

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/015181-2022>

Tender

## **Miscanspeed sequencing procurement**

Aberystwyth University

F02: Contract notice

Notice identifier: 2022/S 000-015181

Procurement identifier (OCID): ocds-h6vhtk-0341f3

Published 31 May 2022, 11:58am

### **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](mailto: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.3) Communication**

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

<https://etenderwales.bravosolution.co.uk/>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://etenderwales.bravosolution.co.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.1.5) 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

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

Duration in months

36

This contract is subject to renewal

Yes

Description of renewals

Any work awarded following phase 1 will be by the way of extension options to the original contract

### **II.2.10) Information about variants**

Variants will be accepted: No

### **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 III. Legal, economic, financial and technical information**

### **III.1) Conditions for participation**

#### **III.1.2) Economic and financial standing**

Selection criteria as stated in the procurement documents

#### **III.1.3) Technical and professional ability**

Selection criteria as stated in the procurement documents

---

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

Date

1 July 2022

Local time

2:00pm

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

English, Welsh

#### **IV.2.7) Conditions for opening of tenders**

Date

1 July 2022

Local time

2:00pm

Place

E-tender Wales

Information about authorised persons and opening procedure

Opening Committee through E-tender Wales

---

## **Section VI. Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

### **VI.3) Additional information**

NOTE: The authority is using eTenderwales to carry out this procurement process. To obtain further information record your interest on Sell2Wales at

[https://www.sell2wales.gov.wales/search/search\\_switch.aspx?ID=121824](https://www.sell2wales.gov.wales/search/search_switch.aspx?ID=121824)

(WA Ref:121824)

The buyer considers that this contract is suitable for consortia.

### **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