

497956-2026 - Competition

Germany – Surface observing apparatus – nano-XCT inspection tool (IMWS-04.1) - PR924099-2690-P

OJ S 137/2026 20/07/2026

Contract or concession notice – standard regime - Change notice
Supplies

1. Buyer

1.1. Buyer

Official name: Fraunhofer-Gesellschaft - Einkauf B12

Email: einkauf@zv.fraunhofer.de

Legal type of the buyer: Public undertaking

Activity of the contracting authority: General public services

2. Procedure

2.1. Procedure

Title: nano-XCT inspection tool (IMWS-04.1) - PR924099-2690-P

Description: nano-XCT inspection tool (IMWS-04.1)

Procedure identifier: b9601095-6e90-4877-896e-98251679aa84

Internal identifier: PR924099-2690-P

Type of procedure: Negotiated with prior publication of a call for competition / competitive with negotiation

The procedure is accelerated: no

2.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38126000 Surface observing apparatus

2.1.2. Place of performance

Town: Halle

Postcode: 06120

Country subdivision (NUTS): Halle (Saale), Kreisfreie Stadt (DEE02)

Country: Germany

2.1.4. General information

Legal basis:

Directive 2014/24/EU

vgv -

2.1.6. Grounds for exclusion

Sources of grounds for exclusion: Notice, Procurement Document, European Single Procurement Document (ESPD)

Analogous situation like bankruptcy, insolvency or arrangement with creditors under national law:

Corruption:

Participation in a criminal organisation:

Agreements with other economic operators aimed at distorting competition:

Breaching of obligations in the fields of environmental law:
 Money laundering or terrorist financing:
 Fraud:
 Child labour and including other forms of trafficking in human beings:
 Insolvency:
 Breaching of obligations in the fields of labour law:
 Assets being administered by liquidator:
 Misrepresentation, withheld information, unable to provide required documents or obtained confidential information of this procedure:
 Conflict of interest due to its participation in the procurement procedure:
 Direct or indirect involvement in the preparation of this procurement procedure:
 Grave professional misconduct:
 Early termination, damages, or other comparable sanctions:
 Breaching of obligations in the fields of social law:
 Breaching obligation relating to payment of social security contributions:
 Business activities are suspended:
 Breaching obligation relating to payment of taxes:
 Terrorist offences or offences linked to terrorist activities:
 Breaching of obligations set under purely national exclusion grounds: All relevant mandatory and optional grounds for exclusion stipulated by national law apply.

5. Lot

5.1. Lot: LOT-0000

Title: nano-XCT inspection tool (IMWS-04.1) - PR924099-2690-P

Description: 1 Piece Nano-XCT Inspection Tool The Fraunhofer Institute for Microstructure of Materials and Systems IMWS investigates the application behavior, reliability, safety, and service life of innovative materials in components and systems. The "Electronic Materials and Components" division of Fraunhofer IMWS supports industry and research partners with its internationally recognized expertise in the field of failure analysis of electronic components. Fraunhofer IMWS will expand its competencies in advanced failure analysis and material characterization to support the ramp-up of new technologies for heterogeneous integration and to address the challenges related to manufacturing and reliability. To enable the non-destructive detection and evaluation of structural deviations, contact defects, and damage characteristics, as well as their precise localization within the package—thus creating the basis for further high-resolution physical diagnostics—the use of the latest generation of X-ray microscopy (XRM) systems is required. The instrument should offer the capability to use various target materials in combination with microscope optics and different detector technologies to resolve the submicroscopic structure and heterogeneous material combinations of QMI and 2.5/3D devices. The option to expand the system with a second X-ray source for imaging materials with low absorption would be a valuable addition, enabling the analysis of heterogeneous material combinations with high sample throughput while simultaneously achieving the best possible detail and contrast resolution. This tender covers the delivery of a fully functional system, including assembly, commissioning, all necessary connections, approvals/certifications, and the software required for operation. The requirements for a state-of-the-art precision X-ray microscope for highly integrated 2.5/3D devices are described below. Optionen: 1.6.3. Scanning diffraction contrast tomography Imaging method for displaying and analyzing crystallographic grain information using X-ray diffraction. 1.7.2. Software "Software/ Control" Software or add-on software modules to optimize measurement processes (in terms of throughput, quality of results, etc.) and for

optimizing measurement data sets (artifact reduction, volume reconstruction, analysis tools, etc.). Option to access machine settings for individual adaptation of measurement routines, for trigger setting from external interfaces and for machine data evaluation."

Internal identifier: LOT-0000

5.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38126000 Surface observing apparatus

5.1.2. Place of performance

Town: Halle

Postcode: 06120

Country subdivision (NUTS): Halle (Saale), Kreisfreie Stadt (DEE02)

Country: Germany

5.1.3. Estimated duration

Duration: 9 Months

5.1.6. General information

Reserved participation:

Participation is not reserved.

The names and professional qualifications of the staff assigned to perform the contract must be given: Not required

Procurement Project not financed with EU Funds.

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

This procurement is also suitable for small and medium-sized enterprises (SMEs): yes

Additional information: #Also particularly suitable for:other-sme#

5.1.7. Strategic procurement

Aim of strategic procurement: No strategic procurement

5.1.9. Selection criteria

Sources of selection criteria: Notice, Procurement Document

Criterion: References on specified works

Description of selection criterion: References for at least 20 XRM machines that are currently in use at customer sites and are supported by a global sales and service network, with a maximum age of five years

Criterion: Certificates by independent bodies about quality assurance standards

Description of selection criterion: Certificate DIN ISO 9001

Criterion: Other economic or financial requirements

Description of selection criterion: Self-declaration GWB + Self-declaration Russia 1. Self-declaration regarding the absence of grounds for exclusion pursuant to Sections 123 and 124 GWB 2. Self-declaration (EU) No. 833/2014 3. Proof of Public Liability Insurance 4.

Declaration of Joint Bidders Requirement for Joint Bidders: Jointly and severally liable, with an authorized representative. Authorized Representative.

Criterion: Financial ratio

Description of selection criterion: Turnover of the last three financial years. Please refer to the direkt link for all other eligibility criteria

Information about the second stage of a two-stage procedure:

Minimum number of candidates to be invited for the second stage of the procedure: 3

5.1.10. Award criteria

Criterion:

Type: Quality

Name: Technical Specifications

Description: Technical Specifications

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 65

Criterion:

Type: Price

Name: Price

Description: Price

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 35

5.1.11. Procurement documents

Languages in which the procurement documents are officially available: German

Address of the procurement documents: https://vergabe.fraunhofer.de/NetServer/TenderingProcedureDetails?function=_Details&TenderOID=54321-Tender-19e49e641f8-fa444cc04f9a951

5.1.12. Terms of procurement

Terms of submission:

Electronic submission: Allowed

Address for submission: <https://vergabe.fraunhofer.de>

Languages in which tenders or requests to participate may be submitted: German

Electronic catalogue: Not allowed

Variants: Not allowed

Tenderers may submit more than one tender: Allowed

Deadline for receipt of requests to participate: 02/07/2026 10:00:00 (UTC+02:00) Eastern European Time, Central European Summer Time

Information that can be supplemented after the submission deadline:

At the discretion of the buyer, all missing tenderer-related documents may be submitted later.

Additional information: See procurement documents

Terms of contract:

The execution of the contract must be performed within the framework of sheltered employment programmes: No

Conditions relating to the performance of the contract: In the event that subcontractors are used, they must be named and their suitability is likewise to be substantiated on the basis of the listed documents under "Tendering terms". Furthermore, it must be confirmed that they will be available if the order is placed; their share in the scope of the contractual object must be stated.

Electronic invoicing: Allowed

Electronic ordering will be used: yes

Electronic payment will be used: yes

5.1.15. Techniques

Framework agreement:

No framework agreement

Information about the dynamic purchasing system:

No dynamic purchase system

5.1.16. Further information, mediation and review

Review organisation: Vergabekammern des Bundes

Information about review deadlines: Applications for review are not permitted if more than 15 calendar days have passed since receipt of notification from the contracting authority that it is unwilling to redress an objection (section 160 (3) sentence 1 no. 4 of the German Competition Act (Gesetz gegen Wettbewerbsbeschränkungen, GWB)). Additionally, applications for review are not permitted if an award has been made before the public procurement tribunal has informed the contracting authority about the application for review (sections 168 (2) sentence 1 and 169 (1) GWB). Contracts may be awarded 15 calendar days after the tenderer information pursuant to section 134 (1) GWB has been sent. If the information is sent electronically or by fax, the period shall be reduced to ten calendar days (section 134 (2) GWB). The period shall begin on the day after which the contracting authority sends the information; the date of receipt by the tenderer and candidate in question shall be irrelevant. The admissibility of a review application also requires that the applicant notified the contracting authority about the claimed violations of public procurement provisions within ten calendar days of becoming aware of them (section 160 (3) sentence 1 no. 1 GWB). Violations of public procurement provisions which become apparent from the tender notice must be notified to the contracting authority by the end of the time limit for the application or the submission of a tender specified in the notice (section 160 (3) sentence 1 no. 2 GWB). Violations of public procurement provisions which only become apparent from the procurement documents must be notified to the contracting authority by the end of the time limit for the application or the submission of a tender (section 160 (3) sentence 1 no. 3 GWB).

Organisation providing additional information about the procurement procedure: Fraunhofer-Gesellschaft - Einkauf B12

Organisation providing more information on the review procedures: Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.

Organisation receiving requests to participate: Fraunhofer-Gesellschaft - Einkauf B12

8. Organisations

8.1. ORG-7001

Official name: Fraunhofer-Gesellschaft - Einkauf B12

Registration number: DE 129515865

Postal address: Hansastraße 27c

Town: München

Postcode: 80686

Country subdivision (NUTS): München, Kreisfreie Stadt (DE212)

Country: Germany

Contact point: Einkauf Betrieb und Infrastruktur

Email: einkauf@zv.fraunhofer.de

Telephone: +49891205-0

Internet address: <https://vergabe.fraunhofer.de/>

Buyer profile: <https://vergabe.fraunhofer.de/NetServer/>

Roles of this organisation:

Buyer

Central purchasing body awarding public contracts or concluding framework agreements for works, supplies or services intended for other buyers

Organisation providing additional information about the procurement procedure

Organisation receiving requests to participate

8.1. **ORG-7004**

Official name: Vergabekammern des Bundes

Registration number: t:022894990

Postal address: Kaiser-Friedrich-Straße 16

Town: Bonn

Postcode: 53113

Country subdivision (NUTS): Bonn, Kreisfreie Stadt (DEA22)

Country: Germany

Email: vk@bundeskartellamt.bund.de

Telephone: +49 228 9499-0

Roles of this organisation:

Review organisation

8.1. **ORG-7005**

Official name: Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.

Registration number: DE-129515865

Postal address: Hansastrasse 27c

Town: München

Postcode: 80686

Country subdivision (NUTS): München, Kreisfreie Stadt (DE212)

Country: Germany

Email: einkauf@zv.fraunhofer.de

Telephone: +49 89 1205-0

Internet address: <https://www.fraunhofer.de>

Roles of this organisation:

Organisation providing more information on the review procedures

8.1. **ORG-7006**

Official name: Datenservice Öffentlicher Einkauf (in Verantwortung des Beschaffungsamts des BMI)

Registration number: 0204:994-DOEVD-83

Town: Bonn

Postcode: 53119

Country subdivision (NUTS): Bonn, Kreisfreie Stadt (DEA22)

Country: Germany

Email: noreply.esender_hub@bescha.bund.de

Telephone: +49228996100

Roles of this organisation:

TED eSender

10. Change

Version of the previous notice to be changed

:

882e89b7-f2f9-4885-b246-55f1364b1781-01

Main reason for change

:

Information updated

Description

:
Addition regarding link to suitability documents

10.1. Change

Section identifier: LOT-0000

Notice information

Notice identifier/version: ece5e716-50b7-416e-8e0d-770d05f140b7 - 01

Form type: Competition

Notice type: Contract or concession notice – standard regime

Notice subtype: 16

Notice dispatch date: 16/07/2026 15:31:09 (UTC+02:00) Eastern European Time, Central European Summer Time

Languages in which this notice is officially available: German, English

Notice publication number: 497956-2026

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