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Tender

## **RBGKEW1309 Long-Read Ash Genome Sequencing 2024**

Royal Botanic Gardens, Kew

F02: Contract notice

Notice identifier: 2024/S 000-015129

Procurement identifier (OCID): ocids-h6vhtk-045914

Published 13 May 2024, 12:05pm

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

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

Royal Botanic Gardens, Kew

The Herbarium, Kew Green, Richmond,

London

TW9 3AE

#### **Contact**

Jamal Jimenez

#### **Email**

[procurement@kew.org](mailto:procurement@kew.org)

#### **Telephone**

+44 2083325000

#### **Country**

United Kingdom

**Region code**

UKI75 - Hounslow and Richmond upon Thames

**National registration number**

Royal Botanic Gardens, Kew

**Internet address(es)**

Main address

[www.kew.org](http://www.kew.org)

**I.3) Communication**

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

<https://www.delta-esourcing.com/tenders/UK-UK-London:-Research-services./3N7G36RRG8>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://www.delta-esourcing.com/tenders/UK-UK-London:-Research-services./3N7G36RRG8>

Tenders or requests to participate must be submitted to the above-mentioned address

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

Ministry or any other national or federal authority

**I.5) Main activity**

Environment

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## Section II: Object

### II.1) Scope of the procurement

#### II.1.1) Title

RBGKEW1309 Long-Read Ash Genome Sequencing 2024

Reference number

RBGKEW1309

#### II.1.2) Main CPV code

- 73110000 - Research services

#### II.1.3) Type of contract

Services

#### II.1.4) Short description

Royal Botanic Gardens, Kew wishes to appoint a supplier to individually sequence the whole genomes of up to 300 European ash trees (*Fraxinus excelsior*) at a minimum of 15x whole genome coverage via a long-read technology. *Fraxinus excelsior* is a diploid and has a 1C genome size of 880 Mbp.

In addition to the 300 individual ash trees, we wish to sequence a minimum of six technical replicates. Therefore, the total number of samples we wish to sequence is 306.

RBG Kew intends to supply total genomic DNA for each sample with the following metrics: minimum of 10ug DNA; minimum concentration of 30ng/ml (as measured with a Quantus flurometer dsDNA assay); at least 50% of the sample in fragments with a minimum length of 40kb; minimum OD260/280 of 1.8; minimum OD260/230 of 1.8; minimum DIN of 7.

#### II.1.5) Estimated total value

Value excluding VAT: £167,000

#### II.1.6) Information about lots

This contract is divided into lots: No

### II.2) Description

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

NUTS codes

- UKI - London

Main site or place of performance

LONDON

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

Royal Botanic Gardens, Kew wishes to appoint a supplier to individually sequence the whole genomes of up to 300 European ash trees (*Fraxinus excelsior*) at a minimum of 15x whole genome coverage via a long-read technology. *Fraxinus excelsior* is a diploid and has a 1C genome size of 880 Mbp.

In addition to the 300 individual ash trees, we wish to sequence a minimum of six technical replicates. Therefore, the total number of samples we wish to sequence is 306.

RBG Kew intends to supply total genomic DNA for each sample with the following metrics: minimum of 10ug DNA; minimum concentration of 30ng/ml (as measured with a Quantus flurometer dsDNA assay); at least 50% of the sample in fragments with a minimum length of 40kb; minimum OD260/280 of 1.8; minimum OD260/230 of 1.8; minimum DIN of 7.

The maximum contract value is £167,000 GBP (excluding VAT). We wish to maximise the number of samples sequenced at a minimum of 15x whole genome coverage (minimum of 13.2 gigabases of data per sample). Optionally, if all 306 samples can be sequenced to at least 15x (minimum of 13.2 gigabases of data per sample) within the maximum contract value, we may wish to maximise the total amount of data in gigabases for each of the 306 samples.

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

Quality criterion - Name: Technical Criteria / Weighting: 155

Cost criterion - Name: Price per quality Point (PQP) / Weighting: 0

### **II.2.6) Estimated value**

Value excluding VAT: £167,000

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

Duration in months

12

This contract is subject to renewal

Yes

Description of renewals

Contract may be extended for 12 months subject to requirements of RBGKEW.

**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 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

13 June 2024

Local time

12:00pm

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

English

#### **IV.2.6) Minimum time frame during which the tenderer must maintain the tender**

Duration in months: 3 (from the date stated for receipt of tender)

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

Date

13 June 2024

Local time

12:02pm

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## **Section VI. Complementary information**

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

This is a recurrent procurement: No

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

The contracting authority considers that this contract may be suitable for economic operators that are small or medium enterprises (SMEs). However, any selection of tenderers will be based solely on the criteria set out for the procurement.

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

<https://www.delta-esourcing.com/tenders/UK-UK-London:-Research-services./3N7G36RRG8>

To respond to this opportunity, please click here:

<https://www.delta-esourcing.com/respond/3N7G36RRG8>

GO Reference: GO-2024513-PRO-26024329

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

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

Head of Procurement & Contract Management, Royal Botanic Gardens, Kew

Royal Botanic Gardens, Kew, The Herbarium, Kew Green

Richmond

TW9 3AE

Telephone

+44 2083325000

Country

United Kingdom