ATTACHMENT A

SOLICITATION NO. 2920000242

This Solicitation is a Contract Document and is a request for proposal in connection with the Contract awarded by the Office of Management and Enterprise Services as more particularly described below. Any defined term used herein but not defined herein shall have the meaning ascribed in the General Terms or other Contract Document.

The Oklahoma Department of Environmental Quality (DEQ) is seeking bids for an Inductively Coupled Plasma Mass Spectrometer (ICP-MS) and a Multiparameter EXO1 Sonde for the State Environmental Laboratory located in Oklahoma City, Oklahoma.

1. Contract Term and Renewal Options

The initial Contract term, which begins on the effective date of the Contract (date of award), is one (1) year and there are four (4) one (1) year options to renew the Contract.

2. Equipment Specifications

2.1. Inductively Coupled Plasma Mass Spectrometer, (ICP_MS) System Bid Specifications *should* include:

2.1.1 Technology; Inductively Coupled Plasma Mass Spectrometer

2.1.2 Compatible with the following analytical methods; EPA200.8, EPA 6020

2.1.3 Respondents to this bid should provide both options on quote. Agency reserves the right on how to award based on the best value for the State.

2.1.4 System components, should include but are not limited to:

2.1.4.1 Instrument with Kinetic Energy Discrimination (KED) mode capability - Automated analysis required

2.1.4.2 Quoted instrument to be compatible with vendor options for metals speciation.

2.1.4.3 Installation kit and all required cables and parts to install equipment into full functioning working order.

2.1.5 Sample Delivery System:

2.1.5.1 Auto-sampler compatible with Instrument: Auto sampler should have integrated controls in the instrument software for each option

2.1.5.2 Option 1 Autosampler: minimum 240 x 14mL sample tubes and 50mL calibrator tubes, minimum of 8 standards

2.1.5.3 Option 2 Autosampler: minimum 360 x 14mL sample tubes and 50mL calibrator tubes, minimum of 8 standards, software integrated auto dilution system for prepping calibrators, standards, and sample dilutions.

2.1.5.4 Ventilated enclosure (list as separate line item in quote(s)

2.1.6 Personal Computer (PC) should include:

2.1.6.1 At minimum (2 wired Ethernet ports)

2.1.6.2 Minimum 24" monitor with necessary peripherals

2.1.6.3 Windows 10

2.1.6.4 No non-Windows security applications

2.1.6.5 Instrument Controller Software: ASTM AnIML compliant software, preferred. ASTM AnIML described on Attachment F – *Added Value.*

2.1.6.6 The computer and monitor should be delivered at least two (2) weeks prior to delivery of the scheduled instrumentation installation date. Complete system including instrument should be delivered within ninety (90) days of bid award.

2.1.7 Over calibration range monitoring rinse feature

2.1.8 Instrument and auto sampler cart or table with casters

2.1.9 Line Conditioner

2.1.10 Coolant chiller – PC controlled

2.1.11 Coolant mix

2.1.12 Inline KED gas filter setup

2.1.13 Vacuum pump

2.1.14 Pump oil

2.1.15 Durables/Consumables/Solutions: should include ONE (1) additional consumables kit (beyond that required for installation) as a separate line item

2.1.16 Pre-installation facilities checklist

2.1.17 The Contractor should provide all installation and installation parts. The installation should include initial familiarization and set up.

2.2. Multiparameter Sonde

2.2.1 The Multiparameter Sonde should be:

2.2.1.1 Depth / Pressure Rating / Limit: 0 to 250 m (0 to 820 ft.)

2.2.1.2 Desktop Software Compatible

2.2.1.3 Flow Cell

2.2.1.4 Logging Capabilities

2.2.1.5 Medium: Fresh, sea or polluted water

2.2.1.6 Memory: >1,000,000 logged readings, 512 MB total memory

2.2.1.7 Multiparameter

2.2.1.8 Operating Temperature: -5 to +50°C

2.2.1.9 Power: 2 Alkaline Batteries with a battery Life: 90 days

2.2.1.10 Sampling: Yes

2.2.1.11 Smart Sensors / Ports: Yes

2.2.1.12 Storage Temperature: -20 to +80°C

2.2.1.13 Unit of Measure: Parameter Dependent

2.2.1.14 User Calibratable

2.2.1.15 Waterproof

2.2.1.16 Communications: Computer Interface: Bluetooth wireless technology (between sonde and handheld or computer with KOR software), USB

2.2.1.17 Languages: English

2.2.1.18 Output Options: USB with signal output adapter (SOA); RS-232 & SDI-12 with DCP-SOA

2.2.1.19 Diameter: 4.70 cm (1.85 in)

2.2.1.20 Length: 64.77 cm (25.50 in)

2.2.1.21 Peripheral Ports: 1 power communication port

2.2.1.22 Sample Rate: Up to 4 Hz

2.2.1.23 Sensor Ports: 4

2.2.1.24 Weight: 1.42 kg (3.15 lbs.)

2.2.1.25 The Multiparameter Sonde should meet or exceed the EXO1 Multiparameter Sonde SKU599501-01

2.2.1.26 Quantity: One (1)

2.2.2 The Included Accessories should be included:

2.2.2.1 Optical Dissolved Oxygen (D.O.) Sensor

2.2.2.1.1 Quantity: One (1)

2.2.2.1.2 The Optical Dissolved Oxygen (D.O.) Sensor should meet or exceed the: EXO Optical Dissolved Oxygen (D.O.) Sensor SKU: 599100-01

2.2.2.2 Conductivity/Temperature Sensor, closed cell

2.2.2.2.1 Quantity: One (1)

2.2.2.2.2 The Conductivity/Temperature Sensor, closed cell should meet or exceed the: EXO Conductivity/Temperature Sensor, closed cell SKU 599870.

2.2.2.3 pH Smart Sensor Guarded

2.2.2.3.1 Quantity: One (1)

2.2.2.3.2 The pH Smart Sensor Guarded should meet or exceed the: EXO pH Smart Sensor Guarded SKU 577601.

2.2.2.4 pH Sensor Replacement Module

2.2.2.4.1 Quantity: One (1)

2.2.2.4.2 The pH Sensor Replacement Module should meet or exceed the: EXO pH Sensor Replacement Module SKU 599701.

2.2.2.5 2-meter Field Cable

2.2.2.5.1 Quantity: One (1)

2.2.2.5.2 The 2-meter Field Cable should meet or exceed the: EXO 2-meter Field Cable Connects sound to EXO Handheld Display or USB adapter. Wet mate connectors and strain relief SKU 599040-2

2.2.2.6 Handheld Display “2.0

2.2.2.6.1 Quantity: One (1)

2.2.2.6.2 The Handheld Display “2.0 should meet or exceed the: EXO Handheld Display “2.0”: GPS, temperature-compensated barometer, backlit keypad, wet-mate connector, color LED screen, IP-67 rating, built in rechargeable battery SKU 599960.

3. Peripherals

The supplier should provide an instruction manual to each piece of additional equipment in the bid. It shall accompany each instrument. The manual shall include a list of consumables and instrument maintenance schedule specific to the model provided. Electrical schematic board layout drawings, electrical schematic diagrams, and pneumatic diagrams are required. Generic manual is not acceptable. The manual must be provided in both electronic and hard copy forms.

4. Warranty

In the event of instrument failure within ninety (90) days of receipt of the instrument, DEQ reserves the option to request full replacement with a new instrument. Two (2) year warranty for parts, labor and return shipping to and from the factory, if the instrument shall be returned for factory service. Supplier shall supply a replacement unit if repairs are expected to take more than sixty (60) days from date of instrument shipment to the factory. The Supplier shall provide pricing for extended warranties for each instrument. DEQ may or may not award the extended warranty. The Supplier should provide copies of all factory warranties in electronic or hard copy form.

5. Training

Supplier shall provide: Operator training session per piece of equipment, for up to five (5) staff members. The training is to be facilitated by a competent, knowledgeable factory trained instructor. The program manager or their appointee will have expressed and implied discretion to approve or disapprove the training instructor. The training will take placed after the supplier has delivered and verified all components are working. In addition to initial installation familiarization and setup, the supplier shall quote added day(s) of training with training agenda to include; theory of operation, setup, maintenance, software and calibration and routine monitoring procedures, and troubleshooting, and if not preloaded in the software; method build, method validation; completion of single day detection limit study (DL) and demonstration of capability. Training to be held at DEQ facility with training dates not to exceed forty-five (45) days post vendor installation. Onsite Training, up to five (5) staff members, included as a separate quote line item, for

quotes including Auto-sampler Option 2. Training agenda to include use, setup, and validation of autodiluter/auto-sampler. Training to be held at DEQ facility with training dates not to exceed forty-five (45) days post vendor installation.

6. Technical Support

Contractor will provide operator support technical assistance during normal hours of business, which are 8:00 am to 5:00 pm, Monday to Friday, US Central Standard Time. A toll free telephone number will be provided to DEQ personnel for this purpose. This number shall be given on Attachment E – *Validation of Specifications and Quantity Schedule.*