

Prior information notice

This notice is for prior information only

Supplies

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 - Torre Diagonal Litoral -Edeficio B3

Town: Barcelona

NUTS code: ES511 Barcelona

Postal code: 08019

Country: Spain

Contact person: Fanny Cauvard

E-mail: tenders-operational-PMS-H.CD@f4e.europa.eu

Telephone: +34 934897432

Internet address(es):

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

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

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 - Torre Diagonal Litoral -Edeficio B3

Town: Barcelona

NUTS code: ES51 Cataluña

Postal code: 08019

Country: Spain

Contact person: Fanny Cauvard

E-mail: tenders-operational-PMS-H.CD@f4e.europa.eu

Telephone: +34 934897432

Internet address(es):

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

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

I.2) Information about joint procurement

The contract involves joint procurement

I.3) Communication

Additional information can be obtained from the abovementioned address

I.4) Type of the contracting authority

Other type: EU Joint Undertaking

I.5) Main activity

Other activity: Energy

Section II: Object

II.1) Scope of the procurement

II.1.1) Title:

JOINT PROCUREMENT FOR ELECTRON CYCLOTRON (EC) RF SOURCES / GYROTRONS

Reference number: F4E-OMF-1108

II.1.2) Main CPV code

31670000 Electrical parts of machinery or apparatus

II.1.3) Type of contract

Supplies

II.1.4) Short description:

- For F4E: Supply of up to six gyrotrons of 1 MW at 170 GHz with continuous wave long pulse of up to 3600s to be delivered at ITER site.

- For DIVERTOR TOKAMAK TEST facility (DTT): Supply of up to sixteen gyrotrons of 1 MW at 170 GHz with pulse length of 100s. Two pre-series gyrotrons will be delivered to the Falcon test Facility, SPC (Lausanne, CH); the other fourteen series gyrotrons will be delivered to the DTT site (Frascati, Italy).

II.1.5) Estimated total value

II.1.6) Information about lots

This contract is divided into lots: no

II.2) Description

II.2.2) Additional CPV code(s)

31720000 Electromechanical equipment

II.2.3) Place of performance

NUTS code: FRL04 Bouches-du-Rhône

NUTS code: ITI43 Roma

Main site or place of performance:

For F4E: ITER site in Cadarache, France: route de Vinon-sur-Verdon, 13115 Saint Paul-lès-Durance, France.

For DTT: DTT Consortium c/o C.R. ENEA, Via Enrico Fermi 45, I-00044 Frascati (RM), Italy

II.2.4) Description of the procurement:

F4E and DTT will carry out jointly this procurement procedure.

As an outcome of the procedure, F4E will award two separate multiple framework contracts (MFC) for each respective scope:

1. MFWC signed by F4E: Up to six gyrotrons of 1 MW at 170 GHz with continuous wave long pulse of up to 3600s for F4E.

The scope of work includes detailed design development based on functional specifications, engineering design, procurement, assembly & factory testing, disassembly in modular form, packaging, shipment to ITER site, on-site installation, supervision of on-site installation, and commissioning at ITER site.

F4E will award and sign one (or more) specific contract, according to the cascade system, provided that the contractor can demonstrate it has reached the following conditions: 1 MW at 170 GHz, CW for longer than 100s

and demonstrated capability for stable operation in Continuous Wave (CW) by the time of launching of the F4E Task Order (expected Q4 2022).

2. MFWC signed by DTT: Up to sixteen gyrotrons of 1 MW at 170 GHz with pulse length of 100s for DTT.

The scope of work includes procurement, assembly & factory testing, disassembly in modular form, packaging, shipment to SPC, Lausanne for the pre-series gyrotrons and to the DTT site, Frascati for the series gyrotrons, supervision of installation and commissioning at SPC, Lausanne or DTT site, Frascati.

DTT will sign a Specific Contract for one pre-series gyrotron with the first ranked contractor.

DTT will sign a Specific Contract for one pre-series gyrotron with the second ranked contractor.

If both are successful, they will both be required to procure up to seven series gyrotrons each.

II.2.14) **Additional information**

II.3) **Estimated date of publication of contract notice:**

29/11/2020

Section IV: Procedure

IV.1) **Description**

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

The procurement is covered by the Government Procurement Agreement: no

Section VI: Complementary information

VI.3) **Additional information:**

The selection criteria stated below are INDICATIVE and may be subject to adjustments. The definitive selection criteria will be confirmed in the future Invitation to participate.

INDICATIVE TECHNICAL SELECTION CRITERIA

Criterion 1: Professional Capacity- applicable to the tenderer as a whole

- One Project Manager / Project Coordinator for both F4E and DTT projects , with a master degree and with at least 5 years of experience in project management and a B2 level of English or equivalent.
- Two Technical Responsible Officers (one for DTT scope, one for F4E scope), with an Engineering MSc or Science Master Degree or equivalent and with at least 5 years of professional experience in projects related to design and manufacturing of gyrotrons and a B2 level of English or equivalent.

Criterion 2: Technical Project Capacity - applicable to the tenderer as a whole

Having designed and manufactured at least one gyrotron tube whose performance has been demonstrated within the last five years with a frequency equal or greater than 170 GHz, with beam power greater or equal to 0.500 MW in a pulse of at least 100s

Criterion 3: Quality criteria - applicable at individual entity level

A valid management system certificate(s) if the management system has been certified (ISO 9001 or equivalent).

If the management system has not been certified, documentation (e.g. flow charts and/or process descriptions) demonstrating the compliance with the quality related requirements which will be detailed in the Invitation to Participate.

INDICATIVE FINANCIAL SELECTION CRITERIA

A. Noteworthy values – applicable to a tenderer as a whole (a consolidated assessment will be carried out)

The total score related to the noteworthy values (CT1+CT2) must be greater than or equal to 1.

CT1- Turnover.

$i < 6,000,000.00 = 0$

$i > 6,000,000.00 = 1$

CT2 -Simplified Cash Flow = (Net Profit) + (depreciation & amortization)

$i < 2,250,000.00 = 0$

$i > 2,250,000.00 = 1$

B. Viability standards – applicable on individual entity level (i.e. including Third party and subcontractors)

The total score related to the viability standards (ST3+ST4+ST5) must be greater than or equal to 4.

ST3 - Liquid Ratio = $[(\text{Current Assets}) - \text{Stocks}] / (\text{Current Liabilities}) \times 100$

$i < 55 = 0$

$55 \leq i < 90 = 1$

$90 \leq i < 110 = 2$

$i \geq 110 = 3$

ST4 - Solvency Ratio = $(\text{Total Equity}) / (\text{Total Assets}) \times 100$

$i < 10 = 0$

$10 \leq i \leq 20 = 1$

$20 \leq i < 45 = 2$

$i \geq 45 = 3$

ST5 - Gross Margin= $(\text{Gross Profit}) / (\text{Turnover}) \times 100$

$i < 0 = 0$

$0 \leq i \leq 10 = 1$

$10 \leq i < 20 = 2$

$i \geq 20 = 3$

VI.5) **Date of dispatch of this notice:**

09/11/2020