Contract

838 - e-Powertrain Test Cell Equipment Supply and Installation

Aston University

F03: Contract award notice
Notice identifier: 2023/S 000-036909
Procurement identifier (OCID): ocds-h6vhtk-04071c
Published 15 December 2023, 10:45am

Section I: Contracting authority

I.1) Name and addresses

Aston University

Aston Triangle

Birmingham

B4 7ET

Contact

Mr Jacob Rankine

Email

j.rankine@aston.ac.uk

Telephone

+44 1212043000

Country

United Kingdom

Region code

UKG31 - Birmingham

Internet address(es)

Main address

http://www.aston.ac.uk

Buyer's address

http://www.aston.ac.uk

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

838 - e-Powertrain Test Cell Equipment Supply and Installation

Reference number

DN692078

II.1.2) Main CPV code

- 34144900 - Electric vehicles

II.1.3) Type of contract

Supplies

II.1.4) Short description

The College of Engineering and Physical Sciences (EPS) at Aston University is seeking to acquire an e-motor test system for durability and functionality testing of electric motors for electric vehicles (EVs) following standard and no-standard test cycles.

This system will form part of their integral research programme looking at Sustainable Energy and Transport. To meet the requirements, the e-motor test system must meet the following criteria:

• Be able to test electric motors for EVs with rated power up to about 175 kW, rated torque 420 N.m, and rated speed 16,0000 rpm, with inertia equal or lower than 0.3 kg.m2.

• Have the AC dynamometer mounted on a metal base plate for which air springs must be supplied to be adapted to the existing one or a full metal base plate with air springs provided.

• Include Turnkey control and data acquisition system conveniently integrated in table/rack/cabinet structure with dynamometer controller, computer, monitor, emergency stop button, power analyser and weather station plus user-friendly software able to reproduce standard/custom test schedules.

• Include dynamometer shaft cover for operator safety.

• Include calibration arms and weights.

• Include a battery emulator to simulate operation of various EV battery types.

• Include specimen adaptation and conditioning unit.

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: £500,000

II.2) Description

II.2.2) Additional CPV code(s)

- 31110000 - Electric motors
- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.2.3) Place of performance

NUTS codes

- UKG31 - Birmingham

II.2.4) Description of the procurement

The College of Engineering and Physical Sciences (EPS) at Aston University is seeking to acquire an e-motor test system for durability and functionality testing of electric motors for electric vehicles (EVs) following standard and no-standard test cycles.

This system will form part of their integral research programme looking at Sustainable Energy and Transport. To meet the requirements, the e-motor test system must meet the following criteria:

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reproduce standard/custom test schedules.

• Include dynamometer shaft cover for operator safety.

• Include calibration arms and weights.

• Include a battery emulator to simulate operation of various EV battery types.

• Include specimen adaptation and conditioning unit.

II.2.5) Award criteria

Quality criterion - Name: Quality / Weighting: 70

Price - Weighting: 30

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

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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: No

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: 2023/S 000-028967

Section V. Award of contract

Contract No

838

Title

838 - e-Powertrain Test Cell Equipment Supply and Installation

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

14 December 2023

V.2.2) Information about tenders

Number of tenders received: 4

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

V.2.3) Name and address of the contractor

Horiba UK Limited

Northampton

Country

United Kingdom

NUTS code

- UKF24 - West Northamptonshire

The contractor is an SME

Yes

V.2.4) Information on value of contract/lot (excluding VAT)

Total value of the contract/lot: £500,000

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

Aston University

Birmingham

Country

United Kingdom