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Award

UK Manufacturing Technology for Next Generation Wind Turbines: Composites Phase 2

The Department for Business, Energy and Industrial Strategy (BEIS)

F15: Voluntary ex ante transparency notice

Notice identifier: 2021/S 000-023695

Procurement identifier (OCID): ocids-h6vhtk-02af02

Published 23 September 2021, 2:15pm

Section I: Contracting authority/entity

I.1) Name and addresses

The Department for Business, Energy and Industrial Strategy (BEIS)

1 Victoria Street

London

SW1H 0ET

Email

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Telephone

+44 2072153717

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

<https://www.delta-esourcing.com>

Buyer's address

<https://www.gov.uk/government/organisations/department-for-business-energy-and-industrial-strategy>

I.4) Type of the contracting authority

Ministry or any other national or federal authority

I.5) Main activity

General public services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

UK Manufacturing Technology for Next Generation Wind Turbines: Composites Phase 2

Reference number

TRN: 5208/07/2021

II.1.2) Main CPV code

- 73300000 - Design and execution of research and development

II.1.3) Type of contract

Services

II.1.4) Short description

BEIS intends to appoint the Offshore Renewable Energy Catapult (OREC) to carry out the work described in Section II.2.4) below. OREC will work in close collaboration with the National Composites Centre (NCC) to deliver the scope of the project. OREC and NCC are members of the UK Catapult Network and are centres of excellence responsible for offshore wind and composite materials respectively. This collaboration is therefore a unique offering of all of the skills and capabilities needed to deliver this project.

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: £5,000,000

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

BEIS is procuring work under Phase 2 of the 'UK Manufacturing Technology for Next Generation Wind Turbines', to further explore incorporating radically new composite-based components and lightweight designs in 20MW+ offshore wind turbines.

Scope of Phase 2 will build on the feasibility studies carried out by the Offshore Wind Energy Catapult (OREC) and the National Composites Centre (NCC) in Phase 1:

- Develop a turbine design architecture to assess and prioritise the value of replacing components with alternatives using advanced composite materials and manufacturing techniques.

- Provide detailed designs and specifications for the individual components that would require manufacture and testing in a potential Phase 3

Plus see 'additional information' below.

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

- Engage with the UK based supply chain to gather market intelligence, build market interest in a potential demonstration Phase 3, and identify barriers and develop solutions in design and manufacturing to deliver in a UK context

- Integrate the findings and produce a business case containing evidence on the value of undertaking work in a potential demonstration Phase 3

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Negotiated without a prior call for competition

- The works, supplies or services can be provided only by a particular economic operator for the following reason:
 - absence of competition for technical reasons

Explanation:

BEIS was looking for a Delivery Partner (DP) with a number of characteristics, which would enable effective delivery of the scope of the programme. The DP is required to have deep technical expertise and operational knowledge in offshore wind and composite industries; ability to engage with the market and the supply chain in a neutral way; and lastly, make available to all bidders in potential Phase 3 the IP and all key information developed in Phase 2, and where BEIS reserves the right to exclude the DP from involvement in the potential demonstration Phase 3.

While developing the business case for this programme, BEIS has considered various procurement route options. BEIS market analysis was informed by holding a market engagement event to seek market input.

The technical challenge of this programme is to apply the innovation in both the design and manufacturing of composite components in areas of the wind turbine systems, which have historically not utilised composites. The BEIS market analysis has indicated that there is no single organisation able to deliver the niche yet demanding technical scope of Phase 2, it also showed evidence that a consortium of OREC/NCC has the technical capability to deliver Phase 2 and that a different DP would likely have to subcontract OREC/NCC services to deliver the programme. NCC is the UK's leading authority on the design and manufacture of composite structures, OREC is the UK's leading authority on offshore wind, including the component design, validation and supply chain growth of the industry. The combination of the NCC and OREC represents the key technology areas required to deliver the programme, combining composite and offshore wind design, manufacturing and supply chain knowledge. The partnership is actively working on other composites / offshore wind programmes and previously delivered Phase 1 of this programme to explore the viability of this project.

As defined by UK Government, the role of Catapults is to engage with industry to drive and support adoption of new technologies. OREC/NCC are technology and solution agnostic,

they work with full supply chain without ties to particular suppliers or manufacturers and they are not-for-profit.

The justification for the Single Tender Action (STA) is therefore that competition is absent due to technical reasons, and to provide the combination of skills, integration and neutrality a STA to OREC/NCC, is the most suitable procurement route to achieve the objectives and outcomes of Phase 2 of the programme.

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 000-010129](#)

Section V. Award of contract/concession

Contract No

TRN: 5208/07/2021

Title

UK Manufacturing Technology for Next Generation Wind Turbines: Composites Phase 2

A contract/lot is awarded: Yes

V.2) Award of contract/concession

V.2.1) Date of conclusion of the contract

22 September 2021

V.2.2) Information about tenders

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

V.2.3) Name and address of the contractor/concessionaire

Offshore Renewable Energy Catapult (OREC)

Offshore House, Albert Street

Blyth Northumberland

NE24 1LZ

Country

United Kingdom

NUTS code

- UK - United Kingdom

National registration number

04659357

The contractor/concessionaire is an SME

No

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

Total value of the contract/lot/concession: £5,000,000

V.2.5) Information about subcontracting

The contract/lot/concession is likely to be subcontracted

Value or proportion likely to be subcontracted to third parties

Proportion: 50 %

Short description of the part of the contract to be subcontracted

The contract will be with OREC, who will work in close collaboration with the NCC, subcontracting approximately half of the work to the NCC. The NCC will lead on all activities related to the use of composite materials such as the design and manufacture of the composite components or engaging with composite industry stakeholders.

Section VI. Complementary information

VI.3) Additional information

To view this notice, please click here:

<https://www.delta-esourcing.com/delta/viewNotice.html?noticeId=611053935>

GO Reference: GO-2021923-PRO-18956475

VI.4) Procedures for review

VI.4.1) Review body

BEIS

1 Victoria St

London

SW1H 0ET

Country

United Kingdom