ORANGE COUNTY WATER DISTRICT

18700 Ward Street
Fountain Valley, California 92708

ADDENDUM NO.1
REQUEST FOR PROPOSAL (RFP-25-001)
Purchase One Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) System
Date of Addendum: 7/17/2025

This addendum serves as written notice of the following corrections, clarifications, additions and/or deletions to any and all copies of the Request for Proposal for Purchase One Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) System. The original Request for Proposal (RFP) Documents and any previously issued addenda remain in full force and effect, except as modified by this Addendum, which is hereby made part of the RFP. Proposer shall take this Addendum into consideration when preparing and submitting its Proposal.

The proposer shall execute the acknowledgment form at the end of this addendum and shall attach it with proposer's submitted proposal. **Failure to acknowledge receipt of all Addenda may result in rejection of your proposal**

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1. Addition to Add Table 1 to the end of Exhibit A:

a. Please refer to Exhibit A of this Addendum No.1 for Table 1.

EXHIBIT A

Exhibit A
Scope of Services

I. GENERAL REQUIREMENTS

The Orange County Water District (OCWD) is soliciting proposals to purchase one Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) system. The proposed ICP-OES system will be used to perform the following analytical methods:

EPA Method 200.7

Any proposal shall include an Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) system, autosampler, chiller, computer software, computer workstation (less monitor and printer), and all necessary accessories for complete installation. All components of the systems shall be under Microsoft Windows 11 Professional operating system control. Operating manuals, parts lists, schematics, and all necessary accessories for complete installation shall be included. It is required that the above equipment be furnished and installed in accordance with the following specifications:

A. All parts and components must be the most current version on the market.
B. All items and equipment offered shall be new. No used or reconditioned equipment will be accepted.
C. Factory-trained representatives will provide complete installation and service.
D. Vendor equipment must be fully compliant with *EPA Method 200.7: Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Emission Spectrometry, Revision 4.4 (1994)* for drinking water, wastewater and all trace metal contaminants, whereas EPA Method 200.7 must be the primary method.

II. SPECIAL REQUIREMENTS AND GENERAL ITEMS

A. Services of a startup engineer shall be included in the proposal price. System performance in all modes shall meet all manufacturer's installation specifications and must be documented before acceptance by OCWD.

B. Successful proposer shall guarantee that the equipment purchased shall be free from defects in material and workmanship and covered under warranty for at least one year from installation, including parts, labor, and travel. Proposer will take reasonable steps to ensure that installation activities will begin within one month of instrument delivery, and complete within one month from the starting date of installation.

C. Each proposer shall furnish with their proposal a complete description of all the equipment offered. This shall include, but not be limited to, a catalog description, model numbers, version numbers of all equipment including software and firmware to be furnished, written specifications, spare parts requiring replacement during the warranty period and recommended spare parts list.

D. Payment will not be authorized until the instrument has been demonstrated to meet all the following proposal specifications and fully accepted and signed off by an authorized OCWD representative. In addition, the warranty period will not begin until the instrument has been fully accepted and signed off by an authorized OCWD representative.

E. All equipment furnished under this request for proposal shall comply with the regulations of the Division of Industrial Safety of the State of California.

F. All electrical work shall comply with State of California, Title B, CAL-OSHA Standards Board, Subchapter 5, Electrical Safety Orders as last revised and with the most current Electrical Code of the National Fire Protection Association.

III. EQUIPMENT SPECIFICATIONS

A. GENERAL

The new ICP-OES system will be used for the determination of Metals and Trace Elements using EPA Method 200.7. It shall include an Inductively Coupled Plasma Optical Emission Spectrometer with dual axial and radial views that include liquid sample introduction system that handles Nitric and Hydrochloric acids, autosampler with a minimum of 80 sample positions for 50 mL sized tubes with auto dilution capabilities, chiller, computer software, and computer workstation (less monitor and printer). All the latest software, firmware, service packs and licenses shall be included. The instrument must be able to deliver the low concentration method detection limits (MDL) and generate acceptable calibration curves as listed in Table 1. It must follow all instrument operation conditions and meet all method validation and QC requirements specified in EPA 200.7.

The quoted ICP-OES system must have the ability to provide proper quantitative and qualitative analysis for the desired analytical method with a minimum reporting (quantitation) limit of 0.1 mg/L Boron, 0.5 mg/L for the 4 alkaline earths / alkali metals (Calcium, Magnesium, Sodium, and Potassium), 0.005 mg/L Iron, and 0.009 mg/L Lithium. The District lab's current ICP-OES instrumentation can meet the specified requirements. The quoted ICP-OES instrument must be capable to meet or (preferably) surpass these reporting limits and maintain precision with a relative standard deviation (RSD) of less than 10 % across replicate injections. Refer to Table 1

below for additional information regarding desired analytical performance measured by reporting limits (RL) and method detection limits (MDL).

It is requested that vendors who offer multiple levels of instrumentation capable of achieving the sensitivity necessary to meet the MDLs listed in Table 1 provide separate quotations for each of these levels. The quotation for each level of instrumentation should clearly distinguish its sensitivity and other major features or upgrades.

B. DATA SYSTEM WITH SOFTWARE

1. System must be capable of full instrument control with the ability to link to the District's network and Laboratory Information Management System (LIMS) to download, upload, and archive data files, quality control records, and other sample information.

2. Vendor must provide software capable to remotely operate and control the ICP-OES and all required peripherals.

3. Data handling software must provide the ability to effectively process and quantitate raw data. Must be able to generate PDF reports and export raw data to Excel, .txt, .html, .pdf or .csv format to be transferred into the District's LIMS.

4. The acquisition and processing software shall have the following features:
    i. Software must be designed specifically for metals and trace element analysis.
    ii. Multi-tasking capabilities, *e.g.*, data may be processed as it is being acquired.
    iii. Data acquisition screen should allow the user to view the progress of analysis in real time.
    iv. Samples may be added to the sample list while the sample list is being run.
    v. Diagnostics for fast troubleshooting of the entire system.
    vi. Data processing software shall have built in networking compatible with OCWD's data management software such as LIMS. It shall have the ability to accept files from OCWD's LIMS system to upload sample names to generate sample run sequences. It shall also have the ability to generate a result summary that can be transferred to OCWD's LIMS system.
    vii. Upload and download files may be in Excel, .txt, .html, .pdf or .csv file formats.

C. COMPUTER SYSTEM

For this ICP-OES system, a personal computer workstation (less monitor and printer) with a minimum of the following:

1. Central processing unit: Intel Core i7 14th Generation or better recommended.

2. Windows 11 Professional Operating System 64-Bit, English, with all necessary service packs.
3. RAM: 32 GB minimum with more preferred.
4. Hard Disk Space: 500 GB SSD minimum with 1 TB SSD preferred.
5. Video Display capability: 1280 X 1024, 1440 X 900, or higher with 32-bit color recommended.
6. Ports: At least one USB port for license device. Additional USB ports for systems and peripherals with at least USB 3.0 speed.7.
7. Expansion Slots: One PCI or PCMCIA slot for each RS-232 or GPIB card (if required for communication between computer and instrument)
8. Peripherals: Windows 11 Professional compatible keyboard, mouse and 16X DVD+/-RW SATA or better (DVD drive if necessary for software installation, otherwise not required).
9. Pre-installed software including any licenses that allow full instrument control, data acquisition and data processing for all instrument features shall be included.
10. Licensed and imaged with Microsoft Windows 11 Professional, drivers, interface cards for communication and control shall be pre-installed.
11. One year software and firmware upgrade shall be provided and installed in a timely manner after release date, and any software-related updates to the installed Microsoft Windows operating system shall be included.
12. A printer for this system will be provided by OCWD and thus should not be included in the proposal.
13. An LED monitor for this system will be provided by OCWD and thus should not be included in the proposal.

IV. INSTRUMENT POWER SUPPLY

OCWD Laboratory will furnish 208 or 110 VAC facility line power at 60 Hz to the instrument. Proposer will provide power line adjustment transformers for supplying 220 VAC to the instrument, if needed.

V. TRAINING AND APPLICATION SUPPORT

Upon completing and meeting all manufacturers' installation specifications and correcting all system errors or operational functions of the on-site instrument system, the vendor shall assist in setting up the instrument to comply with *EPA Method 200.7* at the sensitivity specified in Table 1 below.

VI. CUSTOMER SUPPORT

A. Warranty: The warranty period shall be for a period of one year and shall include parts, labor, travel, software, and firmware upgrades.

B. Instrument and software service shall be provided by local (Los Angeles-Orange County) factory-trained customer support representatives. This includes technical assistance for method development when needed. It is highly desirable for the vendor to provide service for all components for ICP-OES, autosampler system and chiller. Please list the number of local factory-trained service engineers (as defined above) available for servicing your proposed systems.

C. Customer/technical support must respond by phone to a service call within 24 hours, and on-site within 48 hours.

D. Technical support should be available during normal business hours utilizing a toll-free number.

E. Vendor shall provide 10 years of guaranteed instrument support from the date of purchase.

VII. ADDITIONAL PROVISIONS:

A. The proposer who submits a proposal for this request certifies that the items offered are in accordance with the specifications in all respects. Any exceptions to the specifications stated in this RFP must be clearly identified. Any such exceptions may render the proposal non-responsive and if so, the proposal may not be considered.

B. EQUIPMENT INTEGRITY: Supplier warrants and represents that all equipment shall conform to CAL OSHA requirements and SCAQMD rules and regulations.

Table 1: EPA 200.7

Analytes	RL (mg/L)	MDL (mg/L)
Calcium	0.5	0.05
Magnesium	0.5	0.05
Sodium	0.5	0.05
Potassium	0.5	0.05
Boron	0.1	0.02
Iron	0.005	0.0025
Lithium	0.009	0.003

END OF ADDENDUM

MANDATORY FORM

ACKNOWLEDGE RECEIPT OF ADDENDUM NO.1

REQUEST FOR PROPOSAL
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(RFP-25-001)

7/17/2025

Proposer shall acknowledge receipt of this addendum by detaching, signing and attaching to his/her proposal, one (1) copy of this sheet.

I, _____

Name of Proposer, Company Name

_____

Address, City, State, Zip

Hereby acknowledge receipt of Addendum No.1 to the **Request for Proposal Purchase One Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) System** and have considered these revisions in the preparation of my proposal. This addendum, consisting of this acknowledgement, shall become a part of any contract made pursuant thereto.

_____
Proposer's Signature

_____
Printed Proposer's Name

_____
Date