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Planning

Hall Effect System

University of Northumbria at Newcastle

F01: Prior information notice
Prior information only
Notice identifier: 2024/S 000-017550
Procurement identifier (OCID): ocds-h6vhtk-046ddd
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Section I: Contracting authority

I.1) Name and addresses

University of Northumbria at Newcastle

Sutherland Building, College Street, Newcastle upon Tyne

Newcastle upon Tyne

NE1 8ST

Contact

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Email

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Telephone

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Country

United Kingdom

Region code

UKC - North East (England)

Internet address(es)

Main address

https://www.northumbria.ac.uk

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Hall Effect System

Reference number

T23/0125

II.1.2) Main CPV code

- 38340000 - Instruments for measuring quantities

II.1.3) Type of contract

Supplies

II.1.4) Short description

The Faculty of Engineering and Environment at Northumbria University is undergoing expansion and enhancement of its engineering materials facilities. Following recent grant successes, this includes investment in both space and equipment. In particular, we are looking to improve our materials characterisation facilities. We are looking to acquire a Hall effect system to measure resistivity/conductivity, carrier mobility and carrier concentration and type in semiconductor thin films. The system must be well suited to measure transparent conductive oxides as well as solar absorbers such as Sb2(S,Se)3, Cu2ZnSn(S,Se4) and related materials typically deposited on glass substrates. The system should be compact and benchtop and capable of reliably measuring thin film samples with low mobility (10-1 cm2/V.s or below) without compromising the measurement quality or samples with high mobility. The system should include full software and a PC to measure and extract the desired film properties with a user-friendly interface. UK training and support is paramount.

II.1.5) Estimated total value

Value excluding VAT: £70,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKC - North East (England)

Main site or place of performance

NORTH EAST (ENGLAND)

II.2.4) Description of the procurement

The procurement involves the acquisition of a compact, benchtop Hall effect system designed for precise measurement of resistivity/conductivity, carrier mobility, and concentration in semiconductor thin films. The system should be capable of reliably measuring samples with low mobility, supporting research and academic applications. Only one unit is required for this procurement.

II.2.14) Additional information

While the contracting authority has decided to advertise voluntarily, does not represent a commitment to follow one of the official procurement procedures.

II.3) Estimated date of publication of contract notice

26 June 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: Yes

Section VI. Complementary information

VI.3) Additional information

For more information about this opportunity, please visit the Delta eSourcing portal at:

https://www.delta-esourcing.com/tenders/UK-UK-Newcastle-upon-Tyne:-Instruments-for-measuring-quantities./8DDYP6Q5N6

To respond to this opportunity, please click here:

https://www.delta-esourcing.com/respond/8DDYP6Q5N6

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