

127788-2026 - Direct award preannouncement

Denmark – Detection and analysis apparatus – Linser til røntgenstråling/diamondoptics

OJ S 38/2026 24/02/2026

Voluntary ex-ante transparency notice

Supplies

1. Buyer

1.1. Buyer

Official name: Danmarks Tekniske Universitet - DTU

Email: aalb@dtu.dk

Legal type of the buyer: Body governed by public law

Activity of the contracting authority: Education

2. Procedure

2.1. Procedure

Title: Linser til røntgenstråling/diamondoptics

Description: DTU is acquiring, from Deutsches Elektronen-Synchrotron DESY, 2D diamond compound refractive lenses to focus the hard X-ray beam at the DanMAC beamline. The lenses must focus the beam to sizes of less than 3 µm (FWHM) in the photon energy range 15-35 keV. The packaging of the lenses must be configured in predefined sets and be very compact to allow easy handling and to fit them in near the sample position. The lens sets must each have a phase corrector (also made from diamond) to correct for aberrations in the lenses. The lens sets must have alignment features to facilitate easy alignment in the X-ray beam. A pinhole mounted in a similar holder is also included in this procurement. The lenses from DESY are specifically designed to be highly compact as the individual lenses are mounted together in a common holder. Each holder can hold up to 20 lenses within an envelope comparable with just 3 lenses of the conventional design. This compact design is highly advantageous to fit the CRLs in near the sample position. The DESY design is further incorporating a phase corrector plate in diamond. This phase plate is correcting unavoidable aberrations from the lenses, and required for the microfocus application at the DanMAX beamline. The lenses from other suppliers cannot be delivered with a phase correction plate.

Procedure identifier: 7c605fc5-8701-463d-a584-e3df66f9996f

Internal identifier: 10747

Type of procedure: Negotiated without prior call for competition

2.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38430000 Detection and analysis apparatus

2.1.2. Place of performance

Anywhere

2.1.4. General information

Legal basis:

Directive 2014/24/EU

5. Lot

5.1. Lot: LOT-0000

Title: Linser til røntgenstråling/diamondoptics

Description: DTU is acquiring, from Deutsches Elektronen-Synchrotron DESY, 2D diamond compound refractive lenses to focus the hard X-ray beam at the DanMAC beamline. The lenses must focus the beam to sizes of less than 3 µm (FWHM) in the photon energy range 15-35 keV. The packaging of the lenses must be configured in predefined sets and be very compact to allow easy handling and to fit them in near the sample position. The lens sets must each have a phase corrector (also made from diamond) to correct for aberrations in the lenses. The lens sets must have alignment features to facilitate easy alignment in the X-ray beam. A pinhole mounted in a similar holder is also included in this procurement. The lenses from DESY are specifically designed to be highly compact as the individual lenses are mounted together in a common holder. Each holder can hold up to 20 lenses within an envelope comparable with just 3 lenses of the conventional design. This compact design is highly advantageous to fit the CRLs in near the sample position. The DESY design is further incorporating a phase corrector plate in diamond. This phase plate is correcting unavoidable aberrations from the lenses, and required for the microfocus application at the DanMAX beamline. The lenses from other suppliers cannot be delivered with a phase correction plate. Internal identifier: 10747

5.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38430000 Detection and analysis apparatus

5.1.2. Place of performance

Anywhere

5.1.6. General information

The procurement is covered by the Government Procurement Agreement (GPA): yes

5.1.16. Further information, mediation and review

Mediation organisation: Konkurrence- og Forbrugerstyrelsen

Review organisation: Klagenævnet for Udbud

Organisation providing more information on the review procedures: Danmarks Tekniske Universitet - DTU

6. Results

Value of all contracts awarded in this notice: 111 660,00 EUR

Direct award

:

Justification for direct award: The contract can be provided only by a particular economic operator because of an absence of competition for technical reasons

Other justification: The lenses from DESY are specifically designed to be highly compact as the individual lenses are mounted together in a common holder. Each holder can hold up to 20 lenses within an envelope comparable with just 3 lenses of the conventional design. This compact design is highly advantageous to fit the CRLs in near the sample position. The DESY design is further incorporating a phase corrector plate in diamond. This phase plate is correcting unavoidable aberrations from the lenses, and required for the microfocus application at the DanMAX beamline. The lenses from other suppliers cannot be delivered with a phase correction plate.

6.1. Result lot identifier: LOT-0000

6.1.2. Information about winners

Winner:

Official name: Deutsches Elektronen-Synchrotron DESY

Tender:

Tender identifier: 200411830

Identifier of lot or group of lots: LOT-0000

Contract information:

Identifier of the contract: 10747

Title: Linser til røntgenstråling/diamondoptics

8. Organisations

8.1. ORG-0001

Official name: Danmarks Tekniske Universitet - DTU

Registration number: 30060946

Postal address: Anker Engelunds Vej 1

Town: Kgs. Lyngby

Postcode: 2800

Country subdivision (NUTS): Københavns omegn (DK012)

Country: Denmark

Contact point: Andrea Albert

Email: aalb@dtu.dk

Telephone: +45 93511466

Internet address: <https://www.dtu.dk>

Buyer profile: <https://eu.eu-supply.com/ctm/company/companyinformation/index/165863>

Roles of this organisation:

Buyer

Organisation providing more information on the review procedures

8.1. ORG-0002

Official name: Klagenævnet for Udbud

Registration number: 37795526

Postal address: Nævnenes hus, Toldboden 2

Town: Viborg

Postcode: 8800

Country subdivision (NUTS): Østjylland (DK042)

Country: Denmark

Email: klfu@erst.dk

Telephone: +45 35291000

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

Roles of this organisation:

Review organisation

8.1. ORG-0003

Official name: Konkurrence- og Forbrugerstyrelsen

Registration number: 10294819

Postal address: Carl Jacobsens Vej 35

Town: Valby

Postcode: 2500
Country subdivision (NUTS): Byen København (DK011)
Country: Denmark
Email: kfst@kfst.dk
Telephone: +45 41715000
Internet address: <http://www.kfst.dk>

Roles of this organisation:

Mediation organisation

8.1. ORG-0004

Official name: Deutsches Elektronen-Synchrotron DESY

Registration number: DE118714904

Town: Hamburg

Postcode: 22607

Country subdivision (NUTS): Hamburg (DE600)

Country: Germany

Roles of this organisation:

Tenderer

Winner of these lots: LOT-0000

8.1. ORG-0005

Official name: Merzell Holding ASA

Registration number: 980921565

Postal address: Askekroken 11

Town: Oslo

Postcode: 0277

Country subdivision (NUTS): Oslo (NO081)

Country: Norway

Contact point: eSender

Email: publication@mercell.com

Telephone: +47 21018800

Fax: +47 21018801

Internet address: <http://mercell.com/>

Roles of this organisation:

TED eSender

Notice information

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