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Planning

Digital and Data Capabilities Framework

NATIONAL ENERGY SYSTEM OPERATOR LIMITED

F04: Periodic indicative notice – utilities

Periodic indicative notice only

Notice identifier: 2024/S 000-009204

Procurement identifier (OCID): ocids-h6vhtk-044b40

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Section I: Contracting entity

I.1) Name and addresses

NATIONAL ENERGY SYSTEM OPERATOR LIMITED

1 - 3 STRAND

LONDON

WC2N5EH

Contact

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Email

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Country

United Kingdom

Region code

UKI - London

Companies House

10841592

Internet address(es)

Main address

www.nationalgrid.com

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.6) Main activity

Electricity

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Digital and Data Capabilities Framework

II.1.2) Main CPV code

- 72000000 - IT services: consulting, software development, Internet and support

II.1.3) Type of contract

Services

II.1.4) Short description

National Grid Electricity System Operator Limited (NGESO), a legally separate business within the National Grid Group, is the electricity system operator for Great Britain. NGESO moves electricity around the system to keep homes and businesses supplied with the energy they need 24/7.

NGESO became a legally separate business from the rest of the National Grid Group in 2019. In summer 2024, NGESO will change its name to National Energy System Operator (NESO) and become owned by the UK government. Where in this notice we refer to NGESO, this should be understood as also including NESO after the change is taken place.

The Digital, Data and Technology (DD&T) organisation within NGESO provides the sourcing capabilities, roles and skills required to achieve NGESO digital deliverables.

To support the role of the National Energy System Operator (NGESO), we are looking to put in place a digital and data capabilities framework, encompassing the following lots:

- Lot 1: All Digital & Data
- Lot 2: Data & AI
- Lot 3: Security
- Lot 4: Engineering and Architecture
- Lot 5: Management

The lotting structure will be designed to suit a holistic or a more specialised approach to facilitate large companies and niche suppliers having places on the framework.

These lots will be structured as NGESO sees fit for its PQQ. Codes within this PIN cover all areas, so if interested in any of the lots, please register for the associated codes.

The PQQ is targeted to be launched on 3rd April 2024. Interested parties in any of the lots must be fully registered on Achilles and against all Achilles codes associated with the lot they are interested in in order to be able to participate. Please allow yourself sufficient time to complete the registration process prior to the targeted PQQ launch date.

More information on National Grid ESO (NGESO) can be found at <https://www.nationalgrideso.com/>

Our latest Digitalisation Strategy can be found at <https://www.nationalgrideso.com/document/299416/download>

II.1.6) Information about lots

This contract is divided into lots: Yes

II.2) Description

II.2.1) Title

All Data & Digital

Lot No

1

II.2.2) Additional CPV code(s)

- 72000000 - IT services: consulting, software development, Internet and support

II.2.3) Place of performance

NUTS codes

- UKI - London

II.2.4) Description of the procurement

Our current thinking is that this lot encompasses all competences and skills required to achieve NGESO's objectives under its business plan, digitalisation strategy, and digital first ambitions, as well as supporting NGESO as a full end to end business, and

expanding these same capabilities to cover NGESO's new roles and ambitions.

Working under multiple digital delivery methods (from Waterfall to Agile) and different types of technology, from ideation and design stages to implementation, configuration, and support as well as maintenance, these services will span software, hardware, infrastructure, and network solutions. Our current technology estate encompasses combinations of in-house built solutions, PaaS, SaaS; hosted either on-prem, data centres, public cloud, private Cloud; and classified between CNI and non-CNI.

The successful tenderer(s) for this lot will be responsible for providing end to end capabilities to enable partnership delivery of turnkey types of agreement. This Lot will be used for call off which span two or more capabilities in the other Lots, with the expectation of full end to end management of the relevant call off. As such, capabilities for this Lot should be considered as the capabilities referred to in all other Lots, being the sum of Lots 2, 3, 4 and 5 as well as the ability to deliver these in a coordinated way under the call off.

Indicative examples of required capabilities are as follows:

- ? Data architecture and engineering
- ? Data science and analytics
- ? Information assurance
- ? Threat intelligence
- ? Security operations
- ? Vulnerability assessment and management
- ? Data security
- ? Incident response
- ? Security awareness and training
- ? Security consultancy and expert advice
- ? Software and application security engineering
- ? Security architecture
- ? Engineering and maintenance of security services

- ? Risk assessment
- ? Architecture
- ? Systems and software development
- ? Quality engineering
- ? Infrastructure and network support
- ? User experience delivery
- ? DevSecOps
- ? Agile development
- ? Project management office
- ? Solution delivery management
- ? Demand management
- ? Continuity management
- ? IT governance
- ? End-to-end learning solutions
- ? Consultancy and expert advice
- ? Data management
- ? Business analysis
- ? Product management
- ? maintenance and support
- ? Design thinking
- ? Business analysis
- ? Product management

? Release management

? End-to-end digital customer experience (cx) management

UVDB Codes to be registered on Achilles:

2.1.2.0 Software Development Services

2.1.3.0 Software Support Services

2.1.10.0 Data Collection & Handling Services

2.2.3.0 IT Consultancy

2.2.10.0 Security Consultancy

II.2) Description

II.2.1) Title

Data & Artificial Intelligence (AI)

Lot No

2

II.2.2) Additional CPV code(s)

- 72000000 - IT services: consulting, software development, Internet and support

II.2.3) Place of performance

NUTS codes

- UKI - London

II.2.4) Description of the procurement

Our current thinking is that this lot will provide NGESO with specialist data capabilities including management, processing, storage, and analysis of data to inform and support data-led strategic decision-making, system related innovation, and operational efficiency. We will look to it for application of Artificial Intelligence (AI), be it in current legacy systems, new transformational platforms, or standalone solutions.

Call off for this Lot will require the successful tenderer to deliver an outcome and/or resource augmentation.

Indicative examples of required capabilities are as follows:

? Data architecture and engineering

? Data science and analytics

UVDB Codes to be registered on Achilles:

2.1.2.0 Software Development Services

2.1.10.0 Data Collection & Handling Services

2.2.3.0 IT Consultancy

II.2) Description

II.2.1) Title

Security

Lot No

3

II.2.2) Additional CPV code(s)

- 72000000 - IT services: consulting, software development, Internet and support

II.2.3) Place of performance

NUTS codes

- UKI - London

II.2.4) Description of the procurement

Our current thinking is that this lot will enable NGESO to cover both physical and digital specific security needs. This would range from internal to external threats and encompass work from policy creation to incident response.

Call off for this Lot will require the successful tenderer to deliver an outcome and/or resource augmentation.

Indicative examples of required capabilities are as follows:

- Threat intelligence

- Security operations
- Vulnerability assessment and management
- Incident response
- Security consultancy and expert advice
- Software and application security engineering
- Security architecture
- Data security
- Security awareness and training
- Risk assessment

UVDB Codes to be registered on Achilles:

2.2.3.0 IT Consultancy

2.2.10.0 Security Consultancy

2.2.22.0 Risk Management Consultancy

II.2) Description

II.2.1) Title

Engineering and Architecture

Lot No

4

II.2.2) Additional CPV code(s)

- 72000000 - IT services: consulting, software development, Internet and support

II.2.3) Place of performance

NUTS codes

- UKI - London

II.2.4) Description of the procurement

Our current thinking is that this lot encompasses the application of principles and practices involved in the development and maintenance of digital solutions and platforms which make up NGESO's digital landscape, including but not limited to software development, platform architecture, Agile DevSecOps, cloud computing. It also includes the application of architecture standards in line with NGESO defined solution strategy and modernisation practices.

Call off for this Lot will require the successful tenderer to deliver an outcome and/or resource augmentation.

Indicative examples of required capabilities are as follows:

- ? Architecture
- ? Systems and software development
- ? Quality engineering
- ? Infrastructure and network support
- ? User experience delivery
- ? DevSecOps
- ? Agile development

UVDB Codes to be registered on Achilles:

2.1.2.0 Software Development Services

2.2.3.1 Infrastructure/Hardware

2.2.3.3 Software Implementation

II.2) Description

II.2.1) Title

Management

Lot No

5

II.2.2) Additional CPV code(s)

- 72000000 - IT services: consulting, software development, Internet and support

II.2.3) Place of performance

NUTS codes

- UKI - London

II.2.4) Description of the procurement

Our current thinking is that this Lot will enable NGESO to cover its portfolio supporting needs. This will range from ideation type of engagements, creation of policies and procedures, and thought leadership papers to manage digital deliverables, as well as supporting maintenance services.

Call off for this Lot will require the successful tenderer to deliver an outcome and/or resource augmentation.

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Indicative examples of required capabilities are as follows:

- ? Project management office
- ? Solution delivery management
- ? Demand management
- ? Continuity management
- ? IT governance
- ? End-to-end learning solutions
- ? Consultancy and expert advice
- ? Data management
- ? Business analysis
- ? Product management

? maintenance and support

? Design thinking

? Business analysis

? Product management

? Release management

? End-to-end digital customer experience (CX) management

UVDB Codes to be registered on Achilles:

2.6.41.0 Business Project Management

2.2.3.0 IT Consultancy

II.3) Estimated date of publication of contract notice

3 April 2024

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: No

IV.2) Administrative information

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

English

Section VI. Complementary information

VI.3) Additional information

All information provided in this notice should be considered indicative in nature.

This notice is not a formal request for expressions of interest.

NGESO is not obliged to respond to any correspondence related to this notice. Direct or indirect canvassing of NGESO (or any person connected with it) by any person concerning this notice, or any attempt to procure information outside of the defined process is discouraged and may (in certain circumstances) require the disqualification of the relevant person(s) from participation in any future competitive procurement process.

All information provided by NGESO during this notice is at an early stage of development, is not intended by NGESO to create any contract or other commitment and is not intended by NGESO to be otherwise relied on by any person to any extent. NGESO shall have no liability for any losses incurred by any person as a result any such reliance.

You must be fully registered on Achilles and registered against ALL UVDB Codes within each Lot in order to receive the Contract Notice and be invited to the Pre-Qualification Stage.

Desta Wheeler (Desta.wheeler@achilles.com) can support any issues with completion of your registration process on Achilles ahead of the qualification event planned to commence on 3rd April 2024.