

Finland-Espoo: Instruments for checking physical characteristics

OJ S 181/2022 20/09/2022

Contract notice

Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Geologian tutkimuskeskus (Geological Survey of Finland)

National registration number: 0244680-7

Postal address: Vuorimiehentie 5

Town: Espoo

NUTS code: FI Suomi / Finland

Postal code: 02151

Country: Finland

E-mail: kilpailutus@hansel.fi**Internet address(es):**Main address: <http://www.gtk.fi>**I.3. Communication**

The procurement documents are available for unrestricted and full direct access, free of charge, at: <https://tarjouspalvelu.fi/gtk?id=411014&tpk=40643693-3e00-4281-89ef-514d5d27cbfe>

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted electronically via: <https://tarjouspalvelu.fi/gtk?id=411014&tpk=40643693-3e00-4281-89ef-514d5d27cbfe>**I.4. Type of the contracting authority**

National or federal agency/office

I.5. Main activity

Other activity: Research

Section II: Object

II.1. Scope of the procurement**II.1.1. Title**

Water Pilot Mintec 2.0 Laboratory (Water Pilot Lab)

Reference number: GTK/369/02.03.01/2022

II.1.2. Main CPV code

38400000 Instruments for checking physical characteristics

II.1.3. Type of contract

Supplies

II.1.4. Short description

The object of procurement is Water Pilot Mintec 2.0 Laboratory (Water Pilot Lab) as defined in the Invitation to Participate and its attachments as specified.

See also II.2.4).

II.1.5. Estimated total value

Value excluding VAT: 450 000,00 EUR

II.1.6. Information about lots

This contract is divided into lots: no

II.2. Description

II.2.2. Additional CPV code(s)

73100000 Research and experimental development services, 41000000 Collected and purified water, 38400000 Instruments for checking physical characteristics, 51210000 Installation services of measuring equipment, 73300000 Design and execution of research and development

II.2.3. Place of performance

NUTS code: FI1D3 Pohjois-Karjala

Main site or place of performance: Outokumpu, Finland

II.2.4. Description of the procurement

The subject of the procurement is the turn-key delivery of pilot-scale test rigs for Water Pilot Mintec 2.0 Laboratory (Water Pilot Lab) in GTK, Outokumpu, Finland.

The subject of the procurement is the turn-key delivery of water treatment pilot-scale test rigs for "Water Pilot Laboratory" ("Water Pilot Lab") in the Geological Survey of Finland, Outokumpu, Finland.

The turn-key delivery includes:

- (a) design and engineering of automated pilot-scale industrial water treatment tests rigs based on the subject and requirements of the procurement,
- (b) delivery and installation at the Water Pilot Lab,
- (c) test startup, documentation, and training.

For clarity, equipment and supplies that are required for the proper operation of the laboratory are included in the procurement.

Four pilot-scale test rigs must address the following processes for the treatment of water from the industrial sector (extractive sector effluents):

Test-rig 1: Chemical coagulation (coagulation stage and flocculation stage) or multi-stage chemical precipitation (first and second stages) followed by sedimentation.

Test-rig 2: Electrochemical treatment (e.g., electrocoagulation, electrooxidation) followed by sedimentation.

Test-rig 3: Adsorption and ion exchange process (fixed-bed columns).

Test-rig 4: Membrane technologies (microfiltration, ultrafiltration, nanofiltration, reverse osmosis) with prefiltration.

Ancillary equipment: Chemicals dosing station (6 lines), filter press for sludge dewatering, inlet and outlet buffer tanks (standard 1 m³ IBC containers).

The estimated test-rig capacity does not exceed 250 L/h. Test-rig sizing and actual nominal capacity will be determined with the Vendor based on available module size and laboratory footprint (Water Pilot Lab total space: 85 m² with a maximum height of 3.5 m). Required mode of operation: batch and continues. Process control and automation are required. Remote control is also necessary. Each test rig has to be individually monitored for process parameters depending on process requirements. Flow rate, pressure, and basic physico-

chemical water quality parameters (measured with commercially available probes) are among these parameters.

Each test rig has to work individually and as a part of a customisable interconnected water processing chain. Connections between test rigs are needed to ensure complete operation flexibility, allowing the possibility to connect test rigs in any order.

II.2.5. Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.6. Estimated value

Value excluding VAT: 450 000,00 EUR

II.2.7. Duration of the contract, framework agreement or dynamic purchasing system

Start: 17/04/2023

This contract is subject to renewal: no

II.2.9. Information about the limits on the number of candidates to be invited

Envisaged number of candidates: 3
Objective criteria for choosing the limited number of candidates:

The number of candidates is limited due to the competition negotiated procedure. Conduct negotiations with unlimited candidates significantly complicates the tender process.

A maximum of three (3) candidates will be invited to the negotiations. If there are less than three (3), suitable candidates, the Contracting Authority may continue the procedure by inviting all candidates who meet the eligibility criteria to submit a preliminary tender.

II.2.10. Information about variants

Variants will be accepted: no

II.2.11. Information about options

Options: yes

Description of options:

Maintenance and repair services can be obtained from the selected supplier during the contract period.

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
no

II.2.14. Additional information

Candidates are not entitled to any compensation for applying for participation, nor any other duties performed during the competition.

Section III: Legal, economic, financial and technical information

III.1. Conditions for participation

III.1.1. Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions:

Selection criteria as specified in the procurement documents.

III.1.2.

Economic and financial standing

Selection criteria as stated in the procurement documents

III.1.3. Technical and professional ability

Selection criteria as stated in the procurement documents

III.2. Conditions related to the contract

III.2.2. Contract performance conditions

Selection criteria as specified in the procurement documents.

III.2.3. Information about staff responsible for the performance of the contract

Obligation to indicate the names and professional qualifications of the staff assigned to performing the contract

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Competitive dialogue

IV.1.3. Information about a framework agreement or a dynamic purchasing system

IV.1.8. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: yes

IV.2. Administrative information

IV.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2022/S 089-242249](#)

IV.2.2. Time limit for receipt of tenders or requests to participate

Date: 18/10/2022 Local time: 12:00

IV.2.3. Estimated date of dispatch of invitations to tender or to participate to selected candidates

IV.2.4. Languages in which tenders or requests to participate may be submitted

English

IV.2.6. Minimum time frame during which the tenderer must maintain the tender

Duration in months: 6 (from the date stated for receipt of tender)

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.2. Information about electronic workflows

Electronic ordering will be used

Electronic invoicing will be accepted

Electronic payment will be used

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Markkinaoikeus

Postal address: Sörnäistenkatu 1

Town: Helsinki

Postal code: 00580

Country: Finland

E-mail: markkinaoikeus@oikeus.fi

Telephone: +358 295643300

Internet address: <http://www.oikeus.fi/markkinaoikeus>

VI.5. Date of dispatch of this notice

15/09/2022