

Denmark-Kgs. Lyngby: Super computer
OJ S 79/2023 21/04/2023
Contract notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Danmarks Tekniske Universitet - DTU

National registration number: 30060946

Postal address: Anker Engelunds Vej 1

Town: Kgs. Lyngby

NUTS code: DK01 Hovedstaden

Postal code: 2800

Country: Denmark

Contact person: David Fajnzyblber

E-mail: dafaj@dtu.dk

Internet address(es):

Main address: <http://www.dtu.dk>

Address of the buyer profile: <https://eu.eu-supply.com/ctm/Company/CompanyInformation/Index/165863>

I.3. Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: http://eu.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=361688&B=DTU

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted electronically via: http://eu.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=361688&B=DTU

Tenders or requests to participate must be submitted to the abovementioned address

I.4. Type of the contracting authority

Body governed by public law

I.5. Main activity

Education

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

High Performance Computing system

II.1.2. Main CPV code

30211100 Super computer

II.1.3. Type of contract

Supplies

II.1.4. Short description

DTU's Department of Physics invites tenders for a Linux cluster High Performance Computer (HPC) system to be used for floating-point intensive numerical simulations using the researchers' own de-veloped computer codes as well as some commercial codes. The main scientific research focus is on studies of materials and materials design at the atomic scale using quantum-mechanical calculations. The primary quantum-mechanical codes employed are GPAW, VASP, and ADF. Tenderers should offer very fast processors and compute nodes for such CPU- and memory-intensive applications.

II.1.5. Estimated total value

Value excluding VAT: 9 200 000,00 DKK

II.1.6. Information about lots

This contract is divided into lots: no

II.2. Description

II.2.2. Additional CPV code(s)

30230000 Computer-related equipment

II.2.3. Place of performance

NUTS code: DK01 Hovedstaden

II.2.4. Description of the procurement

DTU's Department of Physics invites tenders for a Linux cluster High Performance Computer (HPC) system to be used for floating-point intensive numerical simulations using the researchers' own de-veloped computer codes as well as some commercial codes. The main scientific research focus is on studies of materials and materials design at the atomic scale using quantum-mechanical calculations. The primary quantum-mechanical codes employed are GPAW, VASP, and ADF. Tenderers should offer very fast processors and compute nodes for such CPU- and memory-intensive applications.

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: 9 200 000,00 DKK

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

Duration in months: 60

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: yes

Description of options:

Option: Tenderer may offer optional 48-port 1U Ethernet switches containing at least one (1) SFP+ 10 Gbit or SFP28 25 Gbit uplink port including a multi-mode (SR) fiber transceiver in the rack's position 41 and 42. Customer may decide to install his own switches instead.

Minimum option: Tenderer must offer optional installation of RJ45 Ethernet cabling to servers as well as BMCs within the racks.

Minimum option: Tenderer must offer optional inter-switch High-speed fabric network fiber cables (see R 9.6) of sufficient lengths (5-10 meter) for inter-rack cabling. The customer will install these fiber cables by himself.

Minimum option: Tenderer must offer optional Dual-socket (2P) or Quad-socket (4P) servers.

Minimum option: Tenderer must offer customer the option of buying at later dates (specified in R 15.3 and R 15.4) extra equipment of up to 12 servers,, up to 2 High-speed fabric switches with necessary fabric cables.

The optional equipment must be identical to the initial delivery for seamless adding to the installation, which must remain homogeneous.

Minimum option: Tenderer must offer customer the option of buying at later dates (specified in R 15.3 and R 15.4) extra equipment of up to 3 racks (without any servers or network) including all necessary PDUs and liquid manifolds.

Tenderer must specify separately the cost of installation of liquid tube/pipe connections between manifolds and the central CDU.

The optional equipment must be identical to the initial delivery for seamless adding to the installation, which must remain homogeneous.

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 III: Legal, economic, financial and technical information

III.1. Conditions for participation

III.1.2. Economic and financial standing

Minimum level(s) of standards possibly required:

The Tenderers must state the specific yearly turnover in the business area covered by the contract for the last three audited financial years, and the minimum level for suitability is 2 x the contract value calculated as an average of the turnover in the last three financial years.

The Tenderers must state the Profit margin for the last three audited financial years, and the Solvency ratio for the last audited financial year.

The average for the Profit margin for the three financial years must minimum be 0 and the Solvency ratio must minimum be 0.

III.1.3. Technical and professional ability

Minimum level(s) of standards possibly required:

As a minimum the Tenderer must provide 3 references for comparable agreements.

Comparable agreements mean agreements with a value of at least DKK 2.500.000 concerning a High-Performance Computing system. The agreements, to which the reference refers, must not be more than 5 years old. The date is calculated from the last signature on the agreement referred to.

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: yes

IV.2. Administrative information

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

Date: 23/06/2023 Local time: 14:00

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)

IV.2.7. Conditions for opening of tenders

Date: 23/06/2023 Local time: 14:00

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: yes

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Klagenævnet for Udbud

Postal address: Nævnenes hus, Toldboden 2

Town: Viborg

Postal code: 8800

Country: Denmark

E-mail: klfu@erst.dk

Telephone: +45 35291000

Internet address: <http://www.klfu.dk>

VI.4.3. Review procedure

Precise information on deadline(s) for review procedures:

Complaint regarding the award of a contract must be submitted no later than 45 calendar days from the date after the Contracting Authority has published a notice in the European Union

Official Journal informing that the Contracting Authority has awarded/concluded a contract, cf.

lov om Klagenævnet for Udbud (Complaints Board for Tenders) § 7, Section 2, no. 1.

VI.4.4. Service from which information about the review procedure may be obtained

Official name: Konkurrence- og Forbrugerstyrelsen

Postal address: Carl Jacobsens Vej 35

Town: Valby

Postal code: 2500

Country: Denmark

E-mail: kfst@kfst.dk

Telephone: +45 41715000

Internet address: <http://www.kfst.dk>

VI.5. Date of dispatch of this notice

17/04/2023