



الهيئة السعودية للمياه
Saudi Water Authority

User Guide: Saudi Water Quality Index Service

Date: February 2026

Version: 1

First: Service Description

Service Name

Saudi Water Quality Index Service

Service Description

This service allows access to the Saudi Water Quality Index, which reflects the water quality level based on the approved standards and requirements in the water sector, within the framework of the regulatory and supervisory role of the Saudi Water Authority (SWA).

Service Objectives:

- Enhance transparency by providing water quality data and indicators.
- Enable beneficiaries to view water quality levels according to approved standards.
- Raise awareness of water quality indicators and their importance.
- Strengthen trust in the water system within the approved regulatory and supervisory framework.

Beneficiary Categories

- General beneficiaries.
- Entities related to the water sector.
- Researchers and those interested in water quality.



Second: Conditions

Service Requirements

Using the service to access index data within its informational scope.

Service Prerequisites

Selecting the region or the required data (as required by the service form).

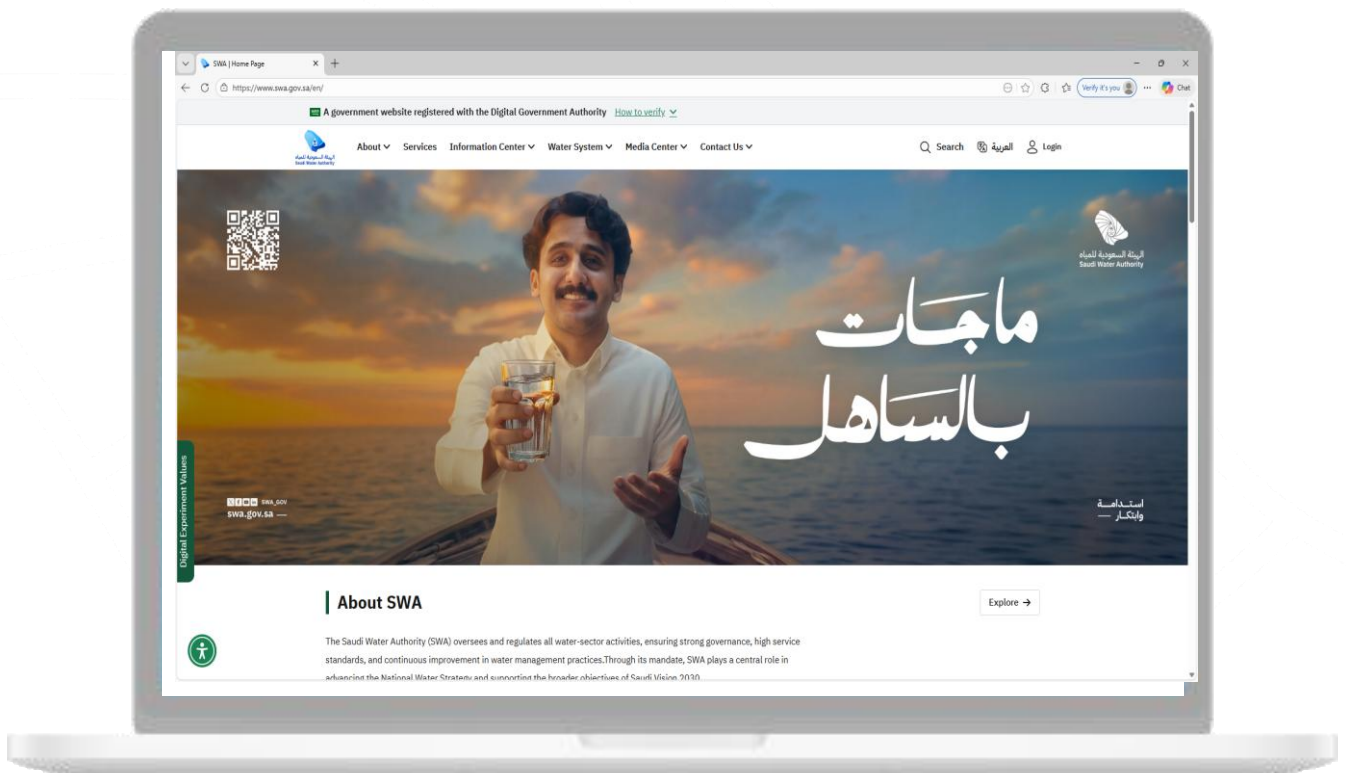
Regulatory Notice

The index reflects water quality data according to the approved methodology and standards. It is intended for general information purposes and is not considered a substitute for any official technical reports issued by the competent authorities.



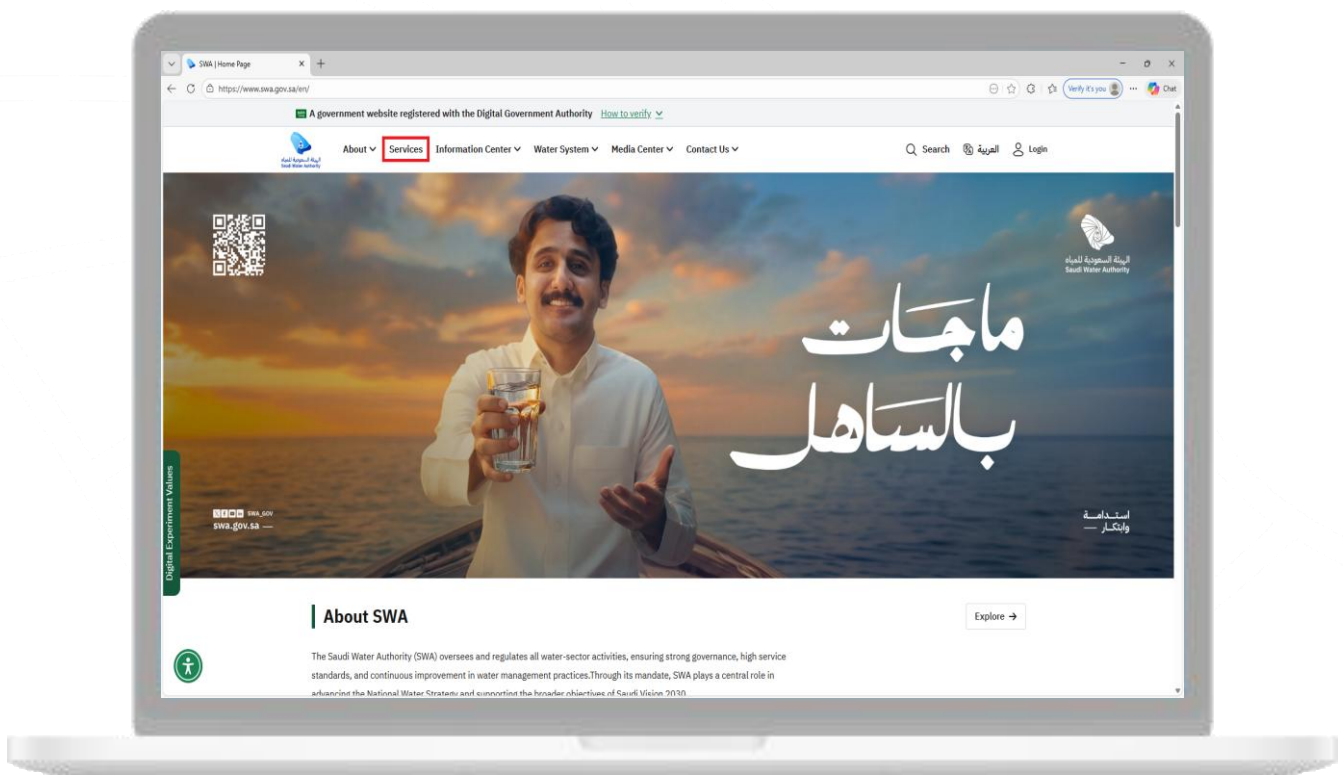
Third: Steps to Access the Service

1. Visit the Saudi Water Authority website:



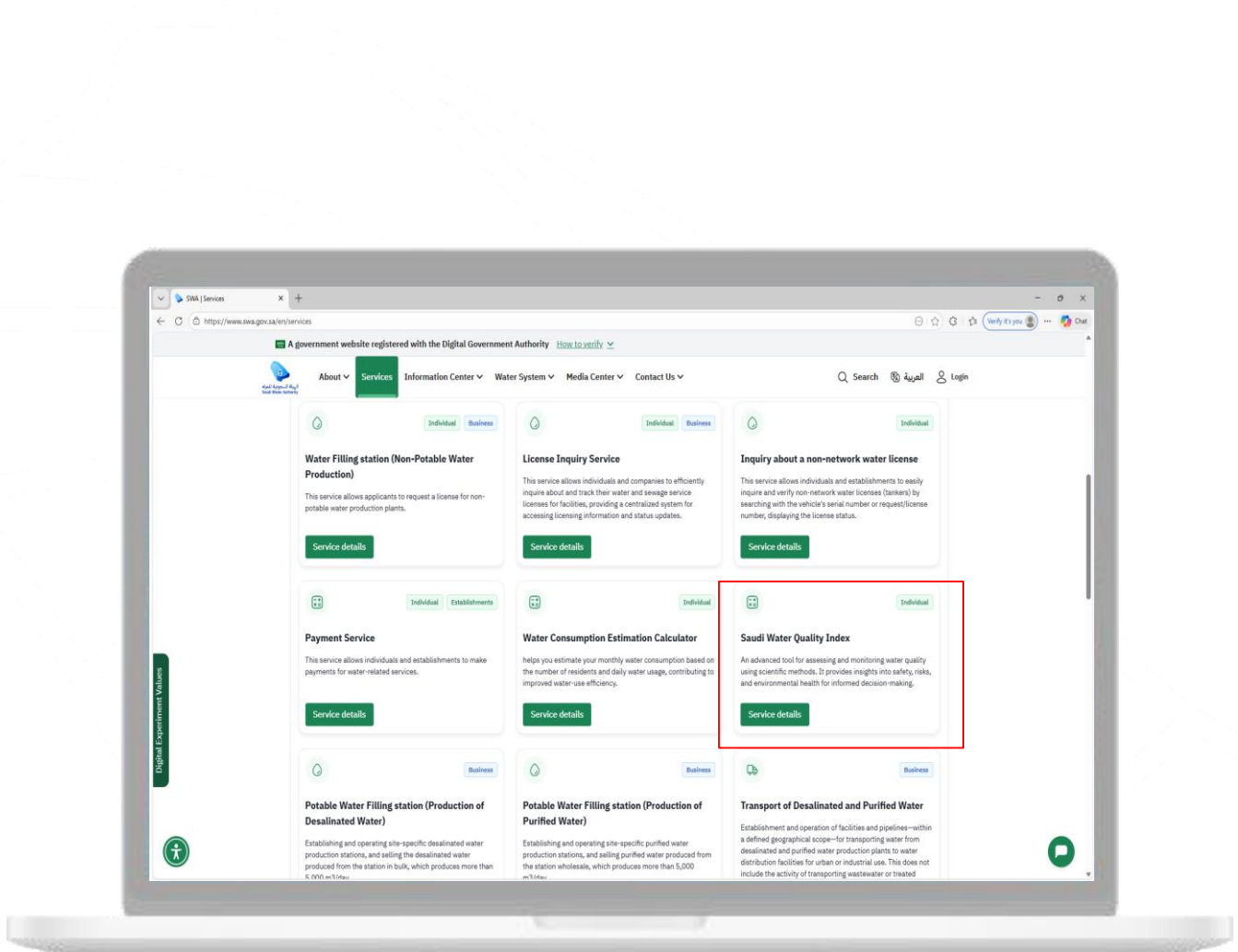
Third: Steps to Access the Service

2. Navigate to the Electronic Services menu.



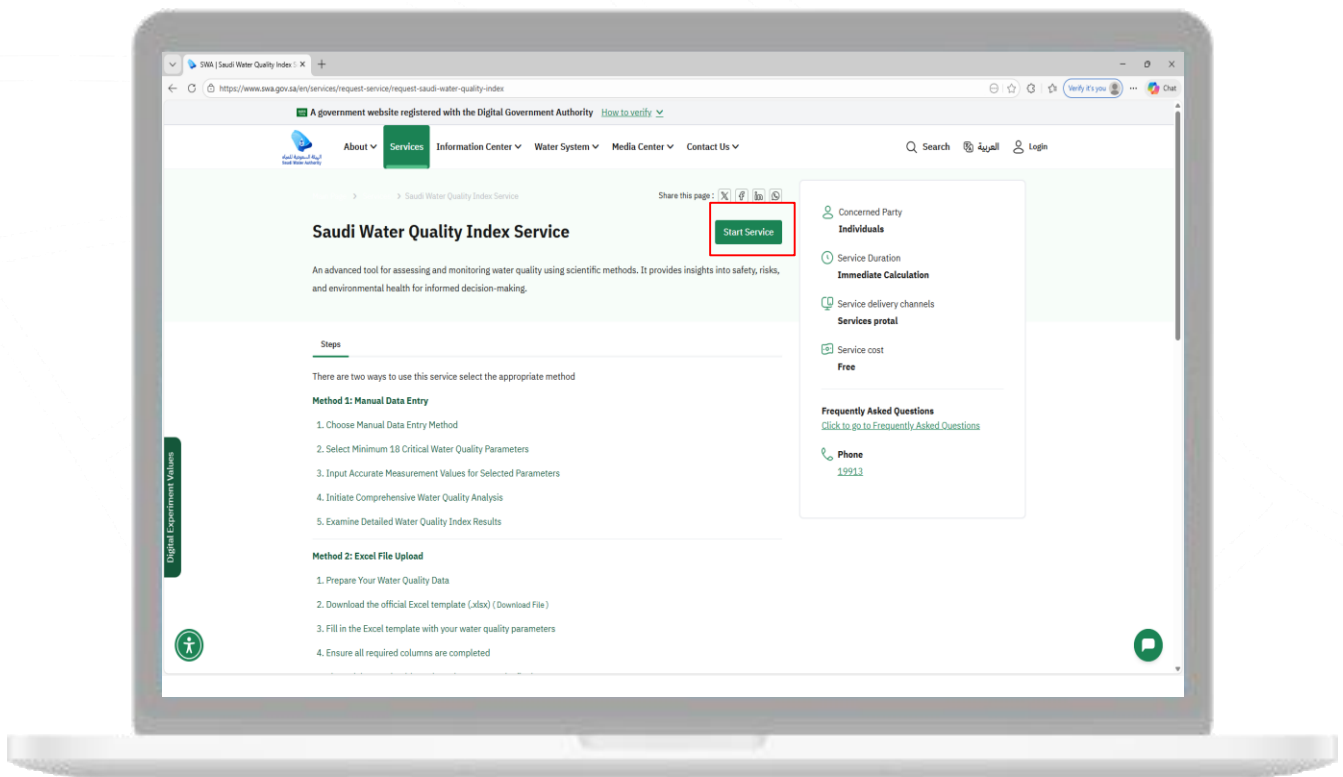
Third: Steps to Access the Service

3. Select the " Saudi Water Quality Index Service".



Third: Steps to Access the Service

4. Click on "Start Service."

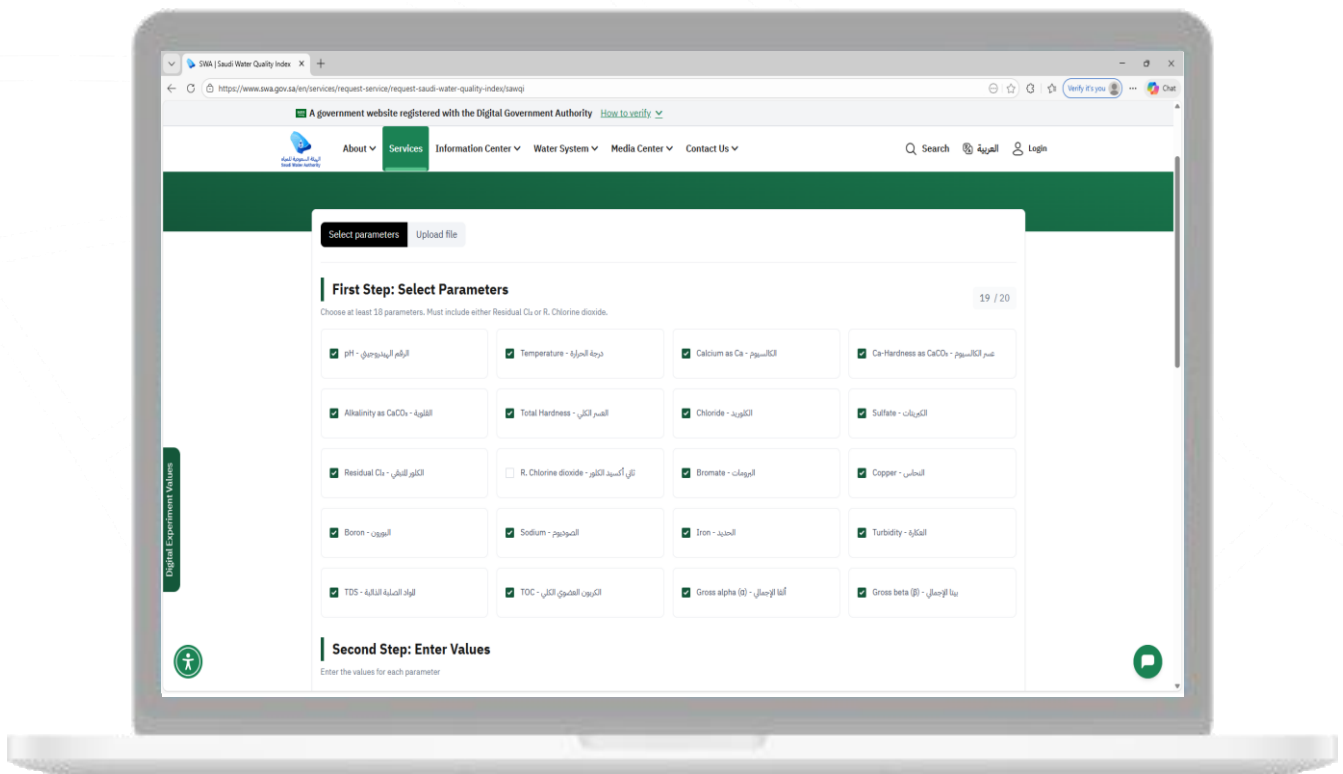


Third: Steps to Access the Service

5. Choose the data entry method:

Method 1: Manual Data Entry

- Choose Manual Data Entry Method.
- Select Minimum 18 Critical Water Quality Parameters from the available options.



Third: Steps to Access the Service

- Input Accurate Measurement Values for Selected Parameters.
- Click the “Initiate Comprehensive Water Quality Analysis” option.
- Review the detailed results of the Water Quality Index after the analysis is complete.

The screenshot displays the 'Second Step: Enter Values' form on the Saudi Water Quality Index (SWAQI) website. The form is titled 'Second Step: Enter Values' and includes the instruction 'Enter the values for each parameter'. It features a grid of input fields for various water quality parameters, each with its name in English and Arabic. The parameters include:

- pH (6.5 - 8.5) - الرقم الهيدروجيني (6.5 - 8.5)
- Temperature (60 - 60) - درجة الحرارة (60 - 60)
- Calcium as Ca (24 - 12) - الكالسيوم (24 - 12)
- Ca-Hardness as CaCO₃ (05 - 30) - عسر الكالسيوم (05 - 30)
- Alkalinity as CaCO₃ (05 - 30) - القلوية (05 - 30)
- Total Hardness (200 - 85) - العسر الكلي (200 - 85)
- Chloride (145 - 0) - الكلوريد (145 - 0)
- Sulfate (20 - 0) - الكبريتات (20 - 0)
- Residual Cl₂ (0.5 - 0.2) - الكلور المتبقي (0.5 - 0.2)
- Bromate (10 - 0) - البرومات (10 - 0)
- Copper (2 - 0) - النحاس (2 - 0)
- Boron (2.4 - 0) - البورون (2.4 - 0)
- Sodium (205 - 0) - الصوديوم (205 - 0)
- Iron (0.3 - 0) - الحديد (0.3 - 0)
- Turbidity (5 - 0) - العكارة (5 - 0)
- TDS (400 - 100) - المواد الصلبة الذائبة (400 - 100)
- TOC (1 - 0) - الكربون العضوي الكلي (1 - 0)
- Gross alpha (0 - 0.5 - 0) - ألفا الإشعاعي (0 - 0.5 - 0)
- Gross beta (0 - 0) - بيتا الإشعاعي (0 - 0)

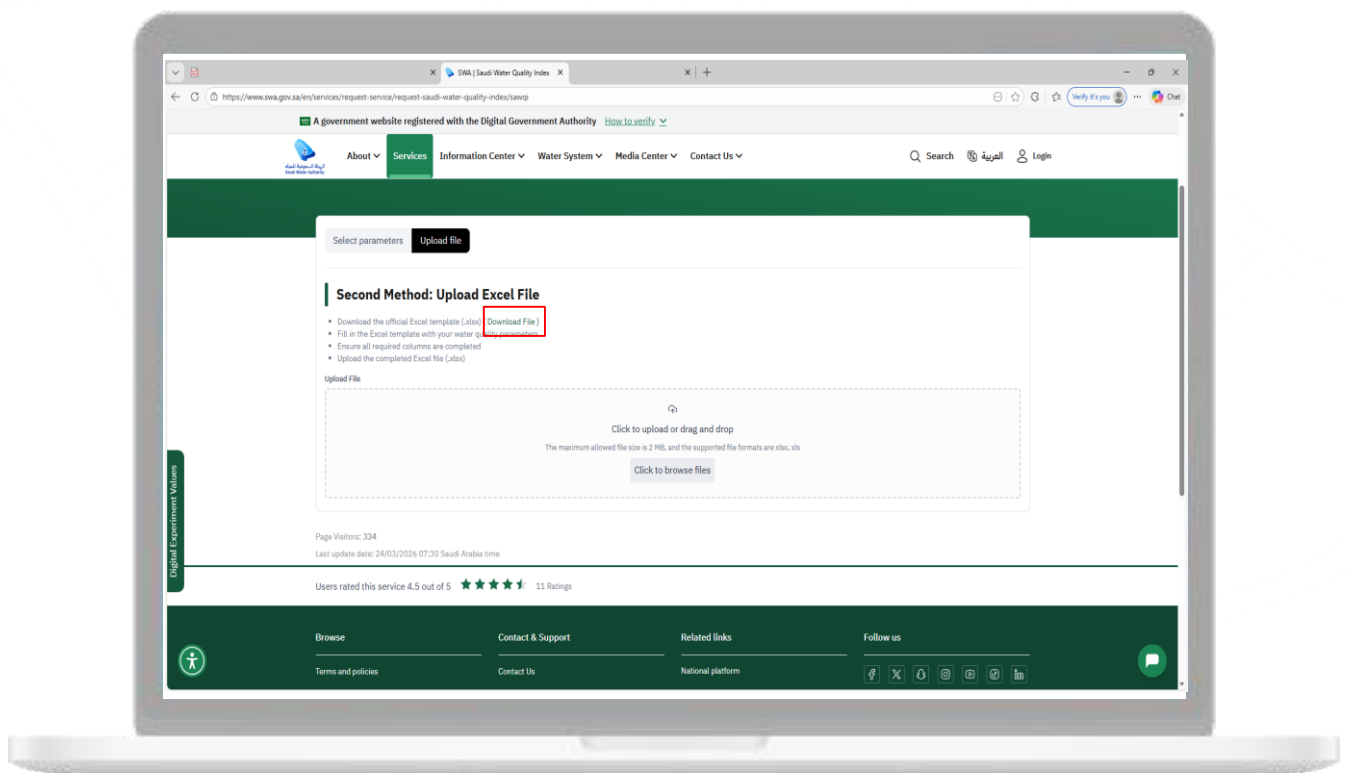
At the bottom of the form, there are two buttons: 'Calculate Indicator' (highlighted with a red box) and 'Reset'. The page footer shows 'Page Visitors: 329', 'Last update date: 24/03/2026 07:30 Saudi Arabia time', and a user rating of 4.5 out of 5 stars based on 11 ratings.



Third: Steps to Access the Service

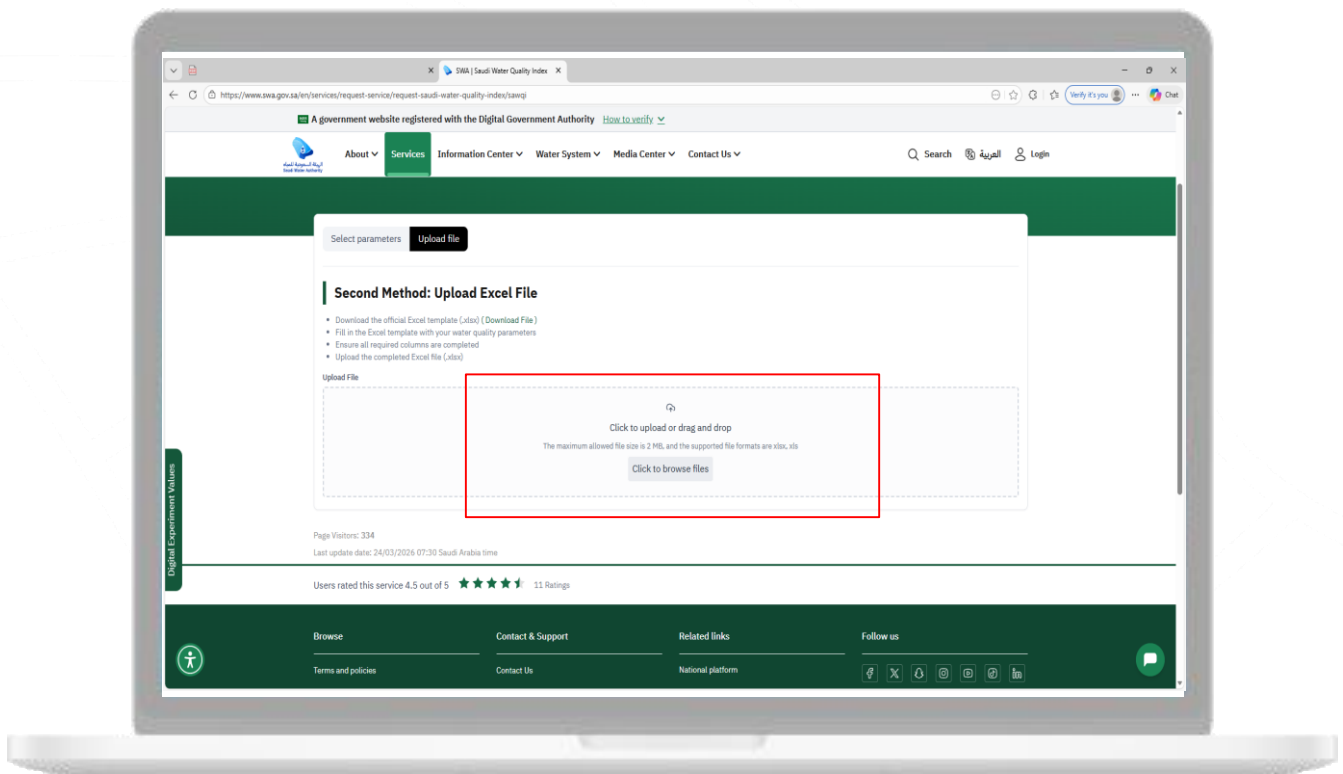
Method 2: Excel File Upload

- Download the official Excel template in (.xlsx) format.
- Fill out the template with the required water quality parameters.
- Ensuring the following:
 1. Completion of all required columns.
 2. The Weight Row should consistently appear as the final row in the template.
 3. If additional test values are added, a new row should be inserted preceding the Weight Row.



Third: Steps to Access the Service

- Upload the completed Excel file in (.xlsx) format.
- Wait for the execution of the comprehensive water quality analysis.
- Review the detailed Water Quality Index results once they appear.





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