Tender

UKRI-2128 - Evaluation of UK Battery Infrastructure to Support Rapid Scale up of Battery Material and Cell Technologies

UK Research and Innovation

F02: Contract notice
Notice identifier: 2022/S 000-016249
Procurement identifier (OCID): ocds-h6vhtk-03461e
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Section I: Contracting authority

I.1) Name and addresses

UK Research and Innovation

Polaris House, North Star Avenue

Swindon

SN2 1FL

Email

corporateprocurement@ukri.org

Telephone

+44 1793867000

Country

United Kingdom

NUTS code

UKK14 - Swindon

Internet address(es)

Main address

www.ukri.org

I.3) Communication

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

https://www.delta-esourcing.com/tenders/UK-UK-Swindon:-Evaluation-consultancy-services./5TRBR2H646

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

https://www.delta-esourcing.com/tenders/UK-UK-Swindon:-Evaluation-consultancy-services./5TRBR2H646

Tenders or requests to participate must be submitted to 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-2128 - Evaluation of UK Battery Infrastructure to Support Rapid Scale up of Battery Material and Cell Technologies

Reference number

UKRI-2128

II.1.2) Main CPV code

- 79419000 - Evaluation consultancy services

II.1.3) Type of contract

Services

II.1.4) Short description

The UK Research and Innovation (UKRI) Faraday Battery Challenge (FBC) is a Government initiative that is enabling the decarbonisation of the UK's transport sector whilst ensuring that the UK prospers from this transition. Established in 2017, the FBC has been designed to create an effective research, innovation and scale-up ecosystem that can deploy advancements in battery technology and secure a battery manufacturing base in the UK. This is being delivered through its three pillars: the Faraday Institution (FI), Innovate UK and the UK Battery Industrialisation Centre (UKBIC).

The budget for this requirement is up to between £150,000 and £200,000 ex VAT, The duration of the contract is four months and the final study is required by December.

II.1.5) Estimated total value

Value excluding VAT: £200,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKK14 - Swindon

Main site or place of performance

Swindon

II.2.4) Description of the procurement

The UK Research and Innovation (UKRI) Faraday Battery Challenge (FBC) is a Government initiative that is enabling the decarbonisation of the UK's transport sector whilst ensuring that the UK prospers from this transition. Established in 2017, the FBC has been designed to create an effective research, innovation and scale-up ecosystem that can deploy advancements in battery technology and secure a battery manufacturing base in the UK. This is being delivered through its three pillars: the Faraday Institution (FI), Innovate UK and the UK Battery Industrialisation Centre (UKBIC).

This evaluation will assess the existing UK battery infrastructure available to UK PLC in the development of battery materials and cells, including academic institutions, private organisations offering contract services and open-access facilities. The existing available infrastructure will be assessed against current and likely future candidates for research/commercialisation in both battery materials and cell technologies to assess where there are gaps in support for companies progressing from lab ? pre-pilot ? pilot ? gigascale. The technologies to be assed have already been defined by an earlier study.

Different scenarios will be developed for a government funded open-access facility which addresses materials scale up, cell-level scale up, and/or both to meet the gaps identified, and maximise cost benefit to the UK.

The different scenarios will be evaluated to understand likely workflows for different technologies over a 5-15 year time horizon to understand how such facilities could be used and to further evaluate the cost-benefit of building infrastructure to support certain technologies at certain scales. As a secondary point, use by organisations outside of the UK and the global importance of such a facility in attracting foreign direct investment into the UK should be considered.

The outputs of this report may be used as guidance for the formation of the scope and evaluation of bids on infrastructure to be built as part of the next phase of the Faraday Battery Challenge.

The main aims of the tender exercise are to produce a report to:

•Identify if there is a gap in UK scale up support that could be serviced by a battery,

materials and/or cell scale up facility

•Clearly define any gap in terms of technology, scale, equipment and facility requirements, in addition to type and quantity of work predicted over a 5-15 year timescale

•Determine whether single or multiple facilities would be best placed to fill this gap through a series of scenarios

•Understand the cost-risk profile of supporting scale up of specific technologies

•Understand the limitations and challenges of building such a facility

•Understand if a facility that meets the needs of the UK could be of international importance, potentially attract foreign direct investment into the UK, and de-risk investments into supporting specific technologies

II.2.5) Award criteria

Quality criterion - Name: Quality / Weighting: 90

Cost criterion - Name: Price / Weighting: 10

II.2.6) Estimated value

Value excluding VAT: £200,000

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

Duration in months

4

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: 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

II.2.14) Additional information

To respond to this opportunity please click here: https://ukri.delta-esourcing.com/respond/5TRBR2H646

Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.2) Economic and financial standing

Selection criteria as stated in the procurement documents

III.1.3) Technical and professional ability

Selection criteria as stated in the procurement documents

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

20 July 2022

Local time

2:00pm

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

English

IV.2.7) Conditions for opening of tenders

Date

20 July 2022

Local time

2:00pm

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.3) Additional information

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

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GO Reference: GO-2022614-PRO-20310665

VI.4) Procedures for review

VI.4.1) Review body

UK Research and Innovation

Polaris House, North Star Avenue

Swindon

SN2 1FL

Country

United Kingdom