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Opportunity

MOx Fuel Line

National Nuclear Laboratory (NNL)

F02: Contract notice

Notice reference: 2022/S 000-019467

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Section I: Contracting authority

I.1) Name and addresses

National Nuclear Laboratory (NNL)

Chadwick House, Warrington Road, Birchwood Park

Warrington

WA3 6AE.

Contact

David Kirkbride

Email

David.kirkbride@uknnl.com

Telephone

+44 1925933793

Country

United Kingdom

NUTS code

UKD61 - Warrington

Internet address(es)

Main address

<https://www.nnl.co.uk/>

Buyer's address

<https://sharedsystems.eu-supply.com/ctm/Company/CompanyInformation/Index/3510>

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

https://sharedsystems.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=15645&B=SELLAFIELD

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

https://sharedsystems.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=15645&B=SELLAFIELD

Tenders or requests to participate must be submitted to the above-mentioned address

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Nuclear Science

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

MOx Fuel Line

Reference number

NNLC123

II.1.2) Main CPV code

- 45351000 - Mechanical engineering installation works

II.1.3) Type of contract

Works

II.1.4) Short description

The current Fuel Line located in National Nuclear Laboratory's (NNL's) Central Laboratory was designed and installed in the mid-2000's in Area 400 to provide research and development (R&D) support to Sellafield Mixed Oxide (MOx) Plant (SMP), which utilised the Short Binderless Route (SBR) for producing MOx. However, the Fuel Line was never fully commissioned and has remained in a state of Care and Maintenance (C&M) since then.

The intent is to re-purpose the above existing fuel line, whilst keeping certain elements embedded within the design.

The scope of the works required is therefore to Design, Install and provide technical support to Commissioning for the Fuel Line for future usage by the NDA

II.1.5) Estimated total value

Value excluding VAT: £30,000,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 09340000 - Nuclear fuels
- 45251110 - Nuclear-power station construction work
- 45300000 - Building installation work
- 71300000 - Engineering services
- 71321000 - Engineering design services for mechanical and electrical installations for buildings
- 71323200 - Plant engineering design services
- 71350000 - Engineering-related scientific and technical services

II.2.3) Place of performance

NUTS codes

- UKD11 - West Cumbria

II.2.4) Description of the procurement

The current Fuel Line located in National Nuclear Laboratory's (NNL's) Central Laboratory was designed and installed in the mid-2000's in Area 400 to provide research and development (R&D) support to Sellafield Mixed Oxide (MOx) Plant (SMP), which utilised the Short Binderless Route (SBR) for producing MOx. However, the Fuel Line was never fully commissioned and has remained in a state of Care and Maintenance (C&M) since then.

Nuclear Decommissioning Authority (NDA) is responsible for the current civil plutonium stockpile. It is currently considering options for plutonium disposition including reusing the material within new MOx fuel (