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Contract

## **Variable Field NMR Spectrometer**

National Physical Laboratory

F03: Contract award notice

Notice identifier: 2024/S 000-011662

Procurement identifier (OCID): ocds-h6vhtk-041998

Published 10 April 2024, 3:10pm

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

National Physical Laboratory

Hampton Road

Teddington

TW11 0LW

#### **Email**

[gary.phillips@npl.co.uk](mailto:gary.phillips@npl.co.uk)

#### **Telephone**

+44 2089773222

#### **Country**

United Kingdom

**Region code**

UK - United Kingdom

**Internet address(es)**

Main address

[www.npl.co.uk](http://www.npl.co.uk)

**I.4) Type of the contracting authority**

Body governed by public law

**I.5) Main activity**

Other activity

Research

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Variable Field NMR Spectrometer

#### **II.1.2) Main CPV code**

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

#### **II.1.3) Type of contract**

Supplies

#### **II.1.4) Short description**

The National Physical Laboratory [NPL] requirement is for a Variable Field Nuclear Magnetic Resonance (NMR) spectrometer for the measurement of T1, T2, T2\*, apparent diffusion coefficient, and proton density fat fraction in the liquid state. The purpose is to enable traceable, high-precision measurements of these measurands, to allow for the development of metrological standards for Magnetic Resonance Imaging (MRI). The ITT is separated into two components; the Instrument, and the Facility. We welcome tenders for either or both.

The Instrument should comprise an NMR Spectrometer, with all associated componentry (e.g., the magnet, console, probe(s), temperature control system, shims, and workstation). This should be a fully programmable spectrometer, with the capability to measure the NMR spectra of chosen samples using appropriate pulse sequences and export the resulting data to an appropriate data storage or archival facility. The magnetic field should be variable, with the ability to change the field on a monthly basis. The magnetic field should be able to reach clinically relevant MRI fields (e.g., 1.5, 2.9, 3.0, 5.0, 7.0 T), and have the capability for lower field strengths down to 0.1 T or lower. The spectrometer should be compatible with the existing equivalent facility at NIST Boulder.

#### **II.1.6) Information about lots**

This contract is divided into lots: Yes

#### **II.1.7) Total value of the procurement (excluding VAT)**

Lowest offer: 1,000,000 USD / Highest offer: 1,230,689 USD taken into consideration

## **II.2) Description**

### **II.2.1) Title**

The National Physical Laboratory [NPL] requirement is for a Variable Field Nuclear Magnetic Resonance (NMR) spectrometer for the measurement of T1, T2, T2\*, apparent diffusion coefficient, and proton

Lot No

1

### **II.2.2) Additional CPV code(s)**

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

### **II.2.4) Description of the procurement**

Variable Field NMR Spectrometer

### **II.2.5) Award criteria**

Price

### **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

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## **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: Yes

### **IV.2) Administrative information**

#### **IV.2.1) Previous publication concerning this procedure**

Notice number: [2023/S 000-033605](#)

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## **Section V. Award of contract**

### **Lot No**

1

### **Title**

Variable Field NMR Spectrometer Lot 1 - Instrument

A contract/lot is awarded: Yes

### **V.2) Award of contract**

#### **V.2.1) Date of conclusion of the contract**

10 April 2024

#### **V.2.2) Information about tenders**

Number of tenders received: 2

Number of tenders received from SMEs: 1

Number of tenders received from tenderers from other EU Member States: 1

Number of tenders received from tenderers from non-EU Member States: 1

Number of tenders received by electronic means: 2

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

### **V.2.3) Name and address of the contractor**

Deerfield Imaging, Inc - Superconducting Systems (IMRIS)

1230 Chaska Creek Way, Suite100, Chaska MN

Chaska

55318

Country

United States

NUTS code

- US - United States

The contractor is an SME

No

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

Total value of the contract/lot: 1,000,000 USD

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## **Section VI. Complementary information**

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

NPL Management Limited

Hampton Road

Teddington

TW11 0LW

Country

United Kingdom