

United Kingdom-Coventry: Gas-analysis apparatus

OJ S 177/2016 14/09/2016

Contract notice

Supplies

Directive 2004/18/EC

Section I: Contracting authority

I.1. Name and addresses

Official name: The University of Warwick

Postal address: University House

Town: Coventry

Postal code: CV4 8UW

Country: United Kingdom

Contact person: Purchasing and Insurance office

For the attention of: Trevor Williams

E-mail: t.j.williams@warwick.ac.uk

Telephone: +44 2476150575

Internet address(es):General address of the contracting authority: <https://in-tendhost.co.uk/universityofwarwick>**Additional information can be obtained from:**

the abovementioned address

Specifications and additional documents (including documents for competitive dialogue and a dynamic purchasing system) can be obtained from:

the abovementioned address

Tenders or requests to participate must be submitted: the abovementioned address**I.2. Type of the contracting authority**

Other

I.3. Main activity

Education

I.4. Contract award on behalf of other contracting authorities

The contracting authority is purchasing on behalf of other contracting authorities: no

Section II: Object of the contract

II.1. Description**II.1.1. Title attributed to the contract by the contracting authority**

Gas Analysis Equipment for a Battery Research Facility CJ-09-16-WMG-GASANAL-PB.

II.1.2. Type of contract and place of performance or delivery

Supplies

Purchase

Main site or place of performance: University of Warwick, Coventry, CV4 7AL.

NUTS code

II.1.3. Information about a framework agreement or a dynamic purchasing system

The notice involves a public contract

II.1.4. Information about framework agreement

II.1.5. Short description of the contract or purchase(s)

The University of Warwick, Warwick Manufacturing Group (WMG) has a requirement for gas Analysis equipment as part of the expansion of their Battery Research facility for Li-ion and other battery chemistries.

This tender is split into 3 lots, suppliers are invited to submit a tender for the complete scope of supply within each lot or for 1 or more lots in which they are interested. Subcontracting will be considered and any subcontractors used should be highlighted within your bid.

The 3 lots are as follows:

Lot 1: In 1 experiment, small coin cells (< 30 mm diameter) will be made from electrode materials recovered from commercial lithium-ion cells. The equipment must polarise the cells over the whole voltage range and the gases evolved must be analysed. It is estimated that such cells will vent approximately 300 ml of gas. The gas analysis apparatus must be able to house the electrode materials in an enclosed coin cell (e.g. Differential Electrochemical Mass Spectrometry cell) and channel vent gas to the gas analyser, without being corroded by these gases.

Lot 2: We wish to analyse the composition of gases being evolved from individual and combined battery components (Separator, binders, electrolyte) and active materials (Cathode and Anode powders) as they thermally degrade. Typical sample sizes are 32mm diameter disks between 10 and 300 microns thick. Temperatures of interest are between room temperature and approximately 800 degrees Celsius.

Lot 3: Full commercial Li-ion cells of up to 50 Ah capacity will undergo abuse conditions in a room that is dedicated for abuse testing. Such cells could vent up to 200 litres of gas in a violent thermal runaway. The gas analyser must be able to extract some, if not all, of this gas and quantify its constituent components.

Please refer to: <http://in-tendhost.co.uk/universityofwarwick> for further information and to express interest. You will be able to download the full tender documents from this site. Any queries in relation to this requirement should be directed to the University of Warwick via the correspondence functionality of the In-tend system. Failure to do so may result in queries being excluded from the procedure.

In order to express interest in this opportunity please go to the University of Warwick In-Tend supplier portal (<https://in-tendhost.co.uk/universityofwarwick>). All queries must be sent via In-tend Correspondence and not directly to University staff.

The University expressly reserves the rights:

- i) Not to award any contract as a result of this procurement process commenced by publication of this notice;
- ii) To make whatever changes it may see fit to the content and structure of the tendering competition;
- iii) To award (a) contract(s) in respect of any part(s) of the (services) covered by this notice; and
- iv) To award contract(s) in stages.

Under no circumstances will the University be liable for any costs incurred by candidates.

The University of Warwick is not a contracting authority for the purposes of the Public Contracts Regulations 2015 (as amended) and its procurement activities are not subject to the Public Contracts Regulations 2015 or the obligations under the European Public Procurement Directives, including the European Remedies Directive. Advertisement of any contract in the Official Journal of the European Union or Contracts Finder is at the sole discretion of the University and is undertaken on a voluntary basis with no implied obligation to comply with the

procurement legislation.

All bids must be received by midday 10.10.2016.

II.1.6. CPV code(s)

38432100 Gas-analysis apparatus, 31400000 Accumulators, primary cells and primary batteries

II.1.7. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: no

II.1.8. Lots

This contract is divided into lots: yes

Tenders may be submitted for one or more lots

II.1.9. Information about variants

Variants will be accepted: no

II.2. Scope of the procurement

II.2.1. Total quantity or scope

Estimated value excluding VAT:

Range: between 350 000 and 450 000 GBP

II.2.2. Information about options

II.2.3. Information about renewals

II.3. Duration of the contract or time limit for completion

Duration in months: 0 (from the award of the contract)

Information about lots

Lot No: 1

Lot title: Lot 1: Electrochemical sweeping and gas analysis

1) Short description

In 1 experiment, small coin cells (< 30 mm diameter) will be made from electrode materials recovered from commercial lithium-ion cells. The equipment must polarise the cells over the whole voltage range and the gases evolved must be analysed. It is estimated that such cells will vent approximately 300 ml of gas. The gas analysis apparatus must be able to house the electrode materials in an enclosed coin cell (e.g. Differential Electrochemical Mass Spectrometry cell) and channel vent gas to the gas analyser, without being corroded by these gases.

2) CPV code(s)

38432100 Gas-analysis apparatus, 31400000 Accumulators, primary cells and primary batteries

3) Quantity or scope

4) Indication about different time frame or duration

5) Additional information about lots

Lot No: 2

Lot title: Small scale gas evolution

1)

Short description

We wish to analyse the composition of gases being evolved from individual and combined battery components (Separator, binders, electrolyte) and active materials (Cathode and Anode powders) as they thermally degrade. Typical sample sizes are 32mm diameter disks between 10 and 300 microns thick. Temperatures of interest are between room temperature and approximately 800 degrees Celsius.

2) CPV code(s)

38432100 Gas-analysis apparatus, 31400000 Accumulators, primary cells and primary batteries

3) Quantity or scope

4) Indication about different time frame or duration

5) Additional information about lots

Lot No: 3

Lot title: Lot 3 — Large scale gas evolution

1) Short description

Full commercial Li-ion cells of up to 50 Ah capacity will undergo abuse conditions in a room that is dedicated for abuse testing. Such cells could vent up to 200 litres of gas in a violent thermal runaway. The gas analyser must be able to extract some, if not all, of this gas and quantify its constituent components.

2) CPV code(s)

38432100 Gas-analysis apparatus, 31400000 Accumulators, primary cells and primary batteries

3) Quantity or scope

4) Indication about different time frame or duration

5) Additional information about lots

Section III: Legal, economic, financial and technical information

III.1. Conditions related to the contract

III.1.1. Deposits and guarantees required

The University's particular requirements will be set out in the Invitation to Tender documentation and may include, inter alia, performance bond(s) and/or parent company guarantee(s) and/or other forms of security.

III.1.2. Main financing conditions and payment arrangements and/or reference to the relevant provisions governing them

To be determined. Please refer to tendering documents.

III.1.3. Legal form to be taken by the group of economic operators to whom the contract is to be awarded

The University's particular requirements are to be determined but where a consortium or other grouping of suppliers submits a bid, such consortia or grouping must nominate a lead organisation to deal with the Contracting Authority on all matters relating to the Contract. All

consortium members or grouping will be required to be jointly and severally liable in respect of the obligations and liabilities relating to the Contract.

III.1.4. Contract performance conditions

The performance of the contract is subject to particular conditions: no

III.2. Conditions for participation

III.2.1. Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions: Please refer to tender documents.

III.2.2. Economic and financial ability

List and brief description of conditions: Please refer to tender documents.

Minimum level(s) of standards possibly required: Please refer to tender documents.

III.2.3. Technical and professional ability

List and brief description of conditions:

Please refer to tender documents.

Minimum level(s) of standards possibly required:

Please refer to tender documents.

III.2.4. Information about reserved contracts

III.3. Conditions specific to services contracts

III.3.1. Information about a particular profession

III.3.2. Information about staff responsible for the performance of the contract

Section IV: Procedure

IV.1. Type of procedure

IV.1.1. Type of procedure

Open

IV.1.2. Information about the limits on the number of candidates to be invited

IV.1.3. Information about reduction of the number of solutions or tenders during negotiation or dialogue

IV.2. Award criteria

IV.2.1. Award criteria

The most economically advantageous tender in terms of Price is not the only award criterion and all criteria are stated only in the procurement documents

IV.2.2. Information about electronic auction

An electronic auction will be used: no

IV.3. Administrative information

IV.3.1. File reference number attributed by the contracting authority

CJ-09-16-WMG-GASANAL-PB

IV.3.2. Previous publication concerning this procedure

no

IV.3.3. Conditions for obtaining specifications and additional documents or descriptive document

Time limit for receipt of requests for documents or for accessing documents: 10.10.2016
Payable documents: no

IV.3.4. Time limit for receipt of tenders or requests to participate

10.10.2016 - 12:00

IV.3.5. Estimated date of dispatch of invitations to tender or to participate to selected candidates

IV.3.6. Languages in which tenders or requests to participate may be submitted

English.

IV.3.7. Minimum time frame during which the tenderer must maintain the tender

Duration in months: 6 (from the date stated for receipt of tender)

IV.3.8. Conditions for opening of tenders

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.2. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
no

VI.3. Additional information

Please refer to: <http://in-tendhost.co.uk/universityofwarwick> for further information and to express interest. You will be able to download the full tender documents from this site. Any queries in relation to this requirement should be directed to the University of Warwick via the correspondence functionality of the In-tend system. Failure to do so may result in queries being excluded from the procedure.

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VI.4. Procedures for review

VI.4.1. Review body

VI.4.2. Review procedure

Precise information on deadline(s) for review procedures: The authority will incorporate a minimum 10 calendar day standstill period at the point that information on the award of the contract is communicated to tenderers. If an appeal regarding the award of contract has not been successfully resolved please flag this via In-Tends communications tool. Any such action must be brought promptly (generally within 30 days).

VI.4.3. Service from which information about the review procedure may be obtained

VI.5. Date of dispatch of this notice

9.9.2016