

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/034262-2022>

Tender

PQQ: Procurement of Satellite Earth Stations and Lease of Satellite Transponder Bandwidth

National Physical Laboratory

F02: Contract notice

Notice identifier: 2022/S 000-034262

Procurement identifier (OCID): ocds-h6vhtk-0388ab

Published 2 December 2022, 5:05pm

Section I: Contracting authority

I.1) Name and addresses

National Physical Laboratory

Hampton Road

Teddington

TW11 0LW

Email

nina.heath@npl.co.uk

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

www.npl.co.uk

I.3) Communication

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

<https://lupc.bravosolution.co.uk/web/login.shtml>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://lupc.bravosolution.co.uk/web/login.shtml>

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

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

PQQ: Procurement of Satellite Earth Stations and Lease of Satellite Transponder Bandwidth

II.1.2) Main CPV code

- 32531000 - Satellite communications equipment

II.1.3) Type of contract

Supplies

II.1.4) Short description

NPL wishes to procure 6 No. satellite earth stations and the lease of satellite transponder bandwidth. The supplier is expected to test use of the transponder and the equipment by temporarily installing the latter at the NPL Teddington site.

In addition, NPL will require as an option for the equipment to be installed in its permanent locations, commissioned, maintained, serviced and covered by a minimum 3-year warranty.

An option will also be required for purchase of an additional 3 x active electronics equipment as spare components for use with the satellite earth stations.

An option will also be required for purchase of up to 4 No. additional satellite earth stations.

Please note that this Pre-qualification is now live for this procurement. Submission of the PQQ is required in order to be included in the ITT.

II.1.5) Estimated total value

Value excluding VAT: £300,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

NPL wishes to procure 6 No. satellite earth stations and the lease of satellite transponder bandwidth. The supplier is expected to test use of the transponder and the equipment by temporarily installing the latter at the NPL Teddington site.

In addition, NPL will require as an option for the equipment to be installed in its permanent locations, commissioned, maintained, serviced and covered by a minimum 3-year

warranty.

An option will also be required for purchase of an additional 3 x active electronics equipment as spare components for use with the satellite earth stations.

An option will also be required for purchase of up to 4 No. additional satellite earth stations.

A summary of the technical requirements is shown below:

This procurement relates to the provision of a satellite communication system for the purpose of time transfer comprising 6 No. x satellite terminal equipment and the lease of satellite transponder bandwidth at Ku-band frequencies.

The equipment must meet the requirements for provision of the system with Ku-band transmit frequency: 13.75-14.50 GHz, receive frequency 10.95-12.75 GHz.

The satellite transponder bandwidth shall be compatible for use with the satellite terminal equipment at three locations in mainland Britain, including NPL Teddington.

It must have a minimum bandwidth of 4 MHz and it would be desirable for this to be higher.

The satellite time will have a minimum availability of 99.5% and it would be desirable to be higher.

Existing customer modems will be used in the service.

The equipment must fulfil all regulatory requirements for operation in the UK and in the European Union. It must be CE marked, UKCA-marked or conform to equivalent international standards for electrical safety.

Active electronics such as upconverter, downconverter, power amplifiers, monitoring and control and power supply to be included in a single transceiver or other enclosures.

The equipment interface to the modem will be 70 MHz IF input and output. It will also be possible to use a 10 MHz external reference input signal.

The transceiver or other enclosures will provide temperature regulation of satellite terminal active electronics.

The receive-transmit offset antenna for use with Ku-band system will have a desirable size of 1.8 m, although could be up to 2.4 m. The antenna will be mounted on a heavy-duty mount with fine azimuth and elevation adjustments.

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

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

End date

31 December 2023

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: Yes

Description of options

An option will also be required for purchase of an additional 3 x active electronics equipment as spare components for use with the satellite earth stations.

An option will also be required for purchase of up to 4 No. additional satellite earth stations.

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

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: No

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: [2022/S 000-033601](#)

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

Date

3 January 2023

Local time

5:00pm

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

English

IV.2.7) Conditions for opening of tenders

Date

4 January 2023

Local time

9:00am

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.4) Procedures for review

VI.4.1) Review body

NPL Management Ltd

Hampton Road

Teddington

TW11 0LW

Country

United Kingdom