

357513-2026 - Konkurrencevilkår

Tyskland – Lasere – Photocathode Laser System

OJ S 99/2026 26/05/2026

Udbuds- eller koncessionsbekendtgørelse – standardordningen

Varer

1. Køber

1.1. Køber

Officielt navn: Helmholtz-Zentrum Dresden-Rossendorf e.V.

E-mail: dm-vergabe@hzdr.de

Køberens retlige status: Offentlig virksomhed, der styres af en central regeringsmyndighed

Den ordregivende myndigheds aktivitet: Uddannelse

2. Procedure

2.1. Procedure

Titel: Photocathode Laser System

Beskrivelse: Delivery, installation and commissioning of a Photocathode Laser System

Identifikator for proceduren: 8ad3f151-58e7-4a71-ac17-6ff2a9069463

Intern ID: EUOV2607

Udbudsprocedure: Offentligt udbud

Proceduren er en hasteprocedure: nej

2.1.1. Formål

Kontraktens hovedformål: Varer

Primær klassifikation (cpv): 38636100 Lasere

2.1.2. Udførelsessted

Postadresse: Bautzner Landstraße 400

By: Dresden

Postnummer: 01328

Landsdel (NUTS): Dresden, Kreisfreie Stadt (DED21)

Land: Tyskland

2.1.4. Generelle oplysninger

Retsgrundlag:

Direktiv 2014/24/EU

vgv -

2.1.6. Udelukkelsesgrunde

Kilder til grundlag for udelukkelse: Bekendtgørelse, Udbudsdokument

Tilsidesættelse af forpligtelser i henhold til rent nationale udelukkelsesgrunde: The statutory exclusion requirements pursuant to Sections 123 to 126 of the German Act against Restraint of Trade (GWB) and the 5th EU Sanctions Package (RUS sanctions) apply. To this end, the self-declarations 'No grounds for exclusion' and 'RUS sanctions' attached to the tender documents must be completed and submitted as part of the tender.

5. Delkontrakt

5.1. Delkontrakt: LOT-0000

Titel: Photocathode Laser System

Beskrivelse: Helmholtz-Zentrum Dresden-Rossendorf (HZDR) has been working on the development of a superconducting electron source (SRF gun) for about 20 years. An integral part of this electron source is a photocathode laser which, in combination with a photocathode, uses the external photoelectric effect to generate electron pulses. These pulses are then accelerated by the electric field of the superconducting RF resonator. The required laser wavelength for this purpose is about 260 nm, while the aimed pulse energy at this wavelength is 5 μ J. Detailed requirements in the table below (2. Performance quote) are specified separately for the fundamental wavelength in infrared (IR) and the 4th harmonic in ultraviolet (UV). Pulse repetition rate shall be flexible and reach 2 MHz. The average power in UV has to reach at least 1 W. Laser pulse duration is a key optimization parameter that needs to be variable in the range of 0.3-10 ps FWHM. Moreover, the temporal (longitudinal) profile of the laser pulse overall is important for properties of the generated electron pulse and thus also needs to be adjustable. For this, a spatial light modulator for modifying the spectrum needs to be integrated in the offered system. It is desirable that the manufacturer finds settings of the spectral shaper that result in a flat-top temporal shape of the UV pulse. Given that the temporal shape of a chirped pulse is critical in the planned application, spectral smoothness, stability and absence of long wings or shoulders are of high importance. Spectrum distortions caused by nonlinear effects shall be insignificant even at the maximum required pulse energy. Ability to synchronize the oscillators' repetition rate to a radio-frequency (RF) reference signal is necessary. Achievable integrated time jitter in the range between 10 Hz and 1 MHz of the laser with respect to the reference shall not exceed 100 fs. However, synchronization electronics are not part of the current tender and will be obtained from another source. The oscillator needs to be prepared for repetition rate locking, i.e. contain a short-range and a long-range actuators for fine adjustment of the cavity length. Another aspect of synchronization is the ability to control the repetition rate and the emission time of the laser by an external trigger signal. This ability needs to be available. Reliability and permanent availability (24/7) are of particular importance. The system will be located in an optical laboratory with $\pm 1^\circ\text{C}$ temperature stability. Beside the fulfilment of the criteria described in annex 01A, the scope of deliveries and services includes, that means are to be offered in the quotation: • Factory Acceptance Test (FAT), with proof of fulfilment of the performance requirements • Delivery according to DDP (Incoterms 2010) to the place of usage • Installation und commissioning including On-Site Acceptance Test (OSAT), with proof of fulfilment of the performance requirements • 12 months warranty from OSAT • CE marking • complete manual in English • suitable "water-to-water chiller"

Intern ID: LOT-0000

5.1.1. Formål

Kontraktens hovedformål: Varer

Primær klassifikation (cpv): 38636100 Lasere

5.1.3. Anslået varighed

Startdato: 14/08/2026

Varigheds slutdato: 31/01/2027

5.1.6. Generelle oplysninger

Reserveret deltagelse:

Deltagelse uden forbehold.

Navnene på og de faglige kvalifikationer for det personale, der skal udføre kontrakten, skal angives: Ikke påkrævet

Indkøbsprojekt, der ikke finansieres med EU-midler

Udbuddet er omfattet af aftalen om offentlige udbud (GPA): ja

Dette udbud er også egnet for små og mellemstore virksomheder (SMV'er): nej

5.1.7. Strategiske udbud

Formålet med strategiske udbud: Ingen strategiske udbud

5.1.9. Udvælgelseskriterier

Kilder til udvælgelseskriterier: Bekendtgørelse, Udbudsdokument

Kriterium: Tilmelding i et relevant professionelt register

Beskrivelse af udvælgelseskriterium: Declaration about the registration within a professional or trade register as prescribed by the legal provisions of the state where the bidder is based (see annex '01B_Self Declaration_Non-existence Reasons for Exclusion_EUOV2607')

Kriterium: Tilmelding i et handelsregister

Beskrivelse af udvælgelseskriterium: Declaration about the registration within a professional or trade register as prescribed by the legal provisions of the state where the bidder is based (see annex '01B_Self Declaration_Non-existence Reasons for Exclusion_EUOV2607')

5.1.10. Tildelingskriterier

Kriterium:

Type: Kvalitet

Navn: Performance

Beskrivelse: Criteria according to annex 01A

Kategori for tildelingskriteriet vægt: Vægtning (procentdel, præcis)

Tildelingskriterium talværdi: 50

Kriterium:

Type: Pris

Navn: Preis

Beskrivelse: Evaluation price in accordance with annex 01A.

Kategori for tildelingskriteriet vægt: Vægtning (procentdel, præcis)

Tildelingskriterium talværdi: 50

5.1.11. Tilbudsdokumenter

Sprog, som udbudsdokumenterne er officielt tilgængelige på: engelsk, tysk

Adresse på udbudsdokumenterne: https://www.tender24.de/NetServer/TenderingProcedureDetails?function=_Details&TenderOID=54321-Tender-19e4a84c1b5-d461b5d7c687ce9

5.1.12. Tilbudsvilkår

Vilkår for indgivelse:

Elektronisk indgivelse: Tilladt

Indgivelsesadresse: <https://www.tender24.de>

Sprog, som tilbud og ansøgninger om deltagelse kan indgives på: engelsk, tysk

Elektronisk katalog: Ikke tilladt

Alternative tilbud: Ikke tilladt

Tilbudsgivere kan indgive mere end ét tilbud: Ikke tilladt

Frist for modtagelse af tilbud: 23/06/2026 12:00:00 (UTC+02:00) østeuropæisk tid, centraleuropæisk sommertid

Varighed, hvor tilbuddet skal forblive gyldigt: 59 Døgn

Oplysninger, der kan suppleres efter indgivelsesfristen er udløbet:

Køberen kan beslutte, at alle manglende tilbudsrelaterede dokumenter kan indsendes senere.
Yderligere oplysninger: In accordance with legal requirements from Procurement Ordinance (VgV).

Oplysninger om offentlig iværksættelse:

Åbningsdato: 23/06/2026 12:03:00 (UTC+02:00) østeuropæisk tid, centraleuropæisk sommertid

Betingelser for kontraktens udførelse:

Udførelsen af kontrakten skal ske inden for rammerne af programmer for beskyttet beskæftigelse: Nej

Elektronisk fakturering: Tilladt

Der vil blive anvendt elektronisk bestilling: nej

Der vil blive anvendt elektronisk betaling: nej

5.1.15. Teknikker**Rammeaftale:**

Ingen rammeaftale

Oplysninger om det dynamiske indkøbssystem:

Intet dynamisk indkøbssystem

5.1.16. Yderligere oplysninger, mægling og gennemgang

Organisation med ansvar for klager: Vergabekammer des Bundes

Oplysninger om klagefrister: Legal remedies pursuant to Section 160 GWB: 1) The public procurement chamber shall only initiate a review procedure upon application; 2) Any company that has an interest in the public contract or concession is authorized to apply and asserts an infringement of its rights pursuant to Section 97 (6) GWB due to non-compliance with procurement regulations. It must be shown that the company has suffered or is at risk of suffering damage as a result of the alleged breach of the procurement regulations; 3) The application is inadmissible if: (1) The applicant has recognized the alleged breach of procurement regulations before submitting the application for review and has not notified the contracting authority of this within a period of 10 calendar days; the expiry of the deadline pursuant to Section 134 (2) GWB remains unaffected, (2) violations of procurement regulations that are recognizable on the basis of the contract notice are not notified to the contracting authority by the expiry of the deadline for application or submission of tenders specified in the contract notice at the latest, (3) violations of procurement regulations that are only recognizable in the procurement documents are not notified to the contracting authority by the expiry of the deadline for application or submission of tenders at the latest, (4) more than 15 calendar days have passed since receipt of the notification from the contracting authority that it does not intend to remedy a complaint. Sentence 1 shall not apply to an application for a declaration of invalidity of the contract pursuant to Section 135 (1) No. 2.

Organisation, der leverer supplerende oplysninger om udbudsproceduren: Helmholtz-Zentrum Dresden-Rossendorf e.V.

Organisation, der leverer yderligere oplysninger om klageprocedurerne: Vergabekammer des Bundes

8. Organisationer**8.1. ORG-7001**

Officielt navn: Helmholtz-Zentrum Dresden-Rossendorf e.V.

Registreringsnummer: 992-80200-35

Postadresse: Bautzner Landstraße 400
By: Dresden
Postnummer: 01328
Landsdel (NUTS): Dresden, Kreisfreie Stadt (DED21)
Land: Tyskland
Enhed: Abteilung Vergabe- und Beschaffungswesen
E-mail: dm-vergabe@hzdr.de
Telefon: +49 351260-0
Internetadresse: <https://www.hzdr.de>

Denne organisations roller:

Køber

Organisation, der leverer supplerende oplysninger om udbudsprocedurer

8.1. ORG-7004

Officielt navn: Vergabekammer des Bundes
Registreringsnummer: -
By: Bonn
Postnummer: 53113
Landsdel (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Land: Tyskland
E-mail: vk@bundeskartellamt.bund.de

Denne organisations roller:

Organisation med ansvar for klager

8.1. ORG-7005

Officielt navn: Vergabekammer des Bundes
Registreringsnummer: --
Postadresse: Kaiser-Friedrich-Str. 16
By: Bonn
Postnummer: 53113
Landsdel (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Land: Tyskland
E-mail: vk@bundeskartellamt.bund.de

Telefon: +49 2289499-0

Fax: +49 2289499-163

Denne organisations roller:

Organisation, der leverer yderligere oplysninger om klageprocedurerne

8.1. ORG-7006

Officielt navn: Datenservice Öffentlicher Einkauf (in Verantwortung des Beschaffungsamts des BMI)
Registreringsnummer: 0204:994-DOEVD-83
By: Bonn
Postnummer: 53119
Landsdel (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Land: Tyskland
E-mail: noreply.esender_hub@bescha.bund.de
Telefon: +49228996100

Denne organisations roller:

TED eSender

Oplysninger om bekendtgørelsen

Bekendtgørelsens ID: 46eca47d-04be-4c0c-9203-bbb478b352dd - 01

Formulartype: Konkurrencevilkår

Bekendtgørelsestype: Udbuds- eller koncessionsbekendtgørelse – standardordningen

Bekendtgørelsesundertype: 16

Afsendelsesdato for bekendtgørelsen: 21/05/2026 15:05:32 (UTC+02:00) østeuropæisk tid, centraleuropæisk sommertid

Bekendtgørelsens officielle sprog: tysk

Bekendtgørelsesnummer: 357513-2026

EUT-S-nummer: 99/2026

Offentliggørelsesdato: 26/05/2026