This is a published notice on the Find a Tender service: https://www.find-tender.service.gov.uk/Notice/020578-2021

Not applicable

Hydrogen generation system for semiconductor manufacture

UNIVERSITY OF SHEFFIELD

F14: Notice for changes or additional information
Notice identifier: 2021/S 000-020578
Procurement identifier (OCID): ocds-h6vhtk-02d7bb
Published 23 August 2021, 10:12am

Section I: Contracting authority/entity

I.1) Name and addresses

UNIVERSITY OF SHEFFIELD

Western Bank

SHEFFIELD

S102TN

Contact

David Middle

Email

dave.middle@sheffield.ac.uk

Telephone

+44 1142221560

Country

United Kingdom

NUTS code

UKE32 - Sheffield

Internet address(es)

Main address

https://www.sheffield.ac.uk

Buyer's address

https://in-tendhost.co.uk/sheffield/aspx/Home

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Hydrogen generation system for semiconductor manufacture

Reference number

3060/PIN/DM

II.1.2) Main CPV code

- 39340000 - Gas network equipment

II.1.3) Type of contract

Supplies

II.1.4) Short description

The National Epitaxy Facility (NEF) at the University of Sheffield is a nationally important supplier of semiconductor materials for research and development in Universities and industry across the UK. A reliable supply of high purity hydrogen is key to the work of the NEF and our other research groups in semiconductor production. Our existing PEM-based hydrogen generation system is approaching end of life and a replacement system is required. Our hydrogen supply operates at 30 bar and a peak mass flow rate of approximately 25kg per day, with an average daily consumption of 12kg per day. Our hydrogen system feeds purifiers that ideally require 99.999% purity to minimise maintenance costs and ensure high purity feed to our reactors. We are looking for a replacement hydrogen generator that can meet our existing demand in the existing footprint, with a reliable, sustainable and cost effective technology. Reliability of supply is a key factor, and hence an exemplary after sales service is a must.

Section VI. Complementary information

VI.6) Original notice reference

Notice number: 2021/S 000-020556

Section VII. Changes

VII.1) Information to be changed or added

VII.1.2) Text to be corrected in the original notice

Section number

II.2.4

Read

Text

Added information*

VII.2) Other additional information

*Extra criteria that is required for this solution:

30 bar supply pressure.

Current theoretical maximum consumption: 22.5kg of Hydrogen per day (189slpm).

Average measured consumption: 12kg of Hydrogen per day (100slpm).