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Tender

NW2837 Vanguard Digital Scanning - Vanguard Pre Construction Survey

NORTHUMBRIAN WATER GROUP LIMITED

F05: Contract notice – utilities

Notice identifier: 2024/S 000-020502

Procurement identifier (OCID): ocds-h6vhtk-047ad7

Published 4 July 2024, 5:29pm

Section I: Contracting entity

I.1) Name and addresses

NORTHUMBRIAN WATER GROUP LIMITED

Northumbria House, Abbey Road, Pity Me

DURHAM

DH15FJ

Contact

Lewis Timmins

Email

lewis.timmins@nwl.co.uk

Telephone

+44 7802676701

Country

United Kingdom

Region code

UKC14 - Durham CC

Justification for not providing organisation identifier

Not on any register

Internet address(es)

Main address

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

I.3) Communication

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

<https://s1.ariba.com/Sourcing/Main/aw?awh=r&awssk=bFZ.0li3ltlyUJra&realm=northumbrianwater&awrdt=1>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

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

I.6) Main activity

Water

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

NW2837 Vanguard Digital Scanning - Vanguard Pre Construction Survey

Reference number

NW2837

II.1.2) Main CPV code

- 72212328 - Image-processing software development services

II.1.3) Type of contract

Services

II.1.4) Short description

Northumbrian Water is embarking on an asset capture journey to digitise its assets and change the way that asset data is collected used and viewed.

NWL have identified a need to stand up an internal resource to carry out lidar/photogrammetry scans of internal areas of operational sites, providing clear imagery and high detailed digital geometry of the assets. An existing NWL employee will be supplied with suitable hardware, training, and technical support to carry out lidar scanning of internal areas.

An external resource to carry out UAV lidar/photogrammetry capture of external areas of our sites to rapidly accelerate site capture, whilst drawing on subject matter expertise outside of NWLs capabilities. The data from internal and external capture will be federated on completion, providing NWL with precise geometric and clear imagery data for sites.

An asset visualisation platform is required to receive the data capture during survey work and provide end user with the means to navigate digitised assets, acquire dimensional insight, and interact with sources of external asset data, such as Maximo asset attributes and content in the form of documents and drawings relating to the assets. This approach minimizes the need to train people on complex CAD software but still provides a similar user experience.

There are three individual lots to be awarded.

1. Terrestrial / Wearable Lidar hardware for use by NWL employee.

Key Requirements:

- High-resolution LiDAR data collection (accuracy of 3mm at 10metre range).
- Suitable for capture of highly complex operational treatment works.
- Capture to include high resolution panoramic imagery.

2. UAV Drone & Terrestrial capture services, to carry out and supply NWL with external scan data.

Key Requirements:

- High Resolution Lidar data collection using UAV technology
- Certified drone pilots
- Proficiency in data processing
- Deliverables in industry standard formats

3. An Asset Visualisation platform to allow stakeholders to interact with a wealth of asset information from one entry point.

Key Requirements

- User-friendly interface for navigation and interaction
- Integration to existing data sources (Maximo / SharePoint)
- Compliance with NWL Security protocols

II.1.5) Estimated total value

Value excluding VAT: £1,500,000

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

Terrestrial / Wearable Lidar hardware

Lot No

1

II.2.2) Additional CPV code(s)

- 38650000 - Photographic equipment

II.2.3) Place of performance

NUTS codes

- UKC - North East (England)

II.2.4) Description of the procurement

Equipment (Hardware and Software):

For the procurement of one scanning hardware and accompanying data registration/processing software. High-resolution LiDAR data collection (accuracy of 3mm at 10metre range). Suitable for capture of highly complex operational treatment works. Capture to include high resolution panoramic imagery.

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: £50,000

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

Duration in months

36

This contract is subject to renewal

Yes

Description of renewals

The length of the contract may be extended by negotiation with the supplier for a further 24 months.

Further available optional extension periods of 2 x 24 months and 1 x 12 months will be available

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: No

II.2) Description

II.2.1) Title

UAV Drone & Terrestrial capture services

Lot No

2

II.2.2) Additional CPV code(s)

- 72212328 - Image-processing software development services

II.2.3) Place of performance

NUTS codes

- UKC - North East (England)

II.2.4) Description of the procurement

Capture Services:

For the Procurement of UAV Drone and Terrestrial based lidar scanning services. High Resolution Lidar data collection using UAV technology. Certified drone pilots. Proficiency in data processing

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

36

This contract is subject to renewal

Yes

Description of renewals

The length of the contract may be extended by negotiation with the supplier for a further 24 months.

Further available optional extension periods of 2 x 24 months and 1 x 12 months will be available

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: No

II.2) Description

II.2.1) Title

3D Geospatial Visualisation Platform

Lot No

3

II.2.2) Additional CPV code(s)

- 48328000 - Image-processing software package

II.2.3) Place of performance

NUTS codes

- UKC - North East (England)

II.2.4) Description of the procurement

For the procurement of an application to work anywhere easily with 3D streaming, connecting 3D reality capture with Asset information.

An Asset Visualisation platform to allow stakeholders to interact with a wealth of asset information from one entry point.

Key Requirements

- User-friendly interface for navigation and interaction
- Integration to existing data sources (Maximo / SharePoint)
- Compliance with NWL Security protocols

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: £950,000

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

Duration in months

36

This contract is subject to renewal

Yes

Description of renewals

The length of the contract may be extended by negotiation with the supplier for a further 24 months.

Further available optional extension periods of 2 x 24 months and 1 x 12 months will be available

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: No

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

Negotiated procedure with prior call for competition

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

Date

19 July 2024

Local time

12:00pm

IV.2.3) Estimated date of dispatch of invitations to tender or to participate to selected candidates

9 August 2024

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

English

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.3) Additional information

Please contact lewis.timmins@nwl.co.uk to obtain access to the PQQ document on Ariba tendering Portal. Please note the PQQ closes on the 26th July 2024 at 12pm.

VI.4) Procedures for review

VI.4.1) Review body

NWL

Durham

Country

United Kingdom