

185586-2026 - Konkurss

Vācija – Rūpnieciskie dimanti – High Pressure High Temperature (HPHT) Diamonds

OJ S 54/2026 18/03/2026

Paziņojums par līgumu vai paziņojums par koncesiju — standarta režīms

Piegādes

1. Pircējs

1.1. Pircējs

Oficiālais nosaukums: European X-Ray Free-Electron Laser Facility GmbH

E-pasts: tender@xfel.eu

Pircēja juridiskais statuss: Organizācija, kas piešķir līgumslēdzējas iestādes subsidētu līgumu

Līgumslēdzējas iestādes darbības joma: Izglītība

2. Procedūra

2.1. Procedūra

Nosaukums: High Pressure High Temperature (HPHT) Diamonds

Apraksts: This tender is adopted with Innovation Partnership Procedure which is a specific procurement method established under EU public procurement law (Directive 2014/24/EU), allowing public contracting authorities/companies to procure R&D services and the subsequent purchase of resulting innovative products, services or works in one integrated process. It is particularly useful when products or solutions do not exist on the market. The high-quality HPHT diamonds themselves are not inherently innovative. However, due to the current political situation, there is a lack of an established supply chain within Europe. The innovation in this case lies not in the material, but in its use: EuXFEL is pursuing the development of a prototype Diamond Double-Crystal Monochromator (Diamond DCM) using HPHT diamond, which provides significantly better thermal conductivity and quality than available CVD diamonds. Although silicon-based DCMs are already commercially available, diamond-based equivalents have not yet reached the market. Single Procedure: Combines R&D and subsequent commercial procurement, avoiding the need for a separate tender once the innovation is developed.

Procedūras identifikators: 881cfa1c-db41-47e9-983f-f323f2f52d4c

Procedūras veids: Inovācijas partnerība

2.1.1. Mērķis

Līguma veids: Piegādes

Galvenā klasifikācija (cpv): 14522200 Rūpnieciskie dimanti

2.1.2. Izpildes vieta

Valsts apakšiedalījums (NUTS): Pinneberg (DEF09)

Valsts: Vācija

2.1.4. Vispārīga informācija

Juridiskais pamats:

Direktīva 2014/24/ES

vgv -

2.1.6. Izslēgšanas iemesli

5. Daļa

5.1. Daļa: LOT-0001

Nosaukums: High Pressure High Temperature Diamonds

Apraksts: Phase 0 : Call for Competition -Request to participate, stating their understanding of the technical specifications and the expectation from EuXFEL, the expected results, milestone achievements, and the requested achievable timeframe for each phase, as well as agree the overall production plan and estimated timeline at the final phase 4, details as stated in the tender documents (Technical Specification). -Bidders must provide a concise description confirming compliance with the technical specifications including the tolerances, requested project timeline and reporting period/time frame outlined in this document. If any required parameters cannot be met, the contractor must explicitly state so in the offer, along with details of the achievable parameters. -Initial offer must be submitted based on the requirements stated on the "High Pressure High Temperature (HPHT) Diamonds" specification, under 1.2 "Diamond plates specification"- "General Geometrical and Material Specifications", as informational purpose only -Complete & Sign Tender Forms Phase 1: Initial Development and Screening In this phase, maximum five (5) bidders will be selected from Phase 0 must each deliver one (1) diamond plate together with technical report in accordance with the requirements defined below. The delivered plate shall be characterized and submitted for evaluation by EuXFEL. EuXFEL reserves the right to shortlist fewer than five (5) bidders for this stage if one or more bidders do not meet the selection criteria for this phase. Phase 2: Process Optimization The objective of this phase is the optimization of the diamond growth and processing process to achieve a larger defect-free area while minimizing lattice strain. In this phase, the suppliers selected following Phase 1 must each deliver two (2) diamond plates with (100) crystallographic orientation with technical report on the requested timeframe in accordance with the requirements defined below. The delivered plates shall be characterized and submitted for evaluation by EuXFEL. Phase 3: Advanced Development for (110) Orientation The objective of this phase is the development and delivery of a high-quality diamond plate with (110) crystallographic orientation, which represents a more technically demanding configuration compared to the (100) orientation. In this phase, the suppliers selected following Phase 2 shall each deliver one (1) diamond plate in accordance with the requirements defined below. The delivered plate shall be characterized and submitted for evaluation by EuXFEL. If the analysis results of the 3rd crystal plate from any 2 or more than 2 bidders are identical. EuXFEL will request the bidders to submit their offers of the 4th plate of crystals with the final agreed specification at the end of Phase 3 for comparison, instead of at the beginning of Phase 4. Phase 4: Final Supply and Integration of the plates to the monochromator Delivery of two (2) diamond plates (100) oriented and two (2) diamond plates (110) oriented. Only 1 supplier will be selected on Phase 4. The selected bidder must submit the final offer at this phase. The price quoted on the final offer must be in Euro fix, not subject to escalation or variation. The price must include design, probing & testing, classification if applicable, technical report, delivery to the premises of EuXFEL and include all labeling, packaging and insurance as well as factory acceptance tests (FAT), but exclude Value Added Tax (VAT) as well as customs duties. By submitting the final offer, the terms and conditions of this innovation partnership procedure are accepted.

Iekšējais identifikators: LOT-0001 XRO-CT32310

5.1.1. Mērķis

Līguma veids: Piegādes

5.1.2. Izpildes vieta

Valsts apakšiedalījums (NUTS): Pinneberg (DEF09)

Valsts: Vācija

Papildu informācija: None

5.1.3. Paredzamais ilgums

Ilgums – cits: Nezināms

5.1.6. Vispārīga informācija

Rezervēta dalība:

Dalība nav rezervēta.

Iepirkuma projekts, kas netiek finansēts no ES fondiem

Uz iepirkumu attiecas Nolīgums par valsts iepirkumu: nē

Šis iepirkums ir piemērots arī maziem un vidējiem uzņēmumiem (MVU): jā

Papildu informācija: #Besonders auch geeignet für:freelance#, #Besonders auch geeignet für: startup#, #Besonders auch geeignet für:other-sme#, #Besonders auch geeignet für:selbst#

5.1.7. Stratēģiskais iepirkums

Stratēģiskā iepirkuma mērķis: Inovatīvs pirkums

Apraksts: This tender is adopted with Innovation Partnership Procedure which is a specific procurement method established under EU public procurement law (Directive 2014/24/EU), allowing public contracting authorities/companies to procure R&D services and the subsequent purchase of resulting innovative products, services or works in one integrated process. It is particularly useful when products or solutions do not exist on the market. This tender includes Phase 0 to Phase 4. The high-quality HPHT diamonds themselves are not inherently innovative. However, due to the current political situation, there is a lack of an established supply chain within Europe. The innovation in this case lies not in the material, but in its use: EuXFEL is pursuing the development of a prototype Artificial Channel-Cut Monochromator (ACCM) using HPHT diamond, which provides significantly better thermal conductivity and quality than available CVD diamonds. Although silicon-based ACCMs are already commercially available, diamond-based equivalents have not yet reached the market. Single Procedure: Combines R&D and subsequent commercial procurement, avoiding the need for a separate tender once the innovation is developed.

Inovācijas iepirkums: Iepirktie būvdarbi, piegādes vai pakalpojumi ietver pētniecības un izstrādes darbības.

5.1.9. Atlases kritēriji

Atlases kritēriju avoti: Iepirkuma dokuments

Informācija par divposmu procedūras otro posmu:

Minimālais kandidātu skaits, ko paredzēts uzaicināt uz procedūras otro posmu: 3

Maksimālais kandidātu skaits, ko paredzēts uzaicināt uz procedūras otro posmu: 5

Procedūra notiks secīgos posmos. Katrā posmā daži dalībnieki var tikt izslēgti

5.1.10. Piešķiršanas kritēriji

Kritērijs:

Veids: Kvalitāte

Apraksts: Selection criteria for Phase 0: Phase 0 - Selection suitability criteria for invitation for next Phase (Phase 1): A total of 100 points can be achieved when evaluating references.

References (3 References – experience as a company in projects of similar characteristics within the last ten years stated on the Tender Forms) are evaluated by comparing applicants

with each other based on the following scale/grading system. The maximum number of points is multiplied by the respective weighting factor (percentage)– multiplied by the respective weighting factor (percentage). - 100% = very good: The applicant meets the requirements for the suitability criterion to the highest degree, - 80% = good: Applicant meets the requirements for the suitability criterion to the highest degree, - 60% = fully satisfactory: The applicant meets the suitability criteria to a high degree to a high degree, - 40% = satisfactory: Applicant meets the requirements for the suitability criterion to a sufficient degree, - 20% = adequate: Applicant meets the requirements for the eligibility criterion to a barely sufficient degree. In the range between 0% and 100%, intermediate values can be formed to take into account a tendency toward the higher grade level (10%, 30%, 50%, 70%, 90%), which be assigned to the respective grade level with the straight percentage below it. An assessment of an aptitude criterion (performance or expertise) with 10% would correspond to a complete failure to meet the respective suitability criterion, which would result in the exclusion of the application for participation (knockout criterion). The above criteria are suitability criteria, not award criteria. EuXFEL aims to select maximum 5 bidders/applicants in Phase 1. If no 3 bidders/applicants are similarly qualified in terms of meeting the minimum requirements or total points, only those applicants who are sufficiently suitable will be included. If several applicants/bidders achieve the same total score and the number of applicants/bidders exceeds the planned number to be invited to the next phase, EuXFEL reserves the right to select among the remaining applicants with the same score by drawing lots. These criteria will be used to determine which applicants will be invited to the next phase of the process.

5.1.11. Iepirkuma dokumenti

Valodas, kurās ir oficiāli pieejami iepirkuma dokumenti: angļu valoda

Adrese, kur pieejami iepirkuma dokumenti: <https://www.subreport.de/E29531557>

5.1.12. Iepirkuma noteikumi

Iesniegšanas noteikumi:

Elektroniskā iesniegšana: Prasīts

Iesniegšanas adrese: <https://www.subreport.de/E29531557>

Valodas, kurās var iesniegt piedāvājumus vai dalības pieprasījumus: vācu valoda

Elektroniskais katalogs: Nav atļauts

Varianti: Nav atļauts

Pretendenti var iesniegt vairākus piedāvājumus: Nav atļauts

Dalības pieprasījumu saņemšanas termiņš: 20/04/2026 12:00:00 (UTC+02:00)

Austrumeiropas laiks, Centrāleiropas vasaras laiks

Informācija, ko var papildināt pēc iesniegšanas termiņa beigām:

Pircējs pēc saviem ieskatiem visus ar pretendentu saistītos trūkstošos dokumentus var iesniegt vēlāk.

Papildu informācija: None

Līguma noteikumi:

Līguma izpilde jāveic saskaņā ar aizsargātas nodarbinātības programmām: Nē

Elektroniskie rēķini: Atļauts

Tiks izmantoti elektroniskie pasūtījumi: jā

Tiks izmantoti elektroniskie maksājumi: jā

5.1.15. Paņēmieni

Pamat nolīgums:

Nav pamat nolīguma

Informācija par dinamisko iepirkumu sistēmu:

Nav dinamiskās iepirkumu sistēmas

5.1.16. Papildu informācija, mediācija un pārskatīšana

Pārskatīšanas organizācija: Vergabekammer des Bundes beim Bundeskartellamt Registration number: +49 022894990 Country subdivision (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Country: Germany Roles of this organisation: Review organisation Mediation organisation
Informācija par pārskatīšanas termiņiem: The legal regulations applied
Organizācija, kas sniedz sīkāku informāciju par pārskatīšanas procedūru: European X-Ray Free-Electron Laser Facility GmbH

8. Organizācijas

8.1. ORG-0001

Oficiālais nosaukums: European X-Ray Free-Electron Laser Facility GmbH
Reģistrācijas numurs: DE815117472
Pasta adrese: Holzkoppel 4
Pilsēta: Schenefeld
Pasta indekss: 22869
Valsts apakšiedalījums (NUTS): Pinneberg (DEF09)
Valsts: Vācija
E-pasts: tender@xfel.eu
Tālrunis: +49 (0)40 8998-6768
Interneta adrese: <https://www.xfel.eu>
Šīs organizācijas lomas:
Pircējs
Organizācija, kas sniedz sīkāku informāciju par pārskatīšanas procedūru

8.1. ORG-0002

Oficiālais nosaukums: Vergabekammer des Bundes beim Bundeskartellamt Registration number: +49 022894990 Country subdivision (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Country: Germany Roles of this organisation: Review organisation Mediation organisation
Reģistrācijas numurs: Telephone: +49 22894990
Pilsēta: Bonn
Pasta indekss: 53113
Valsts apakšiedalījums (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Valsts: Vācija
E-pasts: vk@bundeskartellamt.bund.de
Tālrunis: +49 22894990
Šīs organizācijas lomas:
Pārskatīšanas organizācija

8.1. ORG-0003

Oficiālais nosaukums: Datenservice Öffentlicher Einkauf (in Verantwortung des Beschaffungsamts des BMI)
Reģistrācijas numurs: 0204:994-DOEVD-83
Pilsēta: Bonn
Pasta indekss: 53119
Valsts apakšiedalījums (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Valsts: Vācija
E-pasts: noreply.esender_hub@bescha.bund.de
Tālrunis: +49228996100
Šīs organizācijas lomas:

Informācija par paziņojumu

Paziņojuma identifikators/versija: 0dbe963b-28bf-4873-aac4-a10503b6e24b - 01

Veidlapas tips: Konkurss

Paziņojuma veids: Paziņojums par līgumu vai paziņojums par koncesiju — standarta režīms

Paziņojuma apakšveids: 16

Paziņojuma nosūtīšanas datums: 16/03/2026 09:08:40 (UTC+01:00) Centrāleiropas laiks,
Rietumeiropas vasaras laiks

Valodas, kurās oficiāli pieejams šis paziņojums: vācu valoda

Paziņojuma publikācijas numurs: 185586-2026

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