims to address the foregoing challenges by tackling the water supply and sanitation services infrastructure deficits in the towns; adopting an integrated approach to watershed management; and addressing institutional deficiencies that constrain satisfactory implementation of the water supply and sanitation services. The outcomes and outputs will lead to increased and sustainable access to water supply and sanitation services to ensure more reliable water for industrial growth and other economic activities. With better watershed management, the intervention will result in reliable and sustainable water supply and reduction of waterborne diseases resulting from contaminated water bodies.

Under the NUWSSP, WRA will implement the integrated watershed management with the following components: (i) Preparation of integrated micro-watershed management plans (Sub Catchment Management Plans), (ii) Implementation of watershed management and restoration measures for 30No. Watersheds, (iii) Undertake studies on climate risk assessment to analyse vulnerability of selected project towns to climate change, (iv) Undertake studies on climate risk assessment to analyse vulnerability of selected project towns to climate change, (v) Strengthening operational efficiency and effectiveness.

The Water Act 2016 provides WRA with the regulatory functions and execution powers that include; monitor the quantity and quality of water resources; receive and evaluate water abstraction permit for water use; enforce conditions of the permits; collect, analyze and disseminate information on water resources, The WRA is also mandated to advise the Cabinet Secretary on national water resource management, water storage and flood control strategies.

The aforementioned forms the legislative basis for the WRA to undertake water Abstraction and Pollution Surveys (APSs) for sustainable conservation and protection of water resources; and equitable access to available water resources through the Water Allocation Plans (WAPs).

2. OBJECTIVE OF THE CONSULTANCY SERVICES

This consultancy services will implement the component: (ii) Implementation of watershed management and restoration measures for 30No. Watersheds. Under this component, five (5) water abstraction and pollution surveys in the selected project area will be carried out for conservation, protection and; sustainable management of water resources and enhanced water resources planning.

The main objective of the consultancy services is to undertake Water Abstraction and Pollution Surveys in five (5) selected areas of the project. The abstraction and pollution surveys will inform and guide the Authority in undertaking sustainable water resources management, enforcement measures for compliance to the regulations and form the basis for development and implementation of Water Allocation Plans in the selected areas.

The specific objectives include the following:

1. Carry out water abstraction and pollution surveys in accordance with the WRA frameworks and procedures;
2. Undertake awareness creation to the relevant stakeholders;
3. Comprehensively conduct and document the field water abstraction and pollution surveys;
4. Comprehensively analyse and compile water abstraction and pollution survey reports;
5. Submit the survey reports to the Authority in acceptable format.

3. DETAILED SCOPE OF THE CONSULTANCY SERVICES

The assignment will be carried out in close guidance and coordination with WRA. The scope of the consultancy services will include but not limited to the following proposed tasks;

1. Delineate and familiarize with the selected areas for carrying out water abstraction and pollution surveys;
2. Sensitize and collaborate with relevant stakeholders to carry out water abstraction and pollution surveys;
3. Prepare the appropriate tools and equipment for carrying out water abstraction and pollution surveys;
4. Constitute teams with clear tasks for carrying out the surveys;
5. Conduct field water abstraction and pollution surveys;
6. Compile and submit to the Authority the reports in accordance to the consultancy.

4. CONSULTANCY PROJECT AREA

The water abstraction and pollution surveys will be conducted in the following watershed areas;

- 6) Sergoit Watershed -Lake Victoria North Basin Area;
- 7) Sare Watershed -Lake Victoria South Basin Area;
- 8) Chemususu Watershed -Rift Valley Basin Area;
- 9) Tsimba Tiwi Watershed -Athi Basin Area;

10) Upper Kathita Watershed -Tana Basin Area.

Upon approval of the workplan, the consultant in collaboration with the WRA, will carry out stakeholders' awareness creation for their cooperation and support during water abstraction and pollution survey. Part of awareness creation will entail and include the following:

- i. Delineated watershed and water bodies within the survey areas;
- ii. Water abstraction and pollution survey programme;
- iii. Required client and stakeholder cooperation and support;
- iv. Data and information collection tools;
- v. Land use and environmental practices.

5. METHODOLOGY

The consultant should clearly outline and describe the approaches and methodology for undertaking comprehensive water abstraction and pollution surveys in accordance with Water Resources Authority's framework and procedures.

6. CONSULTANCY SERVICES TIME FRAMES

The estimated duration of the assignment is twelve (12) months from the contract signing. The Contract exercise will proceed as follows;

S/No.	Description	Timeline
1.	Consultancy Services to Undertake Water Abstraction and Pollution Surveys	Contract Period:- One Year (12months) from the commencement date
2.	Startup meeting between the consultant and client teams	Within the 1 st (1) week after the signing the contract
3.	Submission of Inception Report that outlines the general information about the firm/professional personnel including physical facilities available for this assignment; detailed work plan and activity schedule with timeframe and reporting; and how the consultant intends to undertake the work; any other information, conditions or restrictions that the firm considers necessary to carry out the stipulated activities;	Three (3) weeks after signing the Contract
4.	Submission of 1st Draft Report , five (5) stand - alone water abstraction and pollution survey reports in soft and hard copies; <ul style="list-style-type: none"> • Sergoit Watershed -Lake Victoria North Basin Area; • Sare Watershed -Lake Victoria South Basin Area; • Chemususu Watershed -Rift Valley Basin Area; • Tsimba Tiwi Watershed -Athi Basin Area; • Upper Kathita Watershed -Tana Basin Area. 	Five (5) months after signing the Contract
5.	Submission of the Final Draft Reports	Seven (7) months weeks after signing Contract
6.	In consultation with the Client, hold workshops to present the reports to the stakeholders in the target	Nine (9) months after signing the contract.

	watersheds	
7.	Submission of the Final Reports on water abstraction and pollution surveys clearly addressing the specific activities outlined in this ToR and in the contract;	Twelve (12) months after contract signing.

7. QUALIFICATIONS OF THE CONSULTANT

The consulting firm should demonstrate and qualify with evidence that;

- d. Core business as a consulting firm in the water resources sector within the last ten (10) years.
- e. Demonstration by consulting firm of having been involved in successful execution, completed and/or ongoing, of at least two (2) consultancies in undertaking water abstraction and pollution surveys/water allocation plan/water resources mapping/county water masterplan/water quality and pollution assessment
- f. Technical and managerial capability of the consulting firm to undertake the assignment which should be supported by detailed company profiles providing details about their staff skills

8. KEY QUALIFICATIONS OF CONSULTANT'S EXPERTS

The consultant's team should be composed of technical experts as below;

1. Team Leader
2. Hydrologist
3. Chemist
4. Hydrogeologist
5. Data Analyst
6. GIS Expert
7. Sociologist

The general requirement and minimum qualifications for the consultant's personnel are;

No.	Role	Minimum Qualifications
1.	Team Leader	Bachelor of Science degree in hydrology, hydrogeology, chemistry with a minimum 10 years' experience working within the water resources management and development projects involving substantial water resources management/development, social, institutional, environmental and economic components.
2.	Hydrologist	BSc degree in Hydrology, with at least 5 years' experience in the relevant field.
3.	Chemist	BSc degree in Chemistry/ Analytical Chemistry with at least 5 years' experience in the relevant field.
4.	Hydrogeologist	BSc degree in Hydrogeology with at least 5 years' experience in the relevant field.
5.	Data Analyst	BSc degree in Computer science/Statistics with strong technical skills in SQL, Excel, and programming languages like Python or R.
6.	GIS Expert	Bachelor Degree in Geo-Spatial science with at least 5 years' experience in water resources mapping, data integration and management.
7.	Sociologist	Bachelor Degree in Sociology, Urban Planning, Economics or related field with 5 years' work experience working with stakeholders/communities.

NB; Prospective consultant should demonstrate that their proposed team members have the relevant and appropriate qualifications and experience to meet the requirements of the ToR'. Detailed Curriculum Vitae that indicates work experiences, Academic & Professional

certificates should be included for each proposed professional team member.

9. KEY EXPERT'S TOTAL MAN MONTHS

The total man – months are expected to be **84 man months** for distributed equally amongst the experts during the contract period;

No.	Expert	Time of Engagement (man-months)
1.	Team Leader	12 months
2.	Hydrologist	12 months
3.	Chemist	12 months
4.	Hydrogeologist	12 months
5.	Data Analyst	12 months
6.	GIS Expert	12 months
7.	Sociologist	12 months

10. CONSULTANT RESPONSIBILITIES

The Consultant will be responsible for undertaking the Water Abstraction and Pollution Surveys in Sergoit Watershed -Lake Victoria North Basin Area; Sare Watershed -Lake Victoria South Basin Area, Chemususu Watershed -Rift Valley Basin Area, Tsimba Tiwi Watershed - Athi Basin Area and Upper Kathita Watershed -Tana Basin Area.

The Consultant will be responsible for report preparation and submission to the client and care of stakeholders when and where involved and applicable.

The Consultant will be responsible for their travel arrangements and accommodation during field visits.

11. DELIVERABLES

The expected output for this assignment includes;

- 1.** Inception Report
- 2.** 1st Draft Report
- 3.** Final Draft Report
- 4.** Final Report

12. DELIVERABLE TIMELINES AND PAYMENT SCHEDULE

The Consultant's fees shall cover the wages and salaries of the professional staff inputs utilized on the assignment, provision for supporting services necessary to carry out the assignment, direct costs for travel, freight, accommodation, report production and other expenses.

In proposing the level, timing and type of professional staff inputs, the consultants shall take due account of the requirements of the terms of reference and will consider all relevant factors that affect the cost of the assignment.

The amount and schedule of payment of fees shall be in accordance with the terms and conditions of the contract agreement finally made between the Client and the consultants.

Payments are proposed to be made according to the following schedule:

No.	Reports	Content	Contract Deliverable Timeline	Contract Amount Payable
1	Inception Report	Scope and understanding of the project, methodology and approaches and timelines for submitting reports	Three (3) weeks after signing the Contract	20%
2	1st Draft Report	Five (5) - stand - alone status reports on the Water Abstraction and Pollution Surveys for: <ul style="list-style-type: none"> • Sergoit Watershed -Lake Victoria North Basin Area; • Sare Watershed -Lake Victoria South Basin Area; • Chemususu Watershed -Rift Valley Basin Area; • Tsimba Tiwi Watershed -Athi Basin Area; • Upper Kathita Watershed -Tana Basin Area. 	Five (5) Months after signing the Contract	40%
3	Final Draft Report	Five (5) - stand - alone final draft reports on findings of the Water Abstraction and Pollution Surveys for: <p>Surveys for:</p> <ul style="list-style-type: none"> • Sergoit Watershed -Lake Victoria North Basin Area; • Sare Watershed -Lake Victoria South Basin Area; • Chemususu Watershed -Rift Valley Basin Area; • Tsimba Tiwi Watershed -Athi Basin Area; • Upper Kathita Watershed -Tana Basin Area. 	Seven (7) Months after signing Contract	30%
4	Final Report	In consultation with the Client, hold workshops to present the reports to the stakeholders in the target watersheds.	Twelve (12) Months after contract signing	10%

13. REPORTING REQUIREMENT

All reports and communications related to this assignment shall be in English language and all reports shall confront to a format agreed with the client, including an executive summary. A table of contents, standard cover sheets with date and project details.

The expected output for this assignment includes;

1. Inception report
2. Raw field data on water abstraction and pollution survey for each of the five (5) watersheds including GIS shapefiles
3. Water quality and pollution analytical certificates

4. Water abstraction and pollution survey reports will be presented in three volumes for each of the watersheds;
 - i. Volume A: Main reports (1st Draft Report, Final Draft Report and Final Report);
 - ii. Volume B: Appendices containing detailed data tables, analytical certificates and graphs related to the study
 - iii. Volume C: All the maps

All reports will be in hard (3) and soft copies (flash disk). The hard copies will be hardbound (no spiral).

14. CLIENT INPUT

The client input will be as follows:

- Assist the consultant to obtain licenses upon request and permits needed to carry out services.
- Avail relevant project data and reports.
- Provide necessary liaison with Government departments both national and county government, Water services Providers and local authorities.