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Contract

Miscanspeed sequencing procurement

Aberystwyth University

F03: Contract award notice

Notice identifier: 2022/S 000-024473

Procurement identifier (OCID): ocds-h6vhtk-0364d9

Published 1 September 2022, 2:37pm

Section I: Contracting authority

I.1) Name and addresses

Aberystwyth University

c/o Finance Office, Student Welcome Centre, Penglais Campus

Aberystwyth

SY23 3FB

Email

pad47@aber.ac.uk

Telephone

+44 1970628716

Country

United Kingdom

NUTS code

UKL1 - West Wales and the Valleys

Internet address(es)

Main address

<http://www.aber.ac.uk>

I.4) Type of the contracting authority

Other type

University

I.5) Main activity

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Miscanspeed sequencing procurement

II.1.2) Main CPV code

- 33696500 - Laboratory reagents

II.1.3) Type of contract

Supplies

II.1.4) Short description

Researchers at IBERS, Aberystwyth University are undertaking a 3 year project to implement genomic selection (GS) in the perennial energy crop Miscanthus. The project is to establish genomic selection in 2 Miscanthus recurrent selection pools (M.sinensis and M.sacchariflorus). We need a rapid, high throughput genomic marker system to enable selections in time to make crosses within the same season in order to generate the subsequent generation.

II.1.6) Information about lots

This contract is divided into lots: No

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

Value excluding VAT: £224,325.84

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKL1 - West Wales and the Valleys

Main site or place of performance

Aberystwyth

II.2.4) Description of the procurement

The projects has 2 phases:

Phase 1. Training Set & parents: 111 diploid *M. sinensis*, 341 tetraploid *M.sacchariflorus*

Phase 2: Progeny screening: Approx. 1000 progeny per species, per year. Max. 2000 per year, 6000 total over 3 years.

Phase 1.

Leaf samples will be taken from mature plants in July 2022.

A.Genomic DNA will be extracted from leaf samples. We will prepare DNA in-house if necessary, but we would prefer all processing to be done by the company if at all possible.

B.The company will process and sequence the DNA samples

C.The company will generate genomic (SNP) markers (genotype calls rather than NGS sequence tags that then have to be mined for SNPs).

Phase 2:

Samples will be taken from the seedlings in Feb/March of 2023, 2024 and 2025.

A. Genomic DNA will be extracted from leaf samples. We will prepare DNA in-house if

necessary, but we would prefer all processing to be done by the company if at all possible.

B. The company will process and sequence the DNA samples. This may be using the same technology or a modified version in relation to Phase 1.

C. The company will generate genomic (SNP) markers (genotype calls rather than NGS sequence tags that then have to be mined for SNPs).

Markers are required back by May/June at the latest. A rapid and robust process is essential or we will miss a year's crossing and miss our project targets.

We need the same SNPs for both GS training (Phase 1, 2022) and genotyping the seedlings (Phase 2, 2023-2025).

II.2.5) Award criteria

Quality criterion - Name: Technical / Weighting: 800

Cost criterion - Name: Cost / Weighting: 200

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

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: [2022/S 022-121824](#)

Section V. Award of contract

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

16 August 2022

V.2.2) Information about tenders

Number of tenders received: 3

Number of tenders received from SMEs: 0

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 3

Number of tenders received by electronic means: 3

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

V.2.3) Name and address of the contractor

Rapid Genomics

747 SW 2nd Ave, Ste 314

Gainesville

32601

Telephone

+1 3522732196

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: £224,325.84

Section VI. Complementary information

VI.3) Additional information

(WA Ref:124209)

VI.4) Procedures for review

VI.4.1) Review body

High Court

Royal Courts of Justice, The Strand

London

WC2A 2LL

Telephone

+44 2079477501

Country

United Kingdom