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Planning

Supply of Normal-Conducting Electro-Magnets, Yokes and Coils

CERN

F01: Prior information notice

Prior information only

Notice identifier: 2024/S 000-020504

Procurement identifier (OCID): ocds-h6vhtk-047ad9

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Section I: Contracting authority

I.1) Name and addresses

CERN

CH – 1211 Geneva 23

Meyrin

Email

hugh.alabaster@stfc.ukri.org

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

<https://www.ukri.org/councils/stfc/>

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Ministry or any other national or federal authority

I.5) Main activity

Other activity

CERN is the world's largest particle physics laboratory and is home to the Large Hadron Collider. CERN undertake a broad range of global research programmes.

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Supply of Normal-Conducting Electro-Magnets, Yokes and Coils

Reference number

MS-4994/TE

II.1.2) Main CPV code

- 31630000 - Magnets

II.1.3) Type of contract

Supplies

II.1.4) Short description

This framework Market Survey concerns the supply of complete normal conducting iron-dominated electro-magnets as well as components like yokes and coils for various

magnet types for the existing and future CERN accelerator complex. The air or water-cooled magnets will be made of solid or laminated steel yokes, and of coils wound from solid or hollow copper conductor. They will have a mass ranging from a few kilograms up to several tens of tons.

The estimated value of the activity is 750k – 5M CHF

II.1.5) Estimated total value

Value excluding VAT: 5,000,000 CHF

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 33158100 - Electromagnetic unit

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

The Supply shall include the technical deliverables and activities specified in the relevant Invitation

to Tender, which may include:

- Preparation of a magnetic and/or mechanical design;
- Engineering design and preparation of a complete manufacturing file containing calculations,

production drawings, procedures, sub-contractors and the quality assurance plan;

- Procurement of all raw materials and sub-components (except those which are supplied by CERN);

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- Preparation of the necessary tooling for manufacture, tests, assembly and transport;
- Yoke stacking and assembly;
- Coil winding;
- Lamination stamping;
- Impregnation;
- Magnet assembly;
- Component manufacturing;
- Conductor brazing;
- Welding;
- Supply of one or more pre-series units and, after CERN validation, of the series;
- Execution of all mechanical, electrical and thermal measurements and hydraulic tests to ensure compliance with CERN's technical specifications;
- Magnetic measurements;
- Detailed technical documentation;
- The sealing, packing and transport to CERN.

II.3) Estimated date of publication of contract notice

31 July 2024

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: Yes

Section VI. Complementary information

VI.3) Additional information

The present framework Market Survey will be followed by several Invitations to Tenders exercises to qualified and selected firms (see Annex). Deliveries are currently foreseen over the next years, according to the schedule of the various projects.

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Variants may be considered through discussion with CERN at the Market Survey stage.

Options may be considered through discussion with CERN at the Market Survey stage.

CERN is funded by a consortium of global nations and also receives funds from EU sources. It is an NGO (Non-Governmental Organisation) and therefore is not directly subject to EU regulations. This contract is not expected to be bound to any specific EU rules.

Please note that even though the 'official' stated deadline on the market survey has passed, the contract remains open until the Invitation to Tender is issued. A Market Survey is merely an expression of interest and does not in any way constitute a commitment to bid. If you are interested in this contract, we encourage you to submit the Pre-Qualification Questionnaire and you are welcome to later decline if you decide you do not wish to proceed.