

53176-2026 - Competition

Spain – Design and execution of research and development – JT-60SA Pellet Sources

OJ S 16/2026 23/01/2026

Contract or concession notice – standard regime

Services - Supplies

1. Buyer

1.1. Buyer

Official name: The European Joint Undertaking for ITER and the Development of Fusion Energy ('Fusion for Energy')

Email: Nadia.Merli@f4e.europa.eu

Legal type of the buyer: EU institution, body or agency

Activity of the contracting authority: General public services

2. Procedure

2.1. Procedure

Title: JT-60SA Pellet Sources

Description: The scope of this envisaged framework contract is for the supply of Pellet Sources for JT-60SA and for general fusion applications. The scope of this framework contract will be divided in two lots. The first lot encompasses the development, manufacturing and testing of fuelling sources and the second lot encompasses the development, manufacturing and testing of pacing sources.

Procedure identifier: 58868eac-b9ed-4f1b-adb3-835e65cb939c

Previous notice: 453263-2025

Internal identifier: F4E-OFC-1725

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: Services

Additional nature of the contract: Supplies

Main classification (cpv): 73300000 Design and execution of research and development

Additional classification (cpv): 42530000 Parts of refrigerating and freezing equipment and heat pumps

2.1.2. Place of performance

Postal address: Boltzmannstraße 2

Town: Garching bei München

Postcode: 85748

Country subdivision (NUTS): München, Landkreis (DE21H)

Country: Germany

2.1.3. Value

Maximum value of the framework agreement: 5 000 000,00 EUR

2.1.4. General information

Legal basis:

Regulation (EU, Euratom) 2018/1046

2.1.5. Terms of procurement**Terms of submission:**

Maximum number of lots for which one tenderer can submit tenders: 2

The tenderer must submit tenders for all lots

Terms of contract:

Maximum number of lots for which contracts can be awarded to one tenderer: 1

2.1.6. Grounds for exclusion

Sources of grounds for exclusion: Procurement Document

5. Lot

5.1. Lot: LOT-0001

Title: JT-60SA Pellet Sources - Fuelling Pellet Sources

Description: The scope of the framework contract is for the supply of sources of pellets of ice typically of hydrogen or deuterium. The sources are composed by an extruder with a capacity in the range of 350 mm³/s capacity with an integrated pellet cutter able to produce pellets of a size in the range of 2.4x2.4 mm at a pace of 20 Hz. The sources shall also include all necessary ancillaries and diagnostics. The development will be performed in stages and the scope includes also testing and support to installation and commissioning.

Internal identifier: F4E-OFC-1725-Lot1

5.1.1. Purpose

Main nature of the contract: Services

Additional nature of the contract: Supplies

Main classification (cpv): 73300000 Design and execution of research and development

Additional classification (cpv): 42530000 Parts of refrigerating and freezing equipment and heat pumps

5.1.2. Place of performance

Postal address: Boltzmannstraße 2

Town: Garching bei München

Postcode: 85748

Country subdivision (NUTS): München, Landkreis (DE21H)

Country: Germany

Additional information: At the contractor's premises

5.1.3. Estimated duration

Duration: 84 Months

5.1.5. Value

Estimated value excluding VAT: 2 500 000,00 EUR

5.1.6. General information**Reserved participation:**

Participation is not reserved.

Procurement Project fully or partially financed with EU Funds.

The procurement is covered by the Government Procurement Agreement (GPA): no

5.1.9. Selection criteria

Sources of selection criteria: Procurement Document

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

The procedure will take place in successive stages. At each stage, some participants may be eliminated

The buyer reserves the right to award the contract on the basis of the initial tenders without any further negotiations

5.1.10. Award criteria

Criterion:

Type: Quality

Name: Technical

Description: Best price-quality

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

Award criterion number: 60,00

Criterion:

Type: Price

Name: Financial

Description: Best price-quality

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

Award criterion number: 40,00

5.1.11. Procurement documents

Deadline for requesting additional information: 19/02/2026 23:59:59 (UTC+01:00) Central European Time, Western European Summer Time

Address of the procurement documents: <https://industryportal.f4e.europa.eu/f4e-calls/>

5.1.12. Terms of procurement

Terms of submission:

Electronic submission: Required

Address for submission: <https://industryportal.f4e.europa.eu/f4e-calls/>

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

Electronic catalogue: Not allowed

Deadline for receipt of requests to participate: 26/02/2026 16:00:00 (UTC+01:00) Central European Time, Western European Summer Time

Terms of contract:

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

Electronic invoicing: Required

Electronic ordering will be used: no

Electronic payment will be used: yes

5.1.15. Techniques

Framework agreement:

Framework agreement, without reopening of competition

Maximum number of participants: 20

Justification for the duration of the framework agreement: Pellet sources are required from the JT-60SA Operation from Phase 3, beginning in 2027. Until Operation phase 5, the experiment pulse length will be limited by other factors and temporary sources at reduced performance are acceptable. The development of final sources, compliant with the full set of requirements detailed in Annex B, is complex and, since it is a first of a kind development, it is expected to

take several years (at least 5 years plus some margin from the delivery and test of temporary sources). The Framework Contract duration should remain active for the whole time needed for the development of this technology.

Information about the dynamic purchasing system:

No dynamic purchase system

Electronic auction: no

5.1.16. Further information, mediation and review

Review organisation: General Court (European Union)

Information about review deadlines: Within 2 months of notice of the award decision, you may launch an action for annulment of the award decision. Any request you may make and any reply from us, or any complaint for maladministration, will have neither the purpose nor the effect of suspending the time-limit for launching an action for annulment or to open a new period for launching an action for annulment. The body responsible for hearing annulment procedures is indicated in 8.1 ORG-0003 of this contract notice. If you believe that there was maladministration, you may lodge a complaint to the European Ombudsman within 2 years of the date when you became aware of the facts on which the complaint is based (see <http://www.ombudsman.europa.eu>)

Organisation providing more information on the review procedures: General Court (European Union)

5.1. Lot: LOT-0002

Title: JT-60SA Pellet Sources - Pacing Pellet Sources

Description: The scope of the framework contract is for the supply of sources of pellets of ice, typically of hydrogen or deuterium. The sources are composed by an extruder with a capacity range of 100 mm³/s capacity with an integrated pellet cutter able to produce pellets of a size in the range of 1.2x1.2 mm at a pace of 50Hz. The sources shall include also all necessary ancillaries and diagnostics. The development will be performed in stages and the scope includes also testing and support to installation and commissioning.

Internal identifier: F4E-OFC-1725-Lot2

5.1.1. Purpose

Main nature of the contract: Services

Additional nature of the contract: Supplies

Main classification (cpv): 73300000 Design and execution of research and development

Additional classification (cpv): 42530000 Parts of refrigerating and freezing equipment and heat pumps

5.1.2. Place of performance

Town: Boltzmannstraße 2, 85748, Garching bei München

Country subdivision (NUTS): München, Landkreis (DE21H)

Country: Germany

Additional information: At the contractor's premises

5.1.3. Estimated duration

Duration: 84 Months

5.1.5. Value

Estimated value excluding VAT: 2 500 000,00 EUR

5.1.6. General information

Reserved participation:

Participation is not reserved.

Procurement Project fully or partially financed with EU Funds.

The procurement is covered by the Government Procurement Agreement (GPA): no

5.1.9. Selection criteria

Sources of selection criteria: Procurement Document

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

The procedure will take place in successive stages. At each stage, some participants may be eliminated

The buyer reserves the right to award the contract on the basis of the initial tenders without any further negotiations

5.1.10. Award criteria

Criterion:

Type: Quality

Name: Technical Score

Description: Best Price-Quality

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

Award criterion number: 60,00

Criterion:

Type: Price

Name: Financial Score

Description: Best Price-Quality

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

Award criterion number: 40,00

5.1.11. Procurement documents

Deadline for requesting additional information: 19/02/2026 23:59:59 (UTC+01:00) Central European Time, Western European Summer Time

Address of the procurement documents: <https://industryportal.f4e.europa.eu/f4e-calls/>

5.1.12. Terms of procurement

Terms of submission:

Electronic submission: Required

Address for submission: <https://industryportal.f4e.europa.eu/f4e-calls/>

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

Electronic catalogue: Not allowed

Deadline for receipt of requests to participate: 26/02/2026 16:00:00 (UTC+01:00) Central European Time, Western European Summer Time

Terms of contract:

The execution of the contract must be performed within the framework of sheltered employment programmes: Not yet known

Electronic invoicing: Required

Electronic ordering will be used: no

Electronic payment will be used: yes

5.1.15. Techniques

Framework agreement:

Framework agreement, without reopening of competition

Maximum number of participants: 20

Justification for the duration of the framework agreement: Pellet sources are required from the JT-60SA Operation from Phase 3, beginning in 2027. Until Operation phase 5, the experiment pulse length will be limited by other factors and temporary sources at reduced performance are acceptable. The development of final sources, compliant with the full set of requirements detailed in Annex B, is complex and, since it is a first of a kind development, it is expected to take several years (at least 5 years plus some margin from the delivery and test of temporary sources). The Framework Contract duration should remain active for the whole time needed for the development of this technology.

Information about the dynamic purchasing system:

No dynamic purchase system

Electronic auction: no

5.1.16. Further information, mediation and review

Review organisation: General Court (European Union)

Information about review deadlines: Within 2 months of notice of the award decision, you may launch an action for annulment of the award decision. Any request you may make and any reply from us, or any complaint for maladministration, will have neither the purpose nor the effect of suspending the time-limit for launching an action for annulment or to open a new period for launching an action for annulment. The body responsible for hearing annulment procedures is indicated in 8.1 ORG-0003 of this contract notice. If you believe that there was maladministration, you may lodge a complaint to the European Ombudsman within 2 years of the date when you became aware of the facts on which the complaint is based (see <http://www.ombudsman.europa.eu>)

Organisation providing more information on the review procedures: General Court (European Union)

8. Organisations

8.1. ORG-0001

Official name: The European Joint Undertaking for ITER and the Development of Fusion Energy ('Fusion for Energy')

Registration number: n01110115D

Postal address: C/ Josep Pla, 2, Torres Diagonal Litoral, edificio B3

Town: Barcelona

Postcode: 08019

Country subdivision (NUTS): Barcelona (ES511)

Country: Spain

Contact point: Nadia Merli

Email: Nadia.Merli@f4e.europa.eu

Telephone: +34933201800

Internet address: <https://industryportal.f4e.europa.eu/>

Roles of this organisation:

Buyer

8.1. ORG-0003

Official name: General Court (European Union)

Registration number: EUCJ

Postal address: Rue du Font Niedergrünwald

Town: Luxembourg

Postcode: L-2925

Country subdivision (NUTS): Luxembourg (LU000)

Country: Luxembourg

Email: GC.Registry@curia.europa.eu

Telephone: +352 430301

Roles of this organisation:

Review organisation

Organisation providing more information on the review procedures

8.1. ORG-0000

Official name: Publications Office of the European Union

Registration number: PUBL

Town: Luxembourg

Postcode: 2417

Country subdivision (NUTS): Luxembourg (LU000)

Country: Luxembourg

Email: ted@publications.europa.eu

Telephone: +352 29291

Internet address: <https://op.europa.eu>

Roles of this organisation:

TED eSender

Notice information

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