

Additional information: Legally binding is the German version of this publication only!

DE-Darmstadt: Electrostatic Septum

2017/S 154-318991

Contract notice

Supplies

Section I: Contracting authority

I.1) Name, addresses and contact point(s)

GSI Helmholtzzentrum für Schwerionenforschung GmbH
Planckstraße 1
Attn: Mrs. Myriam Kahl
64291 Darmstadt
GERMANY
Phone: +49 (0) 6159/71-2571
E-mail: proekf06@gsi.de
Fax: +49 (0) 6159/71-3983

Internet address(es):

Central address of the contracting authority: <http://www.gsi.de>

Further information can be obtained from: The above mentioned contact point(s)

Specifications and additional documents (including documents for competitive dialogue and a dynamic purchasing system) can be obtained from: The above mentioned contact point(s)

Tenders or requests to participate must be sent to: The above mentioned contact point(s)

I.2) Type of the contracting authority

Other: Large scale research facility

Main activity

Other: Fundamental research

Contract award on behalf of other contracting authorities

The contracting authority is purchasing on behalf of other contracting authorities: no

Section II: Object of the contract

II.1) Description

II.1.1) Title attributed to the contract by the contracting authority

Electrostatic Septum

II.1.2) Type of contract and place of fulfilment, delivery of goods and/or services

Delivery

Purchase

Main place of fulfilment, delivery of goods or services: GSI Helmholtzzentrum für Schwerionenforschung GmbH, Planckstraße 1, 64291 Darmstadt
NUTS-Code DE711

II.1.3) Information about the public contract, a framework agreement or a dynamic purchasing system (DPS)

The notice involves a public contract

II.1.4) Information on framework agreement

II.1.5) Short description of the contract or purchase(s)

SIS100 Electrostatic Septum

The electrostatic septum is a high-voltage (up to 180 kV) device situated within a vacuum chamber ($<10^{-11}$ mbar). It is basically a plate capacitor with a cathode charged to -180 kV and an

anode made from very thin (100 µm) tungsten-rhenium wires. The wires have to be tensioned by springs. The spring has to be strong enough to withdraw the wire from the system in case a wire breaks. At the same time this force has to be small enough to prevent rupture of the wire when they heat up (e.g. when the ion beam hits the wire). A force of 10 N (-10%) seems reasonable. A system has to be integrated to detect broken wires. The electric field between anode and cathode is used to deflect a particle beam. The anode is thin, because it is used like a blade that separates the circulating part of the ion beam from a part that is to be extracted out of the synchrotron. Additional electrodes, called clearing electrodes, charged to a maximum of -12 kV, will be integrated within the anode frame to counteract field penetration into the region where the beam is circulating in the synchrotron and to collect scattered ions. The challenges of this project will include the handling of the high voltages and the required quality of the vacuum. The length of the system build of two vacuum chambers will be ~5.3 m. The cable connecting the cathodes of the system with the high-voltage power supply will be more than 100 m long. The power supply is situated in another room. The deliveries will include the high-voltage power supply, the cables, resistors to reduce discharge current in case of a vacuum breakdown, two vacuum chambers, the frame of the vacuum chamber, heating jackets, NEG modules. The detailed list will be found in the detailed specification.

- II.1.6) **Common procurement vocabulary (CPV)**
42992000-6, 44615100-5
- II.1.7) **Information about Government Procurement Agreement (GPA)**
The contract is covered by the Government Procurement Agreement (GPA): yes
- II.1.8) **Lots**
This contract is divided into lots: no
- II.1.9) **Information about variants**
Variants will be accepted: no
- II.2) **Quantity or scope of the contract**
 - II.2.1) **Total quantity or scope:**
1 Piece of Electrostatic Septum
 - II.2.2) **Information about options**
Options: no
 - II.2.3) **Information about renewals**
This contract is subject to renewal: no
- II.3) **Duration of the contract or time limit for completion**
Duration in months: 24 (from the award of the contract)

Section III: Legal, economic, financial and technical information

III.1) Conditions relating to the contract

III.1.1) Deposits and guarantees required:

III.1.2) Main financing conditions and payment arrangements and/or reference to the relevant provisions governing them:

III.1.3) Jurisdiction to be taken by the tenders consortium to whom the contract is to be awarded:

Joint liability of the consortium according to the BGB (German Civil Code), with all members and their authorized representatives listed, including an authorized person who will act as a legally binding representative towards the ordering party. A legally binding, signed declaration has to be submitted.

III.1.4) Other particular conditions

The performance of the contract is subject to particular conditions: yes
On GSI Form: Violations against SchwarzArbG, AEntG and MiLoG

III.2) Conditions for participation

III.2.1) Personal situation of economic operators, including requirements relating to enrolment on professional or trade registers

Information and formalities necessary for the evaluation of the requirements:

Description of the company: containing the information requested on GSI form, such as number of employees during the last three years (to be submitted with the application by means of a self-declaration)

Self-declaration about the reliability (§6 EG VOL/A): Self-declaration, that the knowledge according to 123,124 ARC is incorrect, and none of the cases mentioned there are applicable (to be submitted with the application by means of a self- declaration).

III.2.2) Economic and financial ability

Information and formalities necessary for evaluating if the requirements are met:

- A company's statement of their gross sales and sales with respect to the type of sales as the item of the tender, always for the last 3 business years, submitted on the GSI form Unternehmensdarstellung. (to be submitted with the application by means of a self-declaration)
- Professional Liability Insurance Form

III.2.3) Technical capacity

Information and formalities necessary for evaluating whether the requirements are met:

- Certificate DIN EN ISO 9001 (or comparable Certificate)
- References Form:
 - Experience with High Voltage
 - Experience with UHV Ultra high vacuum
- List of comparable reference projects with the project information requested on the form (to be submitted with the application by means of a self- declaration).
Information about technical equipment, QM/QA, R&D: Description of the technical equipment, methods of quality insurance and possibilities in terms of research of the company (to be submitted with the application by means of a self- declaration). Submitting the quality management manual

Demanded minimum standard:

III.2.4) Information about reserved contracts

no

III.3) Conditions specific to services contracts

- III.3.1) **Information about a particular profession**
- III.3.2) **Staff responsible for the execution of the service**

Section IV: Procedure

- IV.1) **Type of procedure**
- IV.1.1) **Type of procedure**
Negotiated Procedures
- IV.1.2) **Limitations on the number of operators who will be invited to tender or to participate**
- IV.1.3) **Reduction of the number of operators during the negotiation or dialogue: yes**
- IV.2) **Award criteria**
- IV.2.1) **Award criteria:** The price is not the only surcharge criterion, all criteria are performed only in the procurement documents
- IV.2.2) **Information about electronic auction**
An electronic auction will be used:
- IV.3) **Administrative information**
- IV.3.1) **File reference number attributed by the contracting authority:**
06/50028142
- IV.3.2) **Previous publication(s) concerning the same contract**
no
- IV.3.3) **Conditions for obtaining specifications and additional documents or descriptive document**
Time limit for requests of documents
Is there a charge for the documents: no
- IV.3.4) **End date for receipt of tenders or requests to participate**
11.09.2017 – 13:00
- IV.3.5) **Date of dispatch of invitations to tender or to participate to selected candidates**
15.09.2017
- IV.3.6) **Language(s) in which tenders or requests to participate may be drawn up**
German, English
- IV.3.7) **Minimum time frame during which the tenderer must maintain the tender**
till: 23.10.2017 – 13:00
- IV.3.8) **Conditions for opening tenders**
Day: 23.10.2017
Persons authorized to be present at the opening of tenders: no

Section VI: Complementary information

- VI.1) **Information about recurrence**
This is a recurrent procurement: no
- VI.2) **Information about European Union funds**
The contract is related to a project and/or programme financed by European Union funds: no
- VI.3) **Additional information**
The tender documents have to be submitted in duplicate in paper form and electronically on CD/DVD
- VI.4) **Procedures for appeal**
- VI.4.1) **Body responsible for appeal procedures**
Vergabekammer des Bundes

Villemomblestr. 76
53115 Bonn
GERMANY

VI.4.2) **Lodging of appeals**

Precise details of the deadline(s) for lodging appeals:

VI.4.3) **Service to obtain information about the lodging of appeals**

Vergabekammer des Bundes
Villemomblestr. 76
53115 Bonn
GERMANY

The Applicant / Bidder is requested to clearly mark the parts of its request to participate (and potentially its bid later on) which contain trade or business secrets. If this does not happen, the Procurement Chamber may, in the event of review proceedings, proceed on the assumption that it has consented to its documents being accessed (Section 165 (3) ARC). When initiating review proceedings FAIR is, as the Contracting Authority, under obligation to supply the Procurement Chamber with the tender files immediately (Section 163 (2) Sentence 3 WB).

Applicants / Bidders are entitled to hold the Client to provisions on the tender process designed to protect the Bidder (Section 97 (6) ARC). If an Applicant / Bidder interested in the contract sees its rights violated due to a failure to comply with tender regulations, a complaint should be issued to FAIR in relation to the violation within ten calendar days (Section 160 (3) Sentence 1 No. 1 ARC).

Violations which are detected on the basis of the notice or the tender documents must be asserted against FAIR by the deadline for submitting applications (or bids) stated in the notice at the latest (Section 160 (3) Sentence 1 No. 2 - 3 ARC).

If FAIR informs the Applicant / Bidder that it does not intend to remedy its complaint, there is the option of submitting an application to the above-stated Procurement Chamber for a review within 15 days of receiving the notice (Section 160 (3) Sentence 1 No. 4 ARC).

Bidders whose bids will not be taken into consideration for the award of the contract will be informed of this before the award of the contract in line with Section 134 ARC. A contract may not be concluded until 15 calendar days after this information has been sent by FAIR. This period is ten calendar days where the information is transmitted via fax or electronically. This starts from the day FAIR sends the information. It is possible to award a contract upon the expiry of this period, even if the respective period under Section 160 (3) ARC has not yet expired. For that reason, in order to prevent the contract from being awarded, a request for review would have to have been issued to the FAIR via the Procurement Chamber before the expiry of the period under Section 134 ARC.

The invalidity of the awarding of a contract can only be established in accordance with Section 135 (1) and (2) ARC if it has been asserted in review proceedings within 30 calendar days of receiving notification of the conclusion of the contract; however, no later than six months after the conclusion of the contract. If the Client has announced the awarding of the contract in the Official Journal of the European Union, the deadline for asserting its invalidity ends 30 calendar days after the publication and notice of the awarding in the Official Journal of the European Union.

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

09.08.2017