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Tender

Cell Assembly Equipment for UKBIC Flexible Industrialisation Line (FIL)

UK Battery Industrialisation Centre

F02: Contract notice

Notice identifier: 2022/S 000-035323

Procurement identifier (OCID): ocds-h6vhtk-038d46

Published 14 December 2022, 10:15am

Section I: Contracting authority

I.1) Name and addresses

UK Battery Industrialisation Centre

Rowley Road, Baginton

Coventry

CV8 3AL

Contact

Procurement Tenders

Email

ProcurementTenders@ukbic.co.uk

Telephone

+44 2475267743

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

<https://www.ukbic.co.uk/>

Buyer's address

<https://www.ukbic.co.uk/>

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

<https://procontract.due-north.com/register>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://procontract.due-north.com/register>

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Research and Development

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Cell Assembly Equipment for UKBIC Flexible Industrialisation Line (FIL)

Reference number

DN647637

II.1.2) Main CPV code

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting

II.1.3) Type of contract

Supplies

II.1.4) Short description

The UKBIC Flexible Industrialisation Line is designed to allow staged scale-up of electrode manufacture from laboratory scale through to GWh scale on UKBIC's existing high-volume electrode lines. The project will be phased and in the first phase equipment will be purchased to allow scale-up of electrode processes from the Flexible Industrialisation Line to UKBIC's high-volume electrode lines. This will incorporate mixing process compatible with UKBIC's mainline process and coating and drying equipment which will take batches of slurry and convert them onto anode and cathode foils. Subsequent equipment will incorporate next generation electrode manufacturing processes, so solutions covering both scenarios are encouraged.

This new electrode capability will be supplemented by flexible equipment to Calender and slit the electrode reels allowing them to be converted into cells using the main UKBIC cylindrical and pouch cell assembly lines, or other flexible cell manufacturing equipment that may be installed during a later phase.

Phase one of the project also includes the installation of a Cell Cycling Facility for manufacturing conformance testing of cells manufactured at UKBIC.

Cell cycling equipment for manufacturing conformance testing of battery cells made at UKBIC.

This requirement is split into three lots:

Lot 1 – Cell Cyclers

Lot 2 – Temperature Test Chambers

Lot 3 – Cell Fixturing

Suppliers will be able to bid for individual lots, however bids that offer combined solutions incorporating more than one aspect (lot) of this equipment are encouraged.

Please see Appendix 1 -User requirements specification for the complete requirements.

II.1.6) Information about lots

This contract is divided into lots: Yes

Tenders may be submitted for all lots

II.2) Description

II.2.1) Title

Cell Cyclers

Lot No

1

II.2.2) Additional CPV code(s)

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting
- 38000000 - Laboratory, optical and precision equipments (excl. glasses)
- 42000000 - Industrial machinery

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

Cell cycling equipment to perform product conformance testing of UKBIC's cylindrical and pouch cells manufactured on the volume industrialisation lines. Separate cyclers systems for cylindrical and pouch cell testing are envisaged.

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.6) Estimated value

Value excluding VAT: £1,000,000

II.2.7) Duration of the contract, framework agreement or dynamic purchasing system

Duration in months

24

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: Yes

Description of options

Options are listed in the user requirements specification. The decision on quantity of channels/cyclers will not be made until after the tender responses have been received, so bidders are required to provide costings for multiple solutions.

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union

funds: No

II.2) Description

II.2.1) Title

Temperature Test Chambers

Lot No

2

II.2.2) Additional CPV code(s)

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting
- 42000000 - Industrial machinery

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

Battery temperature test chambers, rated to EUCAR Hazard Level 6, to maintain constant temperature conditions and provide safe containment in the event of cell failures.

The decision on sizes and quantities of chambers will not be made until after the tender responses have been received, so bidders are required to provide costings for multiple solutions.

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.6) Estimated value

Value excluding VAT: £500,000

II.2.7) Duration of the contract, framework agreement or dynamic purchasing

system

Duration in months

24

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: Yes

Description of options

Options are listed in the user requirements specification. The decision on sizes and quantities of chambers will not be made until after the tender responses have been received, so bidders are required to provide costings for multiple solutions.

II.2.13) Information about European Union Funds

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

II.2) Description

II.2.1) Title

Cell Fixturing

Lot No

3

II.2.2) Additional CPV code(s)

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting

- 42000000 - Industrial machinery

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

Cell fixturing and racking systems for industry standard 21700 cylindrical cells and UKBIC 300 x 100 x 4-12 pouch cells, so that users can easily and safely load/unload cells for testing.

The decision on the quantity of each fixture type will not be made until after the tender responses have been received, so bidders are required to provide costings for multiple solutions.

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.7) Duration of the contract, framework agreement or dynamic purchasing system

Duration in months

24

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: Yes

Description of options

The decision on the quantity of each fixture type will not be made until after the tender

responses have been received, so bidders are required to provide costings for multiple solutions.

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.2.2) Time limit for receipt of tenders or requests to participate

Date

1 February 2023

Local time

12:00pm

IV.2.4) Languages in which tenders or requests to participate may be submitted

English

IV.2.7) Conditions for opening of tenders

Date

1 February 2023

Local time

12:00pm

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.4) Procedures for review

VI.4.1) Review body

Royal Courts of Justice

London

WC2A 2LL

Country

United Kingdom