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Planning

Project title: Supply of Braiding of Woven Mineral Insulation over CERN Superconducting Cables

CERN

F01: Prior information notice

Prior information only

Notice identifier: 2024/S 000-020506

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

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Section I: Contracting authority

I.1) Name and addresses

CERN

CH - 1211 Geneva 23

Geneva

Contact

Hugh Alabaster

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

European Institution/Agency or International Organisation

I.5) Main activity

General public services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Project title: Supply of Braiding of Woven Mineral Insulation over CERN Superconducting Cables

II.1.2) Main CPV code

- 31300000 - Insulated wire and cable

II.1.3) Type of contract

Supplies

II.1.4) Short description

This Technical Description concerns the supply of braided woven mineral insulation over up to 60 km of CERN superconducting cables for the High Field Magnet (HFM) Program

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

II.1.5) Estimated total value

Value excluding VAT: 750,000 CHF

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 31320000 - Power distribution cables

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

The Supply shall include the following technical deliverables and activities:

o The production of the insulating layer by braiding a mineral sleeve around the cable.
Four

types of insulating layers are required:

? a single woven layer of fabric;

? a multi woven layers of fabric;

? a multi layers composed of a woven layers of fabric and mineral tape layer;

? Layer of insulated polymer (typically polyimide) wrapped around the cable.

o Documentation including material certificates, supply conformity report, manufacturing,
and

Manufacture Inspection Plan (MIP), test reports;

o Acceptance inspection and report of the cables and materials sent by CERN;

o Quality control, documentation and traceability for each individual cable length (spool);

- o Proper storage of cables and materials sent by CERN;
- o Appropriate packing and conditioning of the cables by batches;
- o Packing and shipment of the Supply to CERN, if so requested.

The Contractor shall install a specialized production line in a clean, protected and monitored enclosure for storage, handling and production of the batches, This production line shall be

operational in time for the required Supply.

Equipment Made Available by CERN

CERN will make available the following equipment:

- o Superconducting cable, spooled, packaged, and identified;
- o Mineral fiber yarn, supplied on spools stored in boxes or on pallets.

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

An Invitation to Tender will be issued in July 2024 with the subsequent Contract scheduled to be awarded in October 2024.

The Supply will be ordered by CERN by means of release orders for braiding of 50 m to 1200 m of superconducting cable. Each Supply covered by a dedicated release order is expected to be delivered within six weeks from notification of such release order and reception of the cable. CERN will deliver the cables concerned by a release order no later than four weeks from notification of the release order.

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.