

Denmark-Lyngby: Mass spectrometer
OJ S 11/2018 17/01/2018
Contract award notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Danmarks Tekniske Universitet / Technical University of Denmark

Postal address: 2800

Town: Lyngby

NUTS code: DK012 Københavns omegn

Country: Denmark

Contact person: Johanne Liv Pedersen

E-mail: jolip@dtu.dk

Internet address(es):

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

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

Q Exactive HF with Vanquish Flex

II.1.2. Main CPV code

38433100 Mass spectrometer

II.1.3. Type of contract

Supplies

II.1.4. Short description

A Thermo Scientific Q Extractive HF with Vanquish Flex UHPLC system.

II.1.6. Information about lots

This contract is divided into lots: no

II.1.7. Total value of the procurement

Value excluding VAT: 3 100 000,00 DKK

II.2. Description

II.2.3. Place of performance

NUTS code: DK012 Københavns omegn

II.2.4. Description of the procurement

Due to the complexity of crude oil, full characterisation of its components requires a combination of multiple complimentary instrumental techniques. Currently, our laboratory has advanced gas chromatography and mass spectrometry facilities for analyse volatile /semi-volatile and low to medium molecular weight compounds. However, we lack the capability for identification of polar and high molecular weight constituents. Therefore, we wish to acquire a mass spectrometer (MS) coupled to a high-pressure liquid chromatography system.

II.2.5. Award criteria

Price

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

Award of a contract without prior publication of a call for competition in the Official Journal of the European Union in the cases listed below

- The works, supplies or services can be provided only by a particular economic operator for the following reason:
 - absence of competition for technical reasons

Explanation:

Due to the complexity of crude oil, full characterization of its components requires a combination of multiple complimentary instrumental techniques. Currently, our laboratory has a requirement for a high-resolution MS system for petroleum analysis. Where as mass resolution allows the separation of compounds with a near identical molecular weight, mass accuracy allows determination of molecular formula. For successful determination of molecular structure, ultra-high mass resolution and accuracy are a pre-requisite when analyzing complex mixtures. A common isobaric motif in petroleomics is C₃ and SH₄ ($\Delta m = 3.4$ mDa), which requires a resolution of >100k for separation at m/z 400 (assuming equal peak intensity). At m/z 800, the required resolution is >230k. The Q extractive series of instruments uniquely meets these requirements on the market.

To accommodate the varying ionization potential of different compound classes, the instrument should have a swappable ionization source (with options for ESI, APPI, APCI) and operate in positive and negative mode. Further, to analyze species not separable by chromatography the instrument should have the option of direct infusion and a possibility of future upgrades with ambient ionization sources.

The Vanquish flex is the natural choice for coupling to an Orbitrap MS as the same software suite can control both components. Additionally, we currently have a Dionex Ultimate 3000 SD

system, which is the previous model, for semi-preparative fractionation, which means that we will have the added benefit from being familiar with the system and having interchangeable spare parts and consumables.

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: [2017/S 236-490065](#)

IV.2.8. Information about termination of dynamic purchasing system

IV.2.9. Information about termination of call for competition in the form of a prior information notice

Section V: Award of contract

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

19/12/2017

V.2.2. Information about tenders

Number of tenders received: 1

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: Thermo Electron

Town: Hvidovre

NUTS code: DK012 Københavns omegn

Country: Denmark

The contractor is an SME: no

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 3 100 000,00 DKK

V.2.5. Information about subcontracting

Section VI: Complementary information

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Klagenævnet for Udbud /The Complaints Board for Public Procurement

Postal address: Nævnenes Hus, Toldboden 2

Town: Viborg

Postal code: 8800

Country: Denmark
E-mail: klfu@erst.dk
Telephone: +45 35291000
Internet address: <https://erhvervsstyrelsen.dk/klagenaevnet-for-udbud>

VI.4.3. Review procedure

Precise information on deadline(s) for review procedures:

Pursuant to Danish act on the complaints board for public procurement (act n^o. 492 of 12.5.2010 with subsequent amendments – available at www.retsinformation.dk), the following time limits for filing a complaint apply: Complaints must be filed with the complaints board for public procurement within 1: 45 calendar days after the contracting authority has published a contract award notice in the Official Journal of the European Union (with effect from the day following the publication date) 2: 30 calendar days starting the day after the contracting authority has informed the tenderers in question, that the contracting authority has entered into a contract based on a framework agreement through reopening of competition or a dynamic purchasing system, provided that the notification includes a short account of the relevant reasons for the decision. 3: 6 months starting the day after the contracting authority has sent notification to the candidates /tenderers involved that the contracting authority has entered into the framework agreement, cf. § 2(2) or § 171(4) of the act on public procurement, provided that the notification included a short account of the relevant reasons for the decision. 4) 20 calendar days starting the day after the contracting authority has published a notice concerning his decision to uphold the contract, cf. § 185 (2) of the act on public procurement. The complainant must inform the contracting authority of the complaint in writing at the latest simultaneously with the lodge of the complaint to the complaints board for public procurement stating whether the complaint has been lodged in the stand-still period, cf. § 6(4) of the act on the complaints board for public procurement. If the complaint has not been lodged in the stand-still period, the complainant must also state whether it is requested that the appeal is granted delaying effect, cf. § 12(1) of the said act. The e-mail of the complaints board for public procurement is stated in section VI.4.1. The complaints board for public procurement's own guidance note concerning complaints is available at the internet address stated in section VI.4.1.

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

Official name: Konkurrence- og Forbrugerstyrelsen / Danish Competition and Consumer Authority
Postal address: Carl Jacobsens Vej 35
Town: Kgs. Lyngby
Postal code: 2800
Country: Denmark
E-mail: kfst@kfst.dk
Telephone: +45 41715000
Internet address: <http://www.kfst.dk/>

VI.5. Date of dispatch of this notice

15/01/2018