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Planning

Provision of Instrument to Determine UF3 and UF4 Ratio in Molten Uranic Fuel Salt Matrices

United Kingdom National Nuclear Laboratory

UK2: Preliminary market engagement notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-067904

Procurement identifier (OCID): ocds-h6vhtk-05d2b2

Published 23 October 2025, 3:30pm

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Scope

Reference

NNLC382

Description

UKNNL is in collaboration with Westinghouse on Springfields Fuels (SFL) site in the development and substantiation of a commercial scale process for the manufacture of fuel salt for the Integral Molten Salt Reactor (IMSR) for a client. As part of the customer requirements, the fuel salt material must be provided to a set specification. UKNNL are seeking support to develop a proven methodology and instrument for measurement of the UF3/UF4 ratio that could then be utilised by UKNNL staff for the purposes of supporting the delivery of the fuel salt product to the client.

Total value (estimated)

- £150,000 excluding VAT
- £180,000 including VAT

Below the relevant threshold

Contract dates (estimated)

- 15 January 2026 to 15 January 2027
- 1 year, 1 day

Main procurement category

Services

Additional procurement category

Goods

CPV classifications

- 09340000 - Nuclear fuels
- 38940000 - Nuclear evaluation instruments
- 42151000 - Nuclear reactors
- 71621000 - Technical analysis or consultancy services

Contract locations

- UK - United Kingdom

- UKD - North West (England)

Engagement

Engagement deadline

7 November 2025

Engagement process description

Please respond by the deadline of 5pm 7th November 2025 by completing and returning the RFI document as per the instructions in the below link. The RFI document and specification are available to download at this address, please sign up to the CTM tendering portal if you have not already: https://uk.eu-supply.com/app/rfq/rwlentrance_s.asp?PID=99345&B=

Participation

Particular suitability

Small and medium-sized enterprises (SME)

Submission

Publication date of tender notice (estimated)

28 November 2025

Contracting authority

United Kingdom National Nuclear Laboratory

- Public Procurement Organisation Number: PVXT-8784-YGNV

Chadwick House, Birchwood Park

Warrington

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United Kingdom

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Region: UKD61 - Warrington

Organisation type: Public authority - sub-central government