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Tender

4585/AMRC/CK/25 Gas Decarbonisation Equipment & Carbon Removal Services R2

UNIVERSITY OF SHEFFIELD

UK4: Tender notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-063643

Procurement identifier (OCID): ocds-h6vhtk-05ab73 ([view related notices](#))

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Scope

Reference

4585/AMRC/CK/25

Description

4585/AMRC/CK/25 Gas Decarbonisation Equipment

The University of Sheffield wishes to invite tenders for a Gas Decarbonisation Equipment on behalf of the Advanced Manufacturing Research Centre, Castings Group at Catcliffe, South Yorkshire.

Scope of Requirement

AMRC Castings has many gas fuelled processes which we are looking to decarbonise, in particular a 656kW kiln used for firing the ceramic shells used for investment casting. The

thermodynamic requirements of the process and on-site electrical grid constraints mean that electrification is not a viable option, and as such, we are interested in ways of decarbonising the natural gas supply to the kiln.

We are aware that fuel switching to low carbon hydrogen is technically possible, but currently low carbon hydrogen is significantly more expensive than natural gas which would result in uneconomically high operational costs.

We are interested in installing a natural gas decarbonisation system to supply our investment mould flash fire kiln, but we need the solution to be comparable economically to natural gas.

Tender Process and Documentation:

This procurement is an open procedure conducted in accordance with the Procurement Act 2023.

The ITT can be downloaded by registering and expressing your interest on the University's e-tendering system <https://in-tendhost.co.uk/Sheffield>

If you have any questions or comments in relation to this tender they must be submitted via the In-tend System, this can be accessed at <https://in-tendhost.co.uk/Sheffield>

Completed tenders must be returned through the same e-tendering system.

Closing date for receipt of tenders: November 4, 2025 at 12 noon (UK time).

Total value (estimated)

- £470,000 excluding VAT
- £563,999 including VAT

Above the relevant threshold

Contract dates (estimated)

- 1 December 2025 to 1 December 2028

- 3 years, 1 day

Main procurement category

Goods

CPV classifications

- 09123000 - Natural gas
- 24311800 - Carbon
- 39300000 - Miscellaneous equipment
- 42900000 - Miscellaneous general and special-purpose machinery
- 42990000 - Miscellaneous special-purpose machinery
- 51514000 - Installation services of miscellaneous general-purpose machinery

Submission

Tender submission deadline

4 November 2025, 12:00pm

Submission address and any special instructions

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Tenders may be submitted electronically

Yes

Languages that may be used for submission

English

Award decision date (estimated)

1 December 2025

Award criteria

Name	Type	Weighting
Technical	Quality	80%
Price	Price	20%

Other information

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Open procedure

Documents

Associated tender documents

<https://in-tendhost.co.uk/Sheffield>

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Contracting authority

UNIVERSITY OF SHEFFIELD

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Sheffield

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United Kingdom

Contact name: Ghulam Mujtaba

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Website: <https://www.sheffield.ac.uk/>

Region: UKE32 - Sheffield

Organisation type: Public authority - sub-central government