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Planning

## **New Cutting Capability**

NATIONAL NUCLEAR LABORATORY LIMITED

F01: Prior information notice

Prior information only

Notice identifier: 2025/S 000-002101

Procurement identifier (OCID): ocds-h6vhtk-04d534

Published 22 January 2025, 8:46am

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

NATIONAL NUCLEAR LABORATORY LIMITED

Central Laboratory

Seascale

CA201PG

#### **Contact**

Sarah Walton

#### **Email**

[sarah.walton@uknnl.com](mailto:sarah.walton@uknnl.com)

#### **Country**

United Kingdom

#### **Region code**

UKD11 - West Cumbria

**Companies House**

03857752

**Internet address(es)**

Main address

<https://uknnl.com/>

**I.3) Communication**

Additional information can be obtained from the above-mentioned address

**I.4) Type of the contracting authority**

Body governed by public law

**I.5) Main activity**

Other activity

Nuclear

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**Section II: Object**

**II.1) Scope of the procurement**

**II.1.1) Title**

New Cutting Capability

Reference number

NNLC547

**II.1.2) Main CPV code**

- 42000000 - Industrial machinery

**II.1.3) Type of contract**

## Supplies

### II.1.4) Short description

United Kingdom National Nuclear Laboratory (UKNNL) intends to purchase three Diamond wire CNC cutting machines which will be situated within caves at UKNNL Windscale Laboratory to produce samples cut from zirconium, hafnium and zirconium composite plates.

As a review of the strategy is undertaken, we are conducting an early market engagement between the following dates: 3rd February & 7th March 2025. To register your interest and receive future updates for this tender, please send an email to [Sarah.Walton@uknnl.com](mailto:Sarah.Walton@uknnl.com) referencing NNLC547 NCC.

### II.1.5) Estimated total value

Value excluding VAT: £800,000

### II.1.6) Information about lots

This contract is divided into lots: No

## II.2) Description

### II.2.2) Additional CPV code(s)

- 42600000 - Machine tools
- 42900000 - Miscellaneous general and special-purpose machinery

### II.2.3) Place of performance

NUTS codes

- UKD - North West (England)

Main site or place of performance

Cumbria

### II.2.4) Description of the procurement

United Kingdom National Nuclear Laboratory (UKNNL) intends to purchase three Diamond wire CNC cutting machines which will be situated within caves at UKNNL Windscale Laboratory to produce samples (ranging from 6 x 6 mm to 60 x 10mm) cut from irradiated austenitic stainless steels, zirconium and hafnium alloys and a

zirconium/hafnium composite with ceramic inclusions. Plate nominal dimensions are 120 x 100mm (LxW) and ranging from 2-10 mm thick.

As the equipment is situated in-cave with no man access possible, any manual operations or maintenance, including the replacement of the diamond wire, will need to be carried out remotely using Master Slave Manipulators (MSM). The machines will be required to cut 500 to 1000 samples over a ten-year period.

The supplier will be required to supply:

- Remotely operated in-cave 2 axis CNC controlled diamond wire saw.
- Out of cave control system including software.
- Set of umbilical cables to connect the in-cave right to the out of cave control system.

The works contract is compiled of the following stages:

- Design stages (Preliminary and Detailed)
- Manufacturing and FAT Testing using inactive surrogate materials provided free issue by UKNNL.

As a review of the strategy is undertaken, we are conducting an early market engagement between the following dates: 3rd February & 7th March 2025. To register your interest and receive future updates for this tender, please send an email to [Sarah.Walton@uknnl.com](mailto:Sarah.Walton@uknnl.com) referencing NNLC547 NCC

### **II.3) Estimated date of publication of contract notice**

4 August 2025

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## **Section IV. Procedure**

### **IV.1) Description**

#### **IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: Yes