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Contract

UKRI-1308 DUNE APA Printed Circuit Boards

UK Research & Innovation

F03: Contract award notice

Notice identifier: 2022/S 000-001216

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

Published 14 January 2022, 4:15pm

Section I: Contracting authority

I.1) Name and addresses

UK Research & Innovation

Science & Technology Facilities Council, Rutherford Appleton Laboratory, Harwell

Oxford

OX11 0QX

Contact

James Goldsby-West

Email

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Telephone

+44 1235446553

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

<https://www.ukri.org>

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

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.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £1,315,511.94

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 requirement is for the fabrication of 45,583 PCBs.

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: +/- 5%
- Tongue dimensions: +/- 0.1mm
- Glue grooves: +/- 0.2mm
- Board positioning holes: +/- 0.15mm
- All other board features: +/- 0.4mm

d)The first 75 APA's worth of boards are to be delivered in batches within a period of 32 months from contract award

with the option for a further 75 APA's worth of boards at a later stage.

II.2.5) Award criteria

Quality criterion - Name: Approach and Methodology / Weighting: 20

Quality criterion - Name: Project Plan / Weighting: 15

Quality criterion - Name: Quality Assurance / Weighting: 10

Quality criterion - Name: Quality Control / Weighting: 15

Quality criterion - Name: Capability to Deliver / Weighting: 10

Price - Weighting: 30

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Open procedure

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

The procurement is covered by the Government Procurement Agreement: Yes

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: [2021/S 000-028063](#)

Section V. Award of contract

Contract No

UKRI-1308

Title

DUNE APA Printed Circuit Boards

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

12 January 2022

V.2.2) Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 1

Number of tenders received by electronic means: 1

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

Merlin Circuit Technology Ltd

Hawarden Industrial Park, Manor Lane

Deeside

CH5 3QZ

Telephone

+44 1244525762

Country

United Kingdom

NUTS code

- UK - United Kingdom

National registration number

02738434

The contractor is an SME

Yes

V.2.4) Information on value of contract/lot (excluding VAT)

Initial estimated total value of the contract/lot: £1,315,511.94

Total value of the contract/lot: £1,315,511.94

Section VI. Complementary information

VI.3) Additional information

To view this notice, please click here:

<https://ukri.delta-esourcing.com/delta/viewNotice.html?noticeId=657424909>

GO Reference: GO-2022114-PRO-19501221

VI.4) Procedures for review

VI.4.1) Review body

UK Research and Innovation

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