

Spain-Barcelona: Development and Delivery of Final Design for ITER Core Plasma Thomson Scattering System (CPTS), Charge-eXchange Recombination Spectrometer (CXRS) and Parts of the Bolometer Diagnostic

OJ S 132/2020 10/07/2020

Contract notice

Services

Legal Basis:

Regulation (EU, Euratom) No 2018/1046

Section I: Contracting authority

I.1. Name and addresses

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

Postal address: C/ Josep Pla 2, Torres Diagonal Litoral, Edificio B3, Office 10/20

Town: Barcelona

NUTS code: ES511 Barcelona

Postal code: 08019

Country: Spain

Contact person: Contracts and Procurement Unit: For the attention of: David Guardia

E-mail: david.guardia@f4e.europa.eu

Internet address(es):

Main address: <http://f4e.europa.eu/>

Address of the buyer profile: <https://industryportal.f4e.europa.eu/default.aspx>

I.3. Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: <https://industryportal.f4e.europa.eu/default.aspx>

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted electronically via: <https://eu.eu-supply.com/>

I.4. Type of the contracting authority

European institution/agency or international organisation

I.5. Main activity

Other activity: Energy

Section II: Object

II.1. Scope of the procurement**II.1.1. Title**

Development and Delivery of Final Design for ITER Core Plasma Thomson Scattering System (CPTS), Charge-eXchange Recombination Spectrometer (CXRS) and Parts of the Bolometer Diagnostic

Reference number: F4E-OMF-0847

II.1.2.

Main CPV code

71320000 Engineering design services

II.1.3. Type of contract

Services

II.1.4. Short description

Please refer to below section II.2.4) ('Description of the procurement').

II.1.5. Estimated total value**II.1.6. Information about lots**

This contract is divided into lots: no

II.2. Description**II.2.3. Place of performance**

NUTS code: 00 Other or Not Specified

Main site or place of performance: Most or all services expected to be executed at supplier premises.

II.2.4. Description of the procurement

The scope of this framework contract includes development and delivery of the final design up to build-to-print and manufacturing specifications for the following:

- Core Plasma Thomson Scattering (CPTS) Diagnostic;
- Charge-eXchange Recombination Spectrometer (CXRS) Diagnostic; and
- Parts of the Bolometer Diagnostic.

The CPTS will inject high power laser light into the ITER plasma via a series of mirrors and windows. Other mirrors will collect small amounts of light scattered from electrons in the plasma and focus the light onto an optical fibre bundle. The fibres will bring the light to a set of spectrometers. Analysis of the spectrum will provide information on the temperature and density of the plasma electrons. Laser light not scattered by the plasma electrons will be collected by a beam dump inside the ITER vessel.

The CXRS will collect, via a series of mirrors, light emitted by charge-exchange processes as a beam of energetic neutral particles crosses the ITER plasma. As for the CPTS, lenses will focus the light onto an optical fibre bundle that will bring the light to a set of spectrometers. Analysis of the spectrum will provide information on ion temperature, rotation velocity and impurity concentrations in the plasma.

The Bolometer Diagnostic will use a set of sensors distributed around the ITER plasma to provide information on the total radiated power in a wavelength range from infrared to soft X-ray. Bolometer cameras within the scope of this framework contract are metal structures with internal ceramic parts that house the sensors, collimate light from the plasma to provide spatially resolved information and provide electrical connections from the sensors to cabling. The scope of the framework contract encompasses all R&D, engineering, CAD, system services and interfaces, quality, support and technical managerial activities in connection with the design process required to generate and/or provide: F4E-approved and comprehensively documented designs and technical specifications, BTP drawings and manufacturing specifications for the system.

All services and supplies to be provided under the contract and its specific contracts shall exclude the use any background intellectual property unless prior explicit approval is granted by F4E.

Please refer to Annex B (Technical Specification) and Annex 13 (Specific Contract 01 Task Order) for additional details.

II.2.5. Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.6. Estimated value

Value excluding VAT: 26 138 000,00 EUR

II.2.7. Duration of the contract, framework agreement or dynamic purchasing system

Duration in months: 54

This contract is subject to renewal: yes

Description of renewals:

Two possible renewals (each for a period of 1 year).

II.2.10. Information about variants

Variants will be accepted: no

II.2.11. Information about options

Options: no

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds: yes

Identification of the project: ITER

II.2.14. Additional information

See section VI.3) of this notice.

Section III: Legal, economic, financial and technical information

III.1. Conditions for participation

III.1.1. Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions:

See internet address provided in section I.3).

III.1.2. Economic and financial standing

Selection criteria as stated in the procurement documents

III.1.3. Technical and professional ability

Selection criteria as stated in the procurement documents

III.2. Conditions related to the contract

III.2.2. Contract performance conditions

See internet address provided in section I.3).

Section IV: Procedure

IV.1. Description

IV.1.1.

Type of procedure

Open procedure

IV.1.3. Information about a framework agreement or a dynamic purchasing system

IV.1.8. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: no

IV.2. Administrative information

IV.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2020/S 102-245161](#)

IV.2.2. Time limit for receipt of tenders or requests to participate

Date: 09/09/2020 Local time: 23:59

IV.2.3. Estimated date of dispatch of invitations to tender or to participate to selected candidates

IV.2.4. Languages in which tenders or requests to participate may be submitted

English

IV.2.6. Minimum time frame during which the tenderer must maintain the tender

Duration in months: 9 (from the date stated for receipt of tender)

IV.2.7. Conditions for opening of tenders

Date: 11/09/2020 Local time: 11:00

Place:

F4E premises (Barcelona).

Information about authorised persons and opening procedure: See internet address provided in section I.3).

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.2. Information about electronic workflows

Electronic payment will be used

VI.3. Additional information

See internet address provided in section I.3).

1) Tenderers can only submit a tender via the foreseen e-Submission tool detailed in the procurement documents.

2) Tenderers are informed that the awarded contract will not be signed in paper. Signature of the contract will take place through a web-based tool called deviation, amendment and contract changes (DACC). The contract must be signed by the tenderer's legal representative in DACC. Signature of the contract in DACC is considered as equivalent to a paper document with a handwritten signature and shall be admissible as evidence in legal proceedings. It is legally binding.

3) This notice and the rest of the procurement documents will be published also on the joint undertaking's buyer's profile. Economic operators are strongly advised to regularly visit the webpage in section I) of this notice.

4) This procurement procedure is governed by the rules laid down by:

(a) Regulation (EU, Euratom) 2018/1046; referred to as the 'General Financial Regulation' (GFR); and

(b) complemented, where it derogates, by the: Financial Regulation for Fusion for Energy adopted by Governing Board decision of 10 December 2019.

All legislation can be found on: <http://www.fusionforenergy.europa.eu/procurementsgrants/keyreference.aspx>

VI.4. Procedures for review

VI.4.1. Review body

Official name: General Court

Postal address: rue du Fort Niedergrünwald

Town: Luxembourg

Postal code: L-2925

Country: Luxembourg

E-mail: GeneralCourt.Registry@curia.europa.eu

Telephone: +352 4303-1

Fax: +352 43032100

Internet address: <http://curia.europa.eu>

VI.4.3. Review procedure

Precise information on deadline(s) for review procedures:

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 Section VI. 4.1) of the 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>).

VI.5. Date of dispatch of this notice

29/06/2020