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Planning

UKRI-1308 DUNE APA Printed Circuit Boards

UK Research and Innovation

F01: Prior information notice

Prior information only

Notice identifier: 2021/S 000-014268

Procurement identifier (OCID): ocds-h6vhtk-02bf2f

Published 23 June 2021, 9:15am

Section I: Contracting authority

I.1) Name and addresses

UK Research and Innovation

Polaris House, North Star Avenue

Swindon

SN2 1FL

Contact

Tessa Gawthorn

Email

STFCprocurement@ukri.org

Telephone

+44 1235446100

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

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

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Research and Innovation

Section II: Object**II.1) Scope of the procurement****II.1.1) Title**

UKRI-1308 DUNE APA Printed Circuit Boards

Reference number

UKRI-1308

II.1.2) Main CPV code

- 31712300 - Printed circuits

II.1.3) Type of contract

Supplies

II.1.4) Short description

This PIN is to advise the market of UKRI's current intentions regarding the procurement of Printed Circuit Boards (PCBs). Printed Circuit Boards (PCBs) are needed to construct charge readout anode plane assemblies (APAs) for the Deep Underground Neutrino Experiment based at Sanford Underground Research Facility in South Dakota. Each of these PCBs are required to operate reliably in (Liquid Argon) LAr over many years (~ 20 years) so Quality Assurance is a critical element to this project. A key requirement for these PCBs are the mechanical tolerances. As described below, board thickness must be maintained to $\pm 5\%$, and machining of features on the board is required to a high tolerance.

II.1.5) Estimated total value

Value excluding VAT: £700,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

Main site or place of performance

UNITED KINGDOM

II.2.4) Description of the procurement

The fabrication of 41,952 PCBs is required to produce 132 APAs + ~15%. Drawings and order quantities are provided in the Delta esourcing portal. The main specifications are:

a) Thickness of each board must not exceed +/-5% of the total thickness specified in the

drawings.

b) Tolerances for Depth milling, Edge milling, Counterbore holes and Countersink holes are critical and should be adhered to. A critical aspect for the milling is that tongues on the edges of some boards must be controlled to a tolerance of ± 0.1 mm.

c) A summary of the tolerances that must be achieved are as follows:

Board thickness: $\pm 5\%$

Tongue dimensions: ± 0.10 mm

Glue grooves: ± 0.20 mm

Board positioning holes: ± 0.15 mm

All other board features: ± 0.40 mm

d) Size of plated through holes for insertion of Mill-Max contacts described in the Delta esourcing portal is 1.47 ± 0.025 .

e) The PCBs will be produced in batches over a period of 65 months.

II.2.14) Additional information

UKRI intend to hold a virtual market engagement event in week commencing 19th July 2021. This event will provide potential bidders with an opportunity to find out more about the requirement as well as raise questions and provide valuable feedback. Please refer to the additional information field for details on how to express an interest and information regarding the Market Engagement Event.

II.3) Estimated date of publication of contract notice

6 September 2021

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 Market Engagement Event for this procurement will be held virtually in the week commencing 19th July 2021. This event will provide potential bidders with an opportunity to find out more about the requirement and the aims of the procurement as well as raise questions and provide valuable feedback.

The Delta eSourcing portal will be used for both the pre-market engagement and the upcoming procurement. If this procurement is of interest please register and gain access to further information on the Delta eSourcing portal, by following the URL: <https://ukri.delta-esourcing.com/tenders/UK-UK-Swindon:-Printed-circuits./763AWZQ875>. Once you have gained access to the Delta eSourcing portal, you will have access to a short questionnaire and the Delta email messaging service which facilitates all messages sent to you and from you in relation to this procurement. Please use the questionnaire to express your interest in the planned market engagement event and to raise any questions or feedback regarding this procurement.

Full details regarding the Market Engagement Event and any relevant documentation will be shared in due course within the system. Please note it is your responsibility to access these messages on a regular basis to ensure you have sight of all relevant information.

In the event that you are unable to attend, materials provided at the event will be available via the Delta eSourcing Portal.

The online "Question & Answer" facility on Delta e-sourcing system must be used to raise all queries relating to this PIN.

The Contracting Authority expressly reserves the right (i) not to award any contract as a result of the procurement process commenced by publication of this notice; and (ii) to make whatever changes it may see fit to the content and structure of the procurement; and in no circumstances will the Contracting Authority be liable for any costs incurred by any Supplier.

For technical assistance on use of the Delta e-Sourcing suite please contact the BiP Helpdesk via the Live Chat on their website, or Telephone: 0845 270 7050.

For the avoidance of doubt, this is not a Call for Competition. A Contract Notice will be issued as a call for competition and will be published on Contracts Finder and the Find a Tender Service. Not registering an interest shall not prevent any supplier participating in a future procurement, nor is it intended that any information supplied shall place any supplier at an advantage in a potential procurement process.

Dates and other information contained in this notice are indicative only and may be subject to change. No other tender documentation is available at this time.

For more information about this opportunity, please visit the Delta eSourcing portal at:

<https://ukri.delta-esourcing.com/tenders/UK-UK-Swindon:-Printed-circuits./763AWZQ875>

To respond to this opportunity, please click here:

<https://ukri.delta-esourcing.com/respond/763AWZQ875>

GO Reference: GO-2021622-PRO-18445700