

Finland-Mikkeli: Command and control system, printing, graphics, office automation and information-processing equipment

OJ S 77/2023 19/04/2023

Contract notice

Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: South-Eastern Finland University of Applied Sciences

National registration number: 2472908-2

Postal address: Patteristonkatu 3 D

Town: Mikkeli

NUTS code: FI1D1 Etelä-Savo

Postal code: 50100

Country: Finland

Contact person: Nuutti Teräsalmi

E-mail: nuutti.terasalmi@xamk.fi

Telephone: +358 406373890

Internet address(es):Main address: <http://www.xamk.fi>**I.3. Communication**

The procurement documents are available for unrestricted and full direct access, free of charge, at: <https://tarjouspalvelu.fi/xamk?id=455171&tpk=6aa16e9a-c799-473f-a487-f4c31ea6633f>

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted electronically via: <https://tarjouspalvelu.fi/xamk?id=455171&tpk=6aa16e9a-c799-473f-a487-f4c31ea6633f>**I.4. Type of the contracting authority**

Other type: Publicly owned company

I.5. Main activity

Education

Section II: Object

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

A large-scale 3D printer

Reference number: 203/02.06.00/2023

II.1.2. Main CPV code

42960000 Command and control system, printing, graphics, office automation and information-processing equipment

II.1.3. Type of contract

Supplies

II.1.4. Short description

South-Eastern Finland University of Applied Sciences (Xamk) is purchasing a large-scale 3D printer according to this tender documentation. Equipment will be located to the new test laboratory for wood and hybrid construction in Savonlinna. The builder will hand over the building to Xamk in December 2023. The floor space available for the device in the laboratory is roughly 7m x 7m

The total price of the offers must be less than € 200,000 (0% VAT).

II.1.5. Estimated total value

Value excluding VAT: 200 000,00 EUR

II.1.6. Information about lots

This contract is divided into lots: no

II.2. Description

II.2.3. Place of performance

NUTS code: FI1D1 Etelä-Savo

Main site or place of performance: Savonlinna

II.2.4. Description of the procurement

South-Eastern Finland University of Applied Sciences (Xamk) asks offers for the Electronics 3K-factory in Savonlinna about a largescale 3D pellet printer. The smallest allowed printing area for the 3D printer to be purchased is 120 cm x 120 cm and the smallest permitted printing height is 1 m. The system must be portal or gantry-based solution. We don't accept systems based on an industrial articulated robot.

The machine will be purchased by an investment project AMBIO Laiteprojekti (Additive manufacturing technologies for the regional bio economy cluster - investment project). The machine must be capable to process all thermoplastic materials in pellet form or in granules. The equipment will be used both in material research tasks and in small series test production. In addition to standard plastics, the device must be able to 3d print recycled plastics and polymers reinforced with wood fiber or other composites developed for 3D printing.

The maximum purchase price (all acquisition costs excluding taxes) is under 200 000 €.

However, Xamk reserves for itself the possibility of additional purchases of a maximum of 50% from the winner of this tender in accordance with the Procurement Act.

The equipment offered must include the necessary parts, accessories, tools and software. The offer must also include the material feeding system, pellet drying, cooling required by the device, closed housing and the possibility of remote monitoring. All nozzle sizes available must be included to the offer and to the total price. The bid price must include all costs, including user training, user manuals, delivery costs to Savonlinna and other costs. The only exception to this is the extra accessories offered separately as an option, which must not be absolutely mandatory when using the machine. Examples of such additional devices are a milling head suitable for the same device or nozzle equipment for 45-degree 3d printing.

Some other absolute requirements:

- The warranty time is min 2 years
- Heated printing platform. The printing platform must be able to be heated to at least 120 degrees if necessary
- A maximum nozzle temperature must be at least 350 °C
- The minimum number of heating zones in the extrusion system is 3

- Mandatory nozzle sizes are 2, 4, 6 and 8 mm
 - Printing output at least 4.5 kg/h
 - The delivery must include a starter package of 3D printing material that can be used to provide user training and to test and check the device for acceptance of the delivery. Other additional accessories can be offered separately as an accessory and as an option alongside the actual equipment on offer. However, it should be possible to start the 3D printing and research of thermoplastic polymers and composites with pellets or granules with the equipment and the package included in the price offered.
- The offered products must be CE-approved and -marked in terms of the relevant requirements.

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: 200 000,00 EUR

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

Start: 01/06/2023

This contract is subject to renewal: no

II.2.10. Information about variants

Variants will be accepted: no

II.2.11. Information about options

Options: no

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

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Open procedure

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: no

IV.2. Administrative information

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

Date: 17/05/2023 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

Finnish, English

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

Duration in months: 3 (from the date stated for receipt of tender)

IV.2.7. Conditions for opening of tenders

Date: 17/05/2023 Local time: 12:15

Place:

Mikkeli

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.2. Information about electronic workflows

Electronic invoicing will be accepted

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Markkinaoikeus

Postal address: Radanrakentajantie 5

Town: Helsinki

Postal code: 00520

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

14/04/2023