

**Denmark-Kgs. Lyngby: Mass spectrometer**  
**OJ S 124/2020 30/06/2020**  
**Contract notice**  
**Supplies**

**Legal Basis:**

Directive 2014/24/EU

**Section I: Contracting authority**

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**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: Katrine Freiesleben Petersen

E-mail: [kafre@dtu.dk](mailto:kafre@dtu.dk)

Telephone: +45 45252525

**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=271462&B=DTU](http://eu.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=271462&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=271462&B=DTU](http://eu.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=271462&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**

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

A Mass Spectrometer with Ion-mobility Capable of Imaging (MSI) and Electrospray Ionisation (ESI)

**II.1.2. Main CPV code**

38433100 Mass spectrometer

### **II.1.3. Type of contract**

Supplies

### **II.1.4. Short description**

DTU requires a mass spectrometer (MS) with ion mobility and capable of mass spectrometry imaging (MSI), as well as electrospray ionisation (ESI). The MS that is required must be capable of acquiring MSI data at a very small spatial resolution as the primary application of the MS will be in the detection of secondary metabolites produced by microorganisms. The MS needs to have a relatively high mass resolution that is independent of acquisition rate, as the primary application for the MS will be in the detection of secondary metabolites in chemically complex samples with the purpose of undertaking non-targeted multivariate metabolomics studies. The predominant application of the MS will be in non-targeted metabolomics (either in MSI, or ESI), and therefore the required MS must produce high quality data in data independent acquisition with high sensitivity, at the same time maximising molecular feature information quality. See more in the document 'Instructions to tenderers'.

### **II.1.5. Estimated total value**

Value excluding VAT: 6 500 000,00 DKK

### **II.1.6. Information about lots**

This contract is divided into lots: no

## **II.2. Description**

### **II.2.2. Additional CPV code(s)**

38430000 Detection and analysis apparatus, 38432000 Analysis apparatus, 38434560 Chemistry analyser

### **II.2.3. Place of performance**

NUTS code: DK01 Hovedstaden

Main site or place of performance: Kgs. Lyngby.

### **II.2.4. Description of the procurement**

The DTU Department of Bioengineering requires a mass spectrometer (MS) with ion mobility and capable of mass spectrometry imaging (MSI), as well as electrospray ionisation (ESI). The MS that is required must be capable of acquiring MSI data at a very small spatial resolution as the primary application of the MS will be in the detection of secondary metabolites produced by microorganisms. The MS needs to have a relatively high mass resolution that is independent of acquisition rate, as the primary application for the MS will be in the detection of secondary metabolites in chemically complex samples with the purpose of undertaking non-targeted multivariate metabolomics studies. The predominant application of the MS will be in non-targeted metabolomics (either in MSI, or ESI), and therefore the required MS must produce high quality data in data independent acquisition with high sensitivity, at the same time maximising molecular feature information quality. Required molecular feature information in data independent.

Acquisition includes collisional cross section (CCS) values for precursor ions, fragmentation spectra, and accurate mass of precursor and product ions.

The MS will become part of a metabolomics platform within the Bioengineering Department at the Technical University of Denmark, and therefore, the MS will have a wide variety of users, and data acquired from this MS will be used in teaching settings. To this effect, the required MS must be user friendly, and must be accompanied by a reasonable solution to providing multiple students, short term access to data analysis software.

### **II.2.5. Award criteria**

Criteria below

Quality criterion - Name: Quality and functionality / Weighting: 70 %

Price - Weighting: 30 %

### **II.2.6. Estimated value**

Value excluding VAT: 6 500 000,00 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:

Service option 1: DTU would like an option of an extended service agreement. The tenderer should provide and option for a 1 year full service agreement.

Service option 2: DTU would like an option of an extended service agreement. The tenderer should provide and option for 4 years extended full service agreement.

Preventative maintenance option 1: DTU would like an option of a preventative maintenance agreement. The tenderer should provide an option for an additional 1 year of preventative maintenance services.

Preventative maintenance option 2: DTU would like an option of a preventative maintenance agreement. The tenderer should provide and option for an additional 4 years of preventative maintenance services.

### **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**

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### **III.1. Conditions for participation**

#### **III.1.2. Economic and financial standing**

Minimum level(s) of standards possibly required:

To be sure the tenderer possess the necessary level for economic and financial standing, it's a requirement, that the tenderer by 1 June 2020 has a minimum equity of DKK 1 000 000.00.

If the tenderer can't state the required figure for economic and financial standing, the tenderer can document their economic and financial standing by sending an on-demand guarantee with a value of DKK 1 000 000.00.

If the tenderer cannot comply with the requirement, the tenderer can rely on the capacities of other entities or establish a consortium.

#### **III.1.3. Technical and professional ability**

Minimum level(s) of standards possibly required:

To be sure the tenderer possess the necessary level of technical and professional ability, it's a requirement, that the tenderer as a minimum give 3 references for comparable agreements.

Comparable agreements shall mean agreements with a value of at least DKK 2 000 000.00 regarding delivery of a mass spectrometer. The agreement the reference is referring to can't be more than 3 year olds, counted from the date of delivery of the mass spectrometer. If the tenderer is unable to fulfil the requirement, the tenderer can rely on the capacities of other entities or make a consortium.

## Section IV: Procedure

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### 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: 05/08/2020 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: 05/08/2020 Local time: 14:00

## Section VI: Complementary information

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### VI.1. Information about recurrence

This is a recurrent procurement: no

### 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](mailto: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 contract:

Complaint regarding the award of contract must be submitted no later than 45 calendar days from the date after the contracting authority has published a contract award notice in the European Union Official Journal informing that the contracting authority has awarded the contract, cf. lov om Klagenævnet for Udbud § 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](mailto:kfst@kfst.dk)

Telephone: +45 41715000

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

**VI.5. Date of dispatch of this notice**

26/06/2020