This is a published notice on the Find a Tender service: <u>https://www.find-tender.service.gov.uk/Notice/031619-2025</u>

#### Tender

# The provisions for services to collect, transport, store and process existing High Activity Sealed Radioactive Sources (SRS) using a pre-determined disposal route.

Nuclear Decommissioning Authority

UK4: Tender notice - Procurement Act 2023 - <u>view information about notice types</u> Notice identifier: 2025/S 000-031619 Procurement identifier (OCID): ocds-h6vhtk-04ea87 (<u>view related notices</u>) Published 11 June 2025, 3:46pm

This is an old version of this notice. <u>View the latest version</u>.

# Scope

## Description

The Home Office have established a programme for the replacement and disposal of Caesium-137 High Activity Sealed Sources (HASS), used in the medical and research industries, as part of a strategy to reduce the likelihood of a terrorist using high risk radiological materials in the UK. The Nuclear Decommissioning Authority (NDA) has been instructed by the Department of Energy Security & Net-Zero (DESNZ) to support the Home Office-led initiative by providing support and expertise knowledge for the collection of the HASS and managing the HASS through a suitable waste management route. The Miscellaneous Beta Gamma Waste Store (MBGWS) at Sellafield is the current waste management route for sealed sources in the UK. The programme is voluntary, meaning owners of Cs-137 sources (End-Users) within scope can apply to participate in the scheme to dispose of their sources and receive a grant for replacing with safer technologies. The programme will be delivered in phases as End-Users make their sources available for disposal. The NDA, with their trusted partner Nuclear Transport Solutions (NTS), is leading on the procurement and delivery of the first phase of this

programme. This first phase of the programme will act as a pathfinder and lessons learned will be fundamental for the future success of the programme. The NDA are looking for a supplier, or consortium of suppliers, to deliver the first phase of this programme. The high-level scope of this procurement includes: • Number of Irradiator Units - 6 with the option to add a further 3 Irradiator Units • Number of Cs-137 sources -12 sources in the 6 original Irradiator Units with 2 sources per Irradiator Unit, potential for a further 6 sources in the optional 3 Irradiator Units • Geographical area - United Kingdom Models of Irradiator Units - Gammacell 
3000 and IBL 437 • Supplier to collect, transport, store and process the Irradiator Unit(s), ), in the UK or abroad, to remove the Cs-137 sources. • Pack the Cs-137 sources into the disposable liner and 1648C transport package for return to Sellafield MBGWS. The 1648C transport package is an NDA Group asset that is currently in the process of being licenced as a Type B(M) transport package, led by Nuclear Transport Solutions (NTS). The 1648C is widely and regularly received and managed at MBGWS at Sellafield. The proposed scope is likely to be broadly split into two delivery phases: Phase 1 • The Supplier is to complete all pre-collection activities to prepare the Irradiator Unit(s) for collection from the End-User premises including, but not limited to, obtaining all required permits and licences, coordinating on logistics and schedules and putting in place all health and safety requirements etc. • The Supplier is to dismantle the Irradiator Unit(s) and package the Irradiator Unit(s) for transport to the Supplier premises (in the UK or abroad) ensuring it has the required consents and permits to transport . • The Supplier will ensure they have all required permits and capacity to store the sources for up to 36 months on the Supplier premises in either the Irradiator Units or a suitable liner. • The Supplier will process the Irradiator Unit(s) to remove the Cs-137 sources and place into the appropriate liner. • Additionally, the Supplier premises will have the capability, or agree to develop the capability, to handle and interface with the 1648C and its accompanying liner once it has been licenced enabling the sources to be packed into the disposable liner for return to Sellafield. • The Supplier will pack the sources into the disposable liner and the 1648C transport package, when available. After completion of Phase 1, the Authority will have the option to exercise a break clause within the proposed contract should the Supplier not be required for return of the sources. In the event that the Supplier is not required for return of the sources, the Supplier commits to support the Authority in preparing the sources for return via an alternative route to be determined. Phase 2 • The Supplier will collect the 1648C transport packages and disposable liners from the UK and transport to the Supplier premises ready for return of the sources. • The Supplier will then load the sources into the disposable liner and subsequently the 1648C transport packages, onto the universal transport frame (UTF), and transport the sources back to the UK, directly to Sellafield. Please be advised that participation in this procurement process is subject to national security considerations. Suppliers may be excluded if their proposal is deemed to pose a risk to national security.

- £4,500,000 excluding VAT
- £5,400,000 including VAT

Above the relevant threshold

#### **Contract dates (estimated)**

- 1 September 2025 to 31 August 2028
- Possible extension to 30 August 2029
- 3 years, 11 months, 30 days

Description of possible extension:

option for 1 year extension upon instruction from the authority

## Options

The right to additional purchases while the contract is valid.

3 years + 1 year (total 4 years if option taken)

#### Main procurement category

Services

## **CPV classifications**

- 90521100 Collection of radioactive waste
- 90521300 Disposal of radioactive waste

- 90521200 Radioactive waste storage services
- 90521400 Transport of radioactive waste

#### **Contract locations**

• UK - United Kingdom

## **Participation**

### **Particular suitability**

Small and medium-sized enterprises (SME)

## Submission

## **Enquiry deadline**

16 July 2025, 12:00pm

#### Tender submission deadline

16 July 2025, 12:00pm

#### Submission address and any special instructions

All communication and tender submissions should be submitted via the Atamis Supplier Portal - <u>https://atamis-2464.my.site.com/ProSpend\_CustomCommunitiesLogin</u>

## Tenders may be submitted electronically

Yes

## Languages that may be used for submission

English

## Award decision date (estimated)

29 July 2025

# Award criteria

Name	Description	Туре	Weighting
C1. Price	Provide a complete breakdown of costs fo 6 Irradiator Units ALL PRICES SHOULD BE COSTED FOR A TOTAL FIXED PRICE FOR PHASES 1 AND 2 FOR THE DURATION OF THE CONTRACT. PRICES SHOULD EXCLUDE VAT. A schedule of rates with breakdown of labour must also be provided and the schedule of rates should align to the tota cost of labour supplied in the pricing schedule Please note the assessment of Price is conducted against the Fixed Price for Phases 1 and 2.	Price r al d 2.	25.00%

Name	Description	Туре	Weighting
	phase. • Please provide a detailed plan which explains a structured approach from the first Irradiator Unit collection to the packing of the radioactive sources in the disposable liner in readiness to return to Sellafield, covering all key milestones and tasks, and demonstrating the achievement of the high-level success criteria. • Please showcase how, by following this plan, you can effectively and successfully manage the transition from planning to execution and then to completion of Phase 1 and Phase 2. Proposals should be supported by evidence and past performance where applicable.		
T1.a Technical capabilities and delivery methodology	T1a. • Equipment and technology: Demonstrate a clear understanding and knowledge of the technical elements and operational challenges and articulate how you intend to overcome these by describing the facility, equipment, and technology that will be used to deliver the Services. Highlight how your technology and	Quality	10.00%

name	Description	Туре	Weighting
	equipment are suited		
	for: o dismantling and		
	transporting Irradiator		
	Units o safely removing	)	
	the HASS o interfacing		
	with the return		
	transport package o		
	packaging, and		
	transporting radioactive	)	
	material Explain how		
	you will ensure that the	1	
	technical equipment		
	and infrastructure		
	needed is or will be		
	available for the		
	execution of the		
	Contract (incl. transpor	t	
	package for		
	transporting Irradiator		
	Units, interfacing with		
	the 1648C transport		
	package and		
	disposable liner):		
	clearly articulate		
	operational and		
	Services provision		
	requirements (all		
	Instrumentation and		
	equipment, transport,		
	to fulfil these while		
	to runni those wrine		
	Monov		

Name	Description	Туре	Weighting
T1.b Technical	T1b. • Methodology:	Quality	10.00%
capabilities and	provide a detailed		
delivery methodology	methodology (including	l	
	mode of transport,		
	interim storage		
	locations and		
	durations,		
	storage/processing		
	strategy, and storage		
	form etc.) for delivering		
	the Services efficiently.		
	Include a description of	F	
	the quality control		
	system applied to the		
	Service(s) concerning		
	the quality of the		
	deliverables (e.g.,		
	Quality Plans), relevant	t	
	Work plan, Health and		
	Safety plan, Site-		
	specific safety plan,		
	and route plan. Also		
	include information		
	about contingency		
	planning (e.g., aborted		
	collections, transport		
	contingencies such as		
	alternative transport		
	and security		
	arrangements;		
	technical contingencies	5	
	such as backup		
	systems for equipment		
	lailure, imanciai		
	insurance: logistical		
	contingoncios for		
	custome and border		
	control and		
	coordination with local		
	authorities: etc.)		
TA Structure and	Project management	Quality	10 00%
Organisation of Work	risk register, planning 8		10.00 /0

Name	Description	Туре	Weighting	
	facility capacity Your			
	response should			
	contain the following:	•		
	A risk register			
	containing thoroughly			
	documented and			
	clearly defined risks			
	with proposed			
	mitigations and an			
	opportunity register.			
	Both risk and			
	opportunities should b	be		
	ranked in order of			
	importance. • Explain	1		
	in writing, how your			
	future workload will no	ot		
	pose any issues			
	relating to delivery of			
	Services, particularly	in		
	light of the requirement	nt		
	to interim store HASS			
	at your premises as s	et		
	out in the Services			
	Specification (Append	lix		
	9). • Explain the proje	ct		
	and Services delivery			
	methodology which w	ill		
	be applied to plan,			
	monitor, and control			
	the execution of			
	required activities to			
	undertake Services			
	delivery. Your			
	response should also			
	clearly identify your			
	plans for integration			
	and communication			
	with the End-Users ar	nd		
	the Authority (and sub	)-		
	contractors where			
	applicable). You shou	ld		
	also explain how you			
	will measure and repo	ort		
	performance against			
	progress.			

Name	Description	Туре	Weighting
Name T5. Social Value	Description Social Impact: Fighting Climate Change What will your organisation do specifically for this Service? • How will you do this? • How will this be monitored and measured on a quarterly basis? • Bidders should demonstrate how they deliver environmental benefits in the performance of the Contract and should include how they are working towards net zero greenhouse gas emissions, e.g. this will be particularly relevant to the service(s)element that involves transportation. • Bidders should also note how they influence staff, suppliers, customers and stakeholders throughout the delivery of the contract to support environmental protection and improvement. • The Bidders should also demonstrate how they manage and achieve reduction in waste, e.g. following device size reduction, active and non-active elements will have to be separated, and where possible recycled. •	Quality	Weighting 10.00%
	possible recycled. • KPI's and MI will then		
	be set to evidence this		

Name	Description	Туре	Weighting	
	throughout the duration of the contract.	1		
T2.a Company Profile, allocated Team and Experience	(Org. and staff qualifications, knowledge and understanding of security protocols, OBS and CVs, LFE use) Demonstrate that the organisation (incl. sub- contractors) have the necessary Consents and Approvals, and personnel have the, required skills and experience, for the activities described in the Services Specification across the areas of radioactive material and Irradiator Unit transportation, waste management, and HASS handling, management, storage, and source transport: T2a. • Referring to the methodology to be deployed, please demonstrate your understanding of Consents and Approvals required to deliver the Services (especially those related to safety, security and the import export/handling/storage /transport of radioactive materials). This also includes the organisation's quality management, safety	Quality S ( e	5.00%	

Name	Description	Туре	We	ighting
	and security protocols			
	for handling			
	HASS/radioactive			
	material, including any			
	emergency response			
	plans, staff training			
	programs, and specific			
	measures to ensure			
	secure transportation.			

T2.b Company Profile,   (Org. and staff   Quality   5.00%     allocated Team and   qualifications,   Knowledge and   understanding of     Experience   certifications,   Knowledge and   understanding of     and CVs, LFE use)   Demonstrate that the   organisation (incl. sub-     contractors) have the   necessary Consents   and Approvals, and     personnel have the,   required skills and   experience, for the     activities described in   the areas of radioactive   material and Irradiator     Unit transportation,   waste management,   and HASS handling,     management,   and Source transport   T2b. • Please provide     a clearly defined   Organisational   Breakdown Structure     which includes pen   pictures/CVs that are   tailored, demonstrate     value and expertise   which are relevant to   the Services     Specification, and   identify the delivery   Team's experience	Name	Description	Туре	Weighting
	Name T2.b Company Profile, allocated Team and Experience	Description (Org. and staff qualifications, certifications, knowledge and understanding of security protocols, OBS and CVs, LFE use) Demonstrate that the organisation (incl. sub- contractors) have the necessary Consents and Approvals, and personnel have the, required skills and experience, for the activities described in the Services Specification across the areas of radioactive material and Irradiator Unit transportation, waste management, and HASS handling, management, storage, and source transport T2b. • Please provide a clearly defined Organisational Breakdown Structure which includes pen pictures/CVs that are tailored, demonstrate value and expertise which are relevant to the Services Specification, and identify the delivery Team's experience within these areas.	Quality	Weighting 5.00%

Name	Description	Туре	Weighting
T2.c Company Profile, allocated Team and Experience	T2c. • Please explain and demonstrate your capability in terms of how additional Learning from Experience (LFE) and previous expertise will be utilised to maximise successful and timely delivery of the Services. T2c. • Please explain and demonstrate your capability in terms of how additional Learning from Experience (LFE) and previous expertise will be utilised to maximise successful and timely delivery of the Services.	Quality	5.00%

# Other information

Conflicts assessment prepared/revised

Yes

# Procedure

## Procedure type

Open procedure

# **Contracting authority**

## **Nuclear Decommissioning Authority**

• Public Procurement Organisation Number: PVDH-2346-PXDL

Herdus House Westlakes Science and Technology Park Moor Row

Cumbria

CA24 3HU

United Kingdom

Contact name: Madeline Jones

Telephone: 01925 802875

Email: <u>madeline.jones@nda.gov.uk</u>

Website:

https://www.gov.uk/government/organisations/nuclear-decommissioning-authority

Region: UKD11 - West Cumbria

Organisation type: Public authority - central government