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Planning

IoT and Smart Connected Healthcare Environments (SBS10522)

N H S Shared Business Services Limited

F01: Prior information notice
Prior information only
Notice identifier: 2024/S 000-032279
Procurement identifier (OCID): ocds-h6vhtk-04a6cb
Published 8 October 2024, 3:18pm

Section I: Contracting authority

I.1) Name and addresses

N H S Shared Business Services Limited

Three Cherry Trees Lane

Hemel Hempsted

HP2 7AH

Email

nsbs.digital@nhs.net

Country

United Kingdom

Region code

UK - United Kingdom

Companies House

05280446

Internet address(es)

Main address

https://www.sbs.nhs.uk/

I.3) Communication

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

https://discovery.ariba.com/rfx/21198425

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Other type

Public Sector Framework Provider https://www.sbs.nhs.uk/nhs-sbs-about-us

I.5) Main activity

Health

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

IoT and Smart Connected Healthcare Environments (SBS10522)

Reference number

SBS10522

II.1.2) Main CPV code

- 32580000 - Data equipment

II.1.3) Type of contract

Supplies

II.1.4) Short description

NHS Shared Business Services Limited (NHS SBS) act in an Agency capacity for and on behalf of its customers (Approved Organisations) - existing and new. These comprise of NHS and Social Care organisations (whether acting individually, or on behalf of, or together as members of any consortia) along with any other public or private sector bodies which NHS SBS authorises to use the resulting Framework.

NHS SBS intends to put in place a Framework Agreement under the Procurement Act 2023 for the provision of IoT and Smart Connected Healthcare Environments and related Goods and Services for Healthcare and wider public sector to be used by NHS SBS Approved Organisations.

Our Approved Organisation list can be found on:

https://sbs.nhs.uk/proc-framework-agreements-support

We are committed to working with suppliers who are dedicated to Sustainability and Social Value and there will be a significant weighting on these elements in the tender.

II.1.5) Estimated total value

Value excluding VAT: £150,000,000

II.1.6) Information about lots

This contract is divided into lots: Yes

The contracting authority reserves the right to award contracts combining the following lots or groups of lots:

Lot 1: Smart Technology Products including Maintenance, Monitoring and Management Lot 2: IoT Data Analytics Software and Platforms Lot 3: End-To-End Smart Technology (IoT) Solutions Lot 4: IoT & Smart Technology Consultancy and Advisory Services The Lot structure is indicative at this stage and will be confirmed in any resultant Contract Notice.

II.2) Description

II.2.1) Title

Smart Technology Products including Maintenance, Monitoring, and Management

Lot No

1

II.2.2) Additional CPV code(s)

- 30237475 - Electric sensors

- 31700000 - Electronic, electromechanical and electrotechnical supplies

- 35100000 - Emergency and security equipment

- 51000000 - Installation services (except software)

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

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

Delivery of a compliant route to market for IoT and smart technology products and services that will support the NHS and the wider public sector organisations in their attempt to adopt smart technology and solutions. The technology helps with a myriad of problems - from asset tracking, waste, water, air quality and energy monitoring and management, efficient usage of buildings and workspaces, telematics, smart theatres, smart street lighting, real time visibility of medical devices, home monitoring based solutions, traffic insights and signals, CCTV, cameras, IoT sensors, and crime prevention.

Procurement of smart connected (IoT) Hardware such as but not limited to Sensors, actuators and other related devices for data gathering that can be used in healthcare environments as well as other settings.

The requirement could also include ongoing maintenance, monitoring and management of systems, software and devices.

Lot 1 might be suitable for suppliers who provide hardware for equipment related to smart connected environments.

II.2.14) Additional information

We intend to procure smart technology products and services, including but not limited to

• Smart buildings, water and waste management, crime prevention, education, smart street lighting, air and noise pollution monitoring.

• Design, survey, build, management, support and maintenance services

• IoT as managed services

• Vendor agnostic solution design

• "Edge" sensor technologies, connectivity, data analytics platforms and visualisation applications

• Infrastructure monitoring, preventative maintenance, and break-fix activities related to above technologies.

• Data security and 3rd party integration into overall solution designs

• Image recognition applications, alarms and security monitoring, CCTV as a service

• Data management, visualisation and analytics software and systems. With options of creating digital twin for the physical environments.

• Smart technology consulting services

Lots will be defined as an outcome of this initial market engagement PIN. The new Framework, subject to review and change, is expected to go live on February 2026.

Please see the link at section 1.3 above for instructions on how to participate and submit responses via the SAP Ariba RFI

II.2) Description

II.2.1) Title

IoT Data Analytics Software and Platforms

Lot No

2

II.2.2) Additional CPV code(s)

- 48000000 - Software package and information systems

- 72210000 - Programming services of packaged software products

- 72316000 - Data analysis services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

Delivery of a compliant route to market for IoT and smart technology products and services that will support the NHS and the wider public sector organisations in their attempt to adopt smart technology and solutions, but for more focused areas regarding data management, analysis platforms and systems.

Purchase of specialist software that will incorporate central data collection and integration, analytics, reporting and advanced visualisation, and exploration of data into actionable insights. Possible example of enabling clients to create a digital twin of the physical environment with the data generated.

Lot 2 might be suitable for suppliers with:

Data analytics, platform building or interconnectivity service speciality that directly contributes to the operation of Smart Technology. There are multiple types IoT platforms i.e. connectivity, Device Management, Application Enablement, Analytics etc.

II.2.14) Additional information

We intend to procure smart technology products and services, including but not limited to

• Smart buildings, water and waste management, crime prevention, education, smart street lighting, air and noise pollution monitoring.

• Design, survey, build, management, support and maintenance services

• IoT as managed services

• Vendor agnostic solution design

• "Edge" sensor technologies, connectivity, data analytics platforms and visualisation applications

• Infrastructure monitoring, preventative maintenance, and break-fix activities related to above technologies.

• Data security and 3rd party integration into overall solution designs

• Image recognition applications, alarms and security monitoring, CCTV as a service

• Data management, visualisation and analytics software and systems. With options of creating digital twin for the physical environments.

• Smart technology consulting services

Lots will be defined as an outcome of this initial market engagement PIN. The new Framework, subject to review and change, is expected to go live in February 2026.

Please see the link at section 1.3 above for instructions on how to participate and submit responses via the SAP Ariba RFI

II.2) Description

II.2.1) Title

End-To-End Smart Technology (IoT) Solutions

Lot No

3

II.2.2) Additional CPV code(s)

- 30237475 - Electric sensors

- 31700000 - Electronic, electromechanical and electrotechnical supplies

- 32000000 - Radio, television, communication, telecommunication and related equipment

- 35100000 - Emergency and security equipment

- 48000000 - Software package and information systems

- 50000000 - Repair and maintenance services

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

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

Delivery of a compliant route to market for IoT and smart technology products and services that will support the NHS and the wider public sector organisations in their attempt to adopt smart technology and solutions, but for more focused areas regarding end-to-end smart technology (IoT) solutions.

Lot 3 is more suitable for suppliers who can provide:

• A combination of services from Lots 1 & 2 providing sensor-based technology as well as software as a package.

• Smart technology Solutions and IoT as a managed service could also be provided under this proposed lot.

II.2.14) Additional information

We intend to procure smart technology products and services, including but not limited to

• Smart buildings, water and waste management, crime prevention, education, smart street lighting, air and noise pollution monitoring.

• Design, survey, build, management, support and maintenance services

• IoT as managed services

• Vendor agnostic solution design

• "Edge" sensor technologies, connectivity, data analytics platforms and visualisation applications

• Infrastructure monitoring, preventative maintenance, and break-fix activities related to above technologies.

• Data security and 3rd party integration into overall solution designs

• Image recognition applications, alarms and security monitoring, CCTV as a service

• Data management, visualisation and analytics software and systems. With options of creating digital twin for the physical environments.

• Smart technology consulting services

Lots will be defined as an outcome of this initial market engagement PIN. The new Framework subject to review and change, is expected to go live on February 2026.

Please see the link at section 1.3 above for instructions on how to participate and submit responses via the SAP Ariba RFI

II.2) Description

II.2.1) Title

IoT & Smart Technology Consultancy and Advisory Services

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

- UK - United Kingdom

II.2.4) Description of the procurement

Delivery of a compliant route to market for IoT and smart technology products and services that will support the NHS and the wider public sector organisations in their attempt to adapt smart technology and solutions, but for more focused areas regarding Smart technology consultancy services.

Lot 4 is suitable for suppliers who can provide:

• Consultancy related to IoT and Smart Connected Environments services not limited to, Solution proposal, programme development, and implementation, provision of a strategic direction and development of change management program.

• Advise on the design, deployment and operation of technical solutions.

II.2.14) Additional information

We intend to procure smart technology products and services, including but not limited to

• Smart buildings, water and waste management, crime prevention, education, smart

street lighting, air and noise pollution monitoring.

• Design, survey, build, management, support and maintenance services

• IoT as managed services

• Vendor agnostic solution design

• "Edge" sensor technologies, connectivity, data analytics platforms and visualisation applications

• Infrastructure monitoring, preventative maintenance, and break-fix activities related to above technologies.

• Data security and 3rd party integration into overall solution designs

• Image recognition applications, alarms and security monitoring, CCTV as a service

• Data management, visualisation and analytics software and systems. With options of creating digital twin for the physical environments.

• Smart technology consulting services

Lots will be defined as an outcome of this initial market engagement PIN. The new Framework/DPS, subject to review and change, is expected to go live on February 2026.

Please see the link at section 1.3 above for instructions on how to participate and submit responses via the SAP Ariba RFI

II.3) Estimated date of publication of contract notice

13 June 2025

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: Yes

Section VI. Complementary information

VI.3) Additional information

This Prior Information Notice (PIN) is to signal an intention to commence market engagement with suppliers within the market for IoT and Smart connected Healthcare Environments.

Please complete and return the RFI (Request for Information) via the SAP Ariba portal. Should you have access issues, please contact nsbs.digital@nhs.net for a digital copy.

NHS Shared Business Services Limited (NHS SBS) reserves the right to withdraw this notice at any time. NHS SBS is not bound to accept any proposals submitted by Bidders and is not liable for any costs incurred as a result of Bidders engaging with this process. This early market engagement exercise does not guarantee that a Procurement will take place and NHS SBS reserves the right to defer from any Procurement entirely.

NHS SBS intends to hold market engagement sessions during September - December 2024 with industry experts and suppliers interested in potentially bidding for the resulting Framework Agreement.

NHS SBS will use an eSourcing system for any procurement activity taken subsequent to this PIN. The eSourcing system we will use is SAP Ariba.

Please note that, to register, you must have a valid DUNS number (as provided by Dun and Bradstreet) for the organisation which you are registering, who will be entering into a Framework Agreement if invited to do so.

The value in II.1.5 is an indicative value over multiple years from 02/02/2026.

The date in II.3) is the estimated date of publication, please monitor Find a Tender Service https://www.find-tender.service.gov.uk/Search for the publication of the relevant high value contract notice.