

357513-2026 - Iomaíocht

An Ghearmáin – Lasers – Photocathode Laser System

OJ S 99/2026 26/05/2026

Fógra maidir le conradh nó lamháltas — an gnáthchóras
Soláthairtí

1. Ceannaitheoir

1.1. Ceannaitheoir

Ainm oifigiúil: Helmholtz-Zentrum Dresden-Rossendorf e.V.

R-phost: dm-vergabe@hzdr.de

Cineál dlíthiúil an cheannaitheora: Gnóthas poiblí atá faoi rialú údaráis stáit

Gníomhaíocht an údaráis chonarthaigh: Oideachas

2. Nós imeachta

2.1. Nós imeachta

Teideal: Photocathode Laser System

Cur síos: Delivery, installation and commissioning of a Photocathode Laser System

Aitheantóir an nós imeachta: 8ad3f151-58e7-4a71-ac17-6ff2a9069463

Aitheantóir inmheánach: EUOV2607

An cineál nós imeachta: Oscailte

Tá an nós imeachta á bhrostú: níl

2.1.1. Cuspóir

Cineál an chonartha: Soláthairtí

Príomhaicmiú (cpv): 38636100 Lasers

2.1.2. An áit feidhmíochta

Seoladh poist: Bautzner Landstraße 400

Baile: Dresden

Cód poist: 01328

Foroinn tíre (NUTS): Dresden, Kreisfreie Stadt (DED21)

Tír: An Ghearmáin

2.1.4. Eolas ginearálta

Bunús dlí:

Treoir 2014/24/AE

vgv -

2.1.6. Forais eisiaimh

Foinse na gcúiseanna eisiúna: Fógra, Doiciméad Soláthair

Sárú oibleagáidí arna socrú faoi fhorais eisiaimh náisiúnta amháin: 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. Luchtóg

5.1. Luchtóg: LOT-0000

Teideal: Photocathode Laser System

Cur síos: 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"

Aitheantóir inmheánach: LOT-0000

5.1.1. Cuspóir

Cineál an chonartha: Soláthairtí

Príomhaicmiú (cpv): 38636100 Lasers

5.1.3. Fad measta

Dáta tosaithe: 14/08/2026

Dáta deiridh an tréimhse: 31/01/2027

5.1.6. Eolas ginearálta

Rannpháirtíocht fhorchoimeádta:

Ní fhorchoimeádtar an rannpháirtíocht.

Ní mór ainmneacha agus cáilíochtaí gairmiúla na mball foirne a thabhairt a shanntar chun an conradh a chomhlíonadh: Ní theastaítear
Tionscadal soláthair nach maoinítear le cistí an Aontais
Tá an soláthar cumhdaithe ag an gComhaontú maidir le Soláthar Rialtais (GPA): tá
Tá an soláthar sin oiriúnach freisin d'fhiontair bheaga agus mheánmhéide (FBManna): níl

5.1.7. Soláthar straitéiseach

Aidhm an tsoláthair straitéisigh: Níl soláthar straitéiseach i gceist

5.1.9. Critéir roghnúcháin

Foinse na gcritéir roghnaithe: Fógra, Doiciméad Soláthair

Critéar: Clárú i gclár gairmiúil ábhartha

Cur síos ar an gcritéar roghnúcháin: 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')

Critéar: Clárú i gclár trádála

Cur síos ar an gcritéar roghnúcháin: 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. Critéir dhámhachtana

Critéar:

Cineál: Cáilíocht

Ainm: Performance

Cur síos: Criteria according to annex 01A

Catagóir an critéir dhámhachtana meáchain: Ualú (céatadán, beacht)

Uimhir an chritéir dhámhachtana: 50

Critéar:

Cineál: Praghas

Ainm: Preis

Cur síos: Evaluation price in accordance with annex 01A.

Catagóir an critéir dhámhachtana meáchain: Ualú (céatadán, beacht)

Uimhir an chritéir dhámhachtana: 50

5.1.11. Doiciméid soláthair

Na teangacha ina bhfuil na doiciméid soláthair ar fáil go hoifigiúil: Béarla, Gearmáinis

Seoladh na ndoiciméad soláthair: https://www.tender24.de/NetServer/TenderingProcedureDetails?function=_Details&TenderOID=54321-Tender-19e4a84c1b5-d461b5d7c687ce9

5.1.12. Téarmaí soláthair

Téarmaí na haighneachta:

Cur isteach leictreonach: Ceadmhach

Seoladh an chur isteach: <https://www.tender24.de>

Na teangacha inar féidir tairiscintí nó iarrataí ar rannpháirtíocht a chur isteach: Béarla, Gearmáinis

Catalóg leictreonach: Ní ceadmhach

Leaganacha malartacha: Ní ceadmhach

Féadfaidh tairgeoirí níos mó ná tairiscint amháin a chur isteach: Ní ceadmhach

Spriocdháta chun tairiscintí a fháil: 23/06/2026 12:00:00 (UTC+02:00) Am Oirthear na hEorpa, Am Samhraidh Lár na hEorpa

An tréimhse le linn a gcaithfidh an tairiscint a bheith bailí: 59 Laethanta

Eolas is féidir a fhorlíonadh tar éis an spriocdháta chun iarratas a dhéanamh:

Faoi rogha an cheannaitheora, féadfar gach doiciméad ar iarraidh a bhaineann leis an tairgeoir a chur isteach níos déanaí.

Eolas breise: In accordance with legal requirements from Procurement Ordinance (VgV).

Eolas faoi oscailt phoiblí:

Dáta oscailte: 23/06/2026 12:03:00 (UTC+02:00) Am Oirthear na hEorpa, Am Samhraidh Lár na hEorpa

Téarmaí an chonartha:

Ní mór an conradh a chur i gcrích faoi chuimsiú clár fostaíochta dídeanaí: Ní hea

Sonrascú leictreonach: Ceadmhach

Úsáidfear ordú leictreonach: níl

Úsáidfear íocaíocht leictreonach: níl

5.1.15. Teicnící

Creat-chomhaontú:

Níl feidhm ag creat-chomhaontú

Eolas faoin gcóras ceannaigh dinimiciúil:

Níl feidhm ag córas ceannaigh dinimiciúil

5.1.16. Tuilleadh eolais, idirghabháil agus athbhreithniú

Eagraíocht athbhreithniúcháin: Vergabekammer des Bundes

Eolas faoi spriocdhátaí athbhreithnithe: 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.

Eagraíocht a sholáthraíonn faisnéis bhreise faoin nós imeachta soláthair: Helmholtz-Zentrum Dresden-Rossendorf e.V.

Eagraíocht a sholáthraíonn tuilleadh faisnéise faoi na nósanna imeachta athbhreithnithe: Vergabekammer des Bundes

8. Eagraíochtaí

8.1. ORG-7001

Ainm oifigiúil: Helmholtz-Zentrum Dresden-Rossendorf e.V.

Uimhir chlárúcháin: 992-80200-35

Seoladh poist: Bautzner Landstraße 400
Baile: Dresden
Cód poist: 01328
Foroinn tíre (NUTS): Dresden, Kreisfreie Stadt (DED21)
Tír: An Ghearmáin
Pointe teagmhála: Abteilung Vergabe- und Beschaffungswesen
R-phost: dm-vergabe@hzdr.de
Teil.: +49 351260-0
Seoladh idirlín: <https://www.hzdr.de>
Róil na heagraíochta seo:
Ceannaitheoir
Eagraíocht a sholáthraíonn faisnéis bhreise faoin nós imeachta soláthair

8.1. **ORG-7004**

Ainm oifigiúil: Vergabekammer des Bundes
Uimhir chlárúcháin: -
Baile: Bonn
Cód poist: 53113
Foroinn tíre (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Tír: An Ghearmáin
R-phost: vk@bundeskartellamt.bund.de
Róil na heagraíochta seo:
Eagraíocht athbhreithniúcháin

8.1. **ORG-7005**

Ainm oifigiúil: Vergabekammer des Bundes
Uimhir chlárúcháin: --
Seoladh poist: Kaiser-Friedrich-Str. 16
Baile: Bonn
Cód poist: 53113
Foroinn tíre (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Tír: An Ghearmáin
R-phost: vk@bundeskartellamt.bund.de
Teil.: +49 2289499-0
Facs: +49 2289499-163
Róil na heagraíochta seo:
Eagraíocht a sholáthraíonn tuilleadh faisnéise faoi na nósanna imeachta athbhreithnithe

8.1. **ORG-7006**

Ainm oifigiúil: Datenservice Öffentlicher Einkauf (in Verantwortung des Beschaffungsamts des BMI)
Uimhir chlárúcháin: 0204:994-DOEVD-83
Baile: Bonn
Cód poist: 53119
Foroinn tíre (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Tír: An Ghearmáin
R-phost: noreply.esender_hub@bescha.bund.de
Teil.: +49228996100
Róil na heagraíochta seo:
TED eSender

Eolas faoin bhfógra

Aitheantóir/leagan an fhógra: 46eca47d-04be-4c0c-9203-bbb478b352dd - 01
Cineál na foirme: lomaíocht
Cineál an fhógra: Fógra maidir le Conradh nó lamháltas — an gnáthchóras
Fochineál an fhógra: 16
Dáta seolta an fhógra: 21/05/2026 15:05:32 (UTC+02:00) Am Oirthear na hEorpa, Am Samhraidh Lár na hEorpa
Na teangacha ina bhfuil an fógra seo ar fáil go hoifigiúil: Gearmáinis
Uimhir foilseacháin an fhógra: 357513-2026
Uimhir eagráin IO S: 99/2026
Dáta foilsithe: 26/05/2026