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Award

UKRI-5442 Growth of Potassium Di-Deuterium Phosphate (DKDP) Crystal Growth

UK Research & Innovation (UKRI)

UK5: Transparency notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2026/S 000-004912

Procurement identifier (OCID): ocds-h6vhtk-060a2d ([view related notices](#))

Published 20 January 2026, 3:03pm

Scope

Reference

UKRI-5442

Description

UKRI require a growth of 2x DKDP Crystal Boules harvesting of required crystal size for the use of large-aperture Optical Parametric Amplification for the Vulcan 20-20 Project. Potassium Di-Deuterium Phosphate (DKDP) crystals are a critical component of the amplification system for the 20 Petawatt laser that is being built under the Vulcan 20-20 project.

Contract 1. UKRI-5442 Growth of Potassium Di-Deuterium Phosphate (DKDP) crystal growth

Supplier

- Gooch and Housego Ohio

Contract value

- £995,882.25 excluding VAT
- £995,882.25 including VAT

Above the relevant threshold

Earliest date the contract will be signed

2 February 2026

Contract dates (estimated)

- 3 February 2026 to 31 March 2028
- 2 years, 1 month, 26 days

Main procurement category

Goods

CPV classifications

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

Contract locations

- UKJ14 - Oxfordshire
-

Participation

Particular suitability

Small and medium-sized enterprises (SME)

Other information

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Direct award

Direct award justification

Single supplier - technical reasons

There is only one global supplier with the required technical expertise and experience of delivering a large-aperture, high-value and critical component.

Supplier

Gooch and Housego Ohio

- Public Procurement Organisation Number: PCHX-6231-MXGR

LLC 676 Alpha Drive Highland Heights

Ohio

44143-2156

United States

Email: info@gandh.com

Small or medium-sized enterprise (SME): No

Voluntary, community or social enterprise (VCSE): No

Contract 1. UKRI-5442 Growth of Potassium Di-Deuterium Phosphate (DKDP) crystal growth

Contracting authority

UK Research & Innovation (UKRI)

- Public Procurement Organisation Number: PDQJ-7126-JDHG

Polaris House

Swindon, Wiltshire

SN2 1FL

United Kingdom

Contact name: STFC Procurement

Telephone: +441793442000

Email: stfcprocurement@ukri.org

Website: <https://www.ukri.org/>

Region: UKK14 - Swindon

Organisation type: Public authority - central government