

# NOTICES

## INTENT TO SOLE SOURCE

The South Carolina Department of Health & Environmental Control (DHEC) is seeking a qualified vendor to provide four new (4) Teledyne API (TAPI) T640X PM Mass Monitors with Federal Equivalent Method EQPM-0516-238 (PM<sub>2.5</sub>) and 239 (PM<sub>10</sub>) and seven new (7) Teledyne API (TAPI) T640 PM Mass Monitors with Federal Equivalent Method designation EQPM-0516-236 designation. The instruments provided must be compatible with the existing T640X and T640 Teledyne instruments. These instruments must employ a measurement principle of broadband spectroscopy using 90° white-light scattering with polychromatic LED. All eleven (11) instruments must be provided by the same vendor. All 11 instruments would share the same software, consumables, spare parts, and supplies to be compatible with our standard operating procedures (SOPs) for all instruments and would include the same training for them.

### The T640X and the T640 must have the following:

1. Monitor must be a designated EPA reference or equivalent method for continuous monitoring of PM<sub>2.5</sub>, PM<sub>10</sub>, and PM<sub>10-2.5</sub>, meeting or exceeding performance specifications in 40 CFR Part 53.
2. Use the measurement principle of broadband spectroscopy using 90° white-light scattering with polychromatic LED.
3. Mass measurement and display resolution of 0.1 µg/m<sup>3</sup>.
4. Precision ± 0.5 µg/m<sup>3</sup> (1-hr average).
5. Lower detectable limit must be <0.1 µg/m<sup>3</sup> (1-hr average).
6. Mass concentration accuracy exceeds U.S. EPA PM<sub>10</sub> FEM and Class III FEM PM<sub>2.5</sub> performance requirements for additive and multiplicative bias compared to FRM samplers.
7. Flow rate 5.0 lpm sample flow (standard) and 11.67 lpm bypass flow (T640x option).
8. Flow accuracy within ± 1%.
9. Operating temperature 0 - 50°C non-condensing.
10. Ambient temperature -40 - 60°C.
11. Ambient Relative Humidity 0 – 100%.
12. Sample Humidity Control 24VDC, 90W (max) heater controlled to 35% RH.
13. Internal sample pump (for 5 LPM sample flow) with in-line DFU filter.
14. Internal sample flow controller with ambient temperature/pressure compensation.
15. Aerosol Sample Conditioner (ASC).
16. Ambient Temperature probe with 15 ft. cable and solar shield.
17. Auxiliary Flow System with the U.S. EPA, 16.7 LPM, PM<sub>10</sub>, 640x Inner Sample Tube, 640x Bypass Flow Coupler and External Pump.
18. Leak Check, Flow Audit Adaptor Kit.
19. Microprocessor control with 4GB internal data storage.
20. Front panel USB ports.
21. Ethernet communication (supports TCP/IP Modbus and HTTP polling protocols).
22. Parts provided under warranty must be shipped via overnight, next day delivery.
23. Price must include expected consumables for one year's operation.
24. Price must include no less than a two-year warranty on all parts and labor.
25. Include shipping to Columbia, South Carolina.
26. Include recommended spare parts list and associated prices.

### Specific features of the T640X:

The T640X is FEM for PM<sub>10</sub>, and PM<sub>10-2.5</sub>, and PM<sub>2.5</sub>, whereas the regular T640 is FEM only for PM<sub>2.5</sub>. The T640x has both the sample flow (5.0LPM) and bypass flow option (11.67 LPM) installed. The regular T640 has only the sample flow option. The T640x comes with the auxiliary flow system with the U.S. EPA, 16.7 LPM, PM<sub>10</sub> Inlet, 640x Inner Sample Tube, 640x Bypass Flow Coupler and External

Pump. The regular T640 comes with a 5LPM sample head and a regular T640 inner sample tube (smaller in diameter than the T640x sample tube).

DHEC, in accordance with South Carolina Procurement Code, Section 11-35-1560 and regulation 19-445.2105, is providing public notice of the intent to award a sole source contract to Teledyne Advanced Pollution Instrumentation Inc. The total estimated dollar amount of the purchase is \$383,150.00.

Qualified vendors should contact Whitney Carswell at [carswewp@dhec.sc.gov](mailto:carswewp@dhec.sc.gov) by Midnight ET, March 3, 2023 for additional information.

**PROTESTS:** If you are aggrieved in connection with the intended award or award of the contract, you may be entitled to protest, but only as provided in Section 11-35-4210. To protest an award, you must (i) submit notice of your intent to protest within five (5) business days of the date this notice is posted, and (ii) submit your actual protest within fifteen days of the date this notice is posted. Days are calculated as provided in Section 11-35-310(13). Both protests and notices of intent to protest must be in writing and must be received by the appropriate Chief Procurement Officer within the time provided. The grounds of the protest and the relief requested must be set forth with enough particularity to give notice of the issues to be decided. Any protest or notice of intent to protest must be addressed to the Chief Procurement Officer, Information Technology Management Office, and submitted in writing (a) by email to: [protest-itmo@itmo.sc.gov](mailto:protest-itmo@itmo.sc.gov) or (b) by post or delivery to: 1201 Main Street, Suite 600, Columbia, SC 29201.