Request for Information (RFI) – Procurement of an X-Ray Irradiator for the UKHSA (United Kingdom Health Security Agency)

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| Supplier Name |  |
| Contact Name |  |
| Contact Email Address |  |
| Contact Tel Number |  |

**Instructions:**

UKHSA is seeking to appoint a provider for the provision of an X-Ray Irradiator and supporting services. The irradiator is required for the Diagnostic, Pathogenesis and Characterisation division at Porton.

The X-ray irradiator service at Porton is the sole UK Sovereign Capability for high containment pathogen inactivation. This service provides irradiated pathogens to research establishments, other UK government facilities and associated healthcare-based settings, this is vital to both research and outbreak response across the UK. An irradiator is required as a backup for the existing irradiators, both for contingency and to increase output.

Please review the specification outlined in this Request for Information (RFI) and provide responses to the questions and requirements mentioned. Your input will help shape UKHSA's sourcing strategy for this procurement.

Should you have any questions or queries relating to this RFI, please contract:

[Science.Tendering@ukhsa.gov.uk](mailto:Science.Tendering@ukhsa.gov.uk) Subject: X-Ray Irradiator

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| RESPONSE DEADLINE | **27/09/2024 12:00** |

If a response is not received by the RFI response deadline, it will have no impact on your ability to participate in the procurement process in the future. UKHSA will not enter into contracts based on replies to this RFI.

This RFI is for information-gathering purposes and does not constitute a commitment, implied or otherwise, that the UKHSA will take procurement action in this matter. Further, the UKHSA will not be responsible for any costs incurred in the preparation and submission of the response.

**Description of Scope of Requirements:**

UKHSA is seeking to appoint a provider for the provision of an X-Ray Irradiator and supporting services. The irradiator is required for the Diagnostic, Pathogenesis and Characterisation division at Porton.

The supplier will be responsible for the entire lifecycle of the equipment, including delivering, installing, and commissioning of the irradiator at the Porton laboratory.

The supplier must also offer after-sales services, including maintenance, repair, warranty, troubleshooting and support, decommissioning, and disposal to ensure continued operational delivery throughout the contract term.

**Technical Requirements:**

The x-ray irradiator must meet the following mandatory technical requirements:

* Must be a self-contained x-ray irradiator
* Must have external dimensions no greater than H2000mmxW1100mmxD1000mm
* Must have single phase power
* Must be an off the shelf design with known performance, not a bespoke or developmental design.
* Must be capable of delivering high dose x-ray to achieve required throughput of pathogen inactivation (above 100 Gy/minute required as some pathogens take up to 35 kGy to inactivate).
* Must have durability/longevity worked into system design.
* Must have capacity for introduction of external probes, cameras etc.
* Must have capacity for sample rotation to allow for sample mixing and homogeneity of irradiation dose
* Must have programmable exposure time
* Must have variable x-ray filtration options
* Must have programmable shelf height/x-ray beam irradiation area
* Must be repairable/have capacity to replace X-ray tubes
* The shelf used for irradiation must be capable of supporting 4.5 kg minimum.

**Regulatory Requirements:**

* The supplier must comply with ISO9001 (Quality Management) and ISO 2230 (Business Continuity) standards throughout the contract term. Additionally, adherence to relevant health and safety guidelines to prevent injury is required.

**Questions:**

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| UKHSA Question | Supplier Response | |
| Please confirm whether your organisation would have an interest in bidding for the procurement of the x-ray irradiator for UKHSA | YES | NO |
| If no, please explain why? |  | |
| Please provide details of your x-ray irradiator, including its technical specifications and capabilities. Ensure that it meets the mandatory requirements mentioned in the specification. | [Insert response here of attach a PDF product specification to your submission] | |
| Please confirm whether your organisation would have an interest in providing the required services, including delivery, installation, commissioning, and after-sales support, decommissioning, and disposal. | YES | NO |
| If no, please explain why? |  | |
| Please provide information about any associated services and maintenance plans. | [Insert response here of attach a PDF product specification to your submission] | |
| Based on the specified dimensions and technical requirements, please confirm the expected delivery timeline for the x-ray irradiator to the Porton. | [Supplier's response] | |
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We kindly request that you submit your responses to the above questions and requirements by the RFI response deadline mentioned.