



Frazer-Nash Consultancy Ltd

*Hill Park Court
Springfield Drive
Leatherhead
Surrey
KT22 7NL*

Attn: (b) (1) (A),
FOIA Section
By email to: (b) (1) (A), FOIA
Section 40 Personal

Date: 14th September 2022

Our ref: UKRI-2287

Dear Sirs,

Award of contract for the supply of Environmental Impact Evaluation Study of ISIS Neutron and Muon Source

Following your tender/ proposal for the supply of Environmental Impact Evaluation Study of ISIS Neutron and Muon Source to UKRI, we are pleased to award this contract to you.

This letter (Award Letter) and its Schedule(s) set out the terms of the Contract between:

- (1) **United Kingdom Research and Innovation**, a statutory corporation whose registered office is at Polaris House, North Star Avenue, Swindon, England, SN2 1FL ("**UKRI**"); and
- (2) **Frazer-Nash Consultancy Ltd**, a company incorporated and registered in United Kingdom with company number 764367660 whose address is Hill Park Court, Springfield Drive, Leatherhead, Surrey, KT22 7NL (the "**Supplier**").

Unless the context otherwise requires, capitalised expressions used in this Award Letter have the same meanings as in the terms and conditions of contract set out in Schedule 1 to this Award Letter (the "**Conditions**"). In the event of any conflict between this Award Letter and the Conditions, this Award Letter shall prevail. Please do not attach any Supplier terms and conditions to this Award Letter as they will not be accepted by UKRI and may delay conclusion of the Contract.

For the purposes of the Contract, UKRI and the Supplier agree as follows:

Term

- 1 Commencement Date: 19th September 2022
- 2 Expiry Date: 18th September 2023

Description of Goods and/or Services

- 3 The Specification of the Goods and/or Services to be delivered is as set out in Schedule 2

4 The Services shall be performed at;
UK Research and Innovation- Science and Technology Facilities Council
Rutherford Appleton Laboratory
Harwell Campus
Didcot
OX11 0QX
United Kingdom

Charges & Payment

- 5 The Charges for the Goods and/or Services shall be as set out in Schedule 3
- 6 All invoices should be sent, quoting a valid purchase order number (PO Number) provided by UKRI, to: finance@uksbs.co.uk
- 7 To avoid delay in payment it is important that the invoice is compliant and that it includes a valid PO Number, PO Number item number (if applicable) and the details (name and telephone number) of your UKRI contact (i.e. Contract Manager). Non-compliant invoices will be sent back to you, which may lead to a delay in payment. If you have a query regarding an outstanding payment please contact our Accounts Payable section either by email to finance@uksbs.co.uk or by telephone 01793 867000 between 09:00-17:00 Monday to Friday.

Supplier's Limit of Liability

- 8 The Limit of Liability of the Supplier under this Contract shall be: 125% of the total Charges paid and payable to the Supplier under this Contract.

Notices

- 9 The address for notices of the Parties are:

UKRI

Polaris House, North Star Avenue,
Swindon, England, SN2 1FL
Attention: (b) (1) (A),
Email: (b) (1) (A), FOIA
S ti 40 P I

Supplier

Frazer-Nash Consultancy Ltd
Hill Park Court, Springfield Drive,
Leatherhead, Surrey. KT22 7NL
Attention: (b) (1) (A),
Email: (b) (1) (A), FOIA
S ti 40

Liaison

- 10 For general liaison your contact will continue to be (b) (1) (A), FOIA Section 40 (b) (1) (A), FOIA Section 40
P I I f ti

We thank you for your co-operation to date, and look forward to forging a successful working relationship resulting in a smooth and successful supply of the Goods and/or Services. Please

confirm your acceptance of the award of this contract by signing and returning the enclosed copy of this letter to (b) (1) (A), FOIA Section 40 Personal will be accepted. Please remember to quote the reference number above in any future communications relating to this contract.

Yours faithfully,

Signed for and on behalf of **United Kingdom Research and Innovation**

Signature: (b) (1) (A), FOIA Section 40 Personal Information

Name: (b) (1) (A), FOIA Section

Position: Procurement Officer

Date: 29/09/2022

We accept the terms set out in this Award Letter and the Schedule(s).

Signed for and on behalf of **Frazer-Nash Consultancy Ltd**

Signature: (b) (1) (A), FOIA Section 40 Personal Information

Name: (b) (1) (A), FOIA Section 40 Personal

Position: Senior Business Manager - Government

Date: 27/09/2022

Terms and Conditions of Contract for Goods and/or Services

1 INTERPRETATION

1.1 In these terms and conditions:

- "Award Letter" means the letter from UKRI to the Supplier printed above these terms and conditions;
- "Central Government Body" means a body listed in one of the following sub-categories of the Central Government classification of the Public Sector Classification Guide, as published and amended from time to time by the Office for National Statistics:
- (a) Government Department;
 - (b) Non-Departmental Public Body or Assembly Sponsored Public Body (advisory, executive, or tribunal);
 - (c) Non-Ministerial Department; or
 - (d) Executive Agency;
- "Charges" means the charges for the Goods and/or Services as specified in the Award Letter;
- "Commencement Date" means the date for the start of the Contract as set out in the Award Letter;
- "Confidential Information" means:
- (a) all confidential information and data which is acquired from or made available (directly or indirectly) by the Disclosing Party or the Disclosing Party's representatives however conveyed or presented, including but not limited to any information or document relating to the Disclosing Party's business, affairs, operations, budgets, policies, processes, initiatives, plans, product information, pricing information, technical or commercial know-how, trade secrets, specifications, strategies, inventions, designs, software, market opportunities, personnel, customers or suppliers (whether relating to this Contract or otherwise) either orally, in writing, or in whatever form obtained or maintained;
 - (b) any information or analysis derived from the Confidential Information;
 - (c) anything marked as confidential and any other information notified by or on behalf of the Disclosing Party to the Receiving Party as being confidential;
 - (d) the existence and terms of this Contract and of any subsequent agreement entered into in relation to this Contract;
 - (e) the fact that discussions and negotiations are taking place concerning this Contract and the status of those discussions and negotiations; and
 - (f) any copy of any of the information described in (a), (b), (c), (d) or (e) above, which shall be deemed to become Confidential Information when it is made. For the purposes of this definition, a copy shall include, without limitation, any notes or recordings of the information described in (a), (b), (c), (d) or (e) above (howsoever made);
- "Contract" means the contract between (i) UKRI and (ii) the Supplier constituted by the Supplier's

countersignature of the Award Letter and includes the Award Letter and Schedules;

"Data Protection Legislation"	means, for the periods for which they are in force, all laws giving effect or purporting to give effect to the GDPR, the Data Protection Act 2018, or otherwise relating to data protection, including the Regulation of Investigatory Powers Act 2000, the Telecommunications (Lawful Business Practice) (Interception of Communications) Regulations 2000 (SI 2000/2699), the Electronic Communications Data Protection Directive (2002/58/EC), the Privacy and Electronic Communications (EC Directive) Regulations 2003 (SI 2426/2003) and all applicable laws and regulations relating to the processing of personal data and privacy, including where applicable the guidance and codes of practice issued by the Information Commissioner, in each case as amended or substituted from time to time;
"Data Subject"	shall have the same meaning as in the Data Protection Legislation;
"Date of Delivery"	means that date by which the Goods must be Delivered to UKRI, as specified in the Award Letter.
"Deliver"	means hand over the Goods to UKRI at the address and on the date specified in the Award Letter, which shall include unloading and any other specific arrangements agreed in accordance with Clause 6. Delivered and Delivery shall be construed accordingly.
"Disclosing Party"	means a Party that makes a disclosure of Confidential Information to another Party;
"EIR"	means the Environmental Information Regulations 2004 (or if applicable the Environmental Information Regulations (Scotland) 2004);
"Expiry Date"	means the date for expiry of the Contract as set out in the Award Letter;
"FOIA"	means the Freedom of Information Act 2000 (or if applicable the Freedom of Information (Scotland) Act 2002);
"GDPR"	means: <ul style="list-style-type: none">(a) the General Data Protection Regulations (Regulation (EU) 2016/679); or(b) any equivalent legislation amending or replacing the General Data Protection Regulations (Regulation (EU) 2016/679);
"Good Industry Practice"	means all relevant practices and professional standards that would be expected of a well-managed, expert service provider performing services substantially similar to the Services or substantially similar to the Goods provided to customers of a substantially similar size and nature as UKRI;
"Goods"	means the goods to be supplied by the Supplier to UKRI under the Contract;
"Information"	has the meaning given under section 84 of the FOIA;
"Intellectual Property Rights"	means: <ul style="list-style-type: none">(a) copyright, rights related to or affording protection similar to copyright, rights in databases, patents and rights in inventions, semi-conductor topography rights, trade marks, rights in Internet domain names and website addresses and other rights in trade names, designs, know-how, trade secrets and other rights in Confidential Information;

- (b) applications for registration, and the right to apply for registration, for any of the rights listed at (a) that are capable of being registered in any country or jurisdiction; and
 - (c) all other rights having equivalent or similar effect in any country or jurisdiction;
- "Limit of Liability" means the limit of liability identified in the Award Letter;
- "Party" the Supplier or UKRI (as appropriate) and "Parties" shall mean both of them;
- "Personal Data" means the personal data (as defined in the Data Protection Legislation) which relates to or originates from UKRI, or any of UKRI's employees, contractors or customers and which is processed by or on behalf of the Supplier under this Contract;
- "Personal Data Breach" shall have the meaning given in the Data Protection Legislation;
- "Purchase Order Number" means UKRI's unique number relating to the order for Goods and/or Services to be supplied by the Supplier to UKRI in accordance with the terms of the Contract;
- "Receiving Party" means a Party to which a disclosure of Confidential Information is made by another Party;
- "Request for Information" has the meaning set out in the FOIA or the EIR as relevant (where the meaning set out for the term "request" shall apply);
- "Services" means the services to be supplied by the Supplier to UKRI under the Contract;
- "Specification" means the specification for the Goods and/or Services to be supplied by the Supplier to UKRI (including as to quantity, description and quality) as specified in the Award Letter;
- "Staff" means all directors, officers, employees, agents, consultants and contractors of the Supplier and/or of any sub-contractor of the Supplier engaged in the performance of the Supplier's obligations under the Contract;
- "Staff Vetting Procedures" means vetting procedures that accord with good industry practice or, where requested by UKRI, UKRI's procedures for the vetting of personnel as provided to the Supplier from time to time;
- "Term" means the period from the Commencement Date to the Expiry Date as such period may be extended or terminated in accordance with the terms and conditions of the Contract;
- "TUPE" means the Transfer of Undertakings (Protection of Employment) Regulations 2006 as amended or replaced from time to time;
- "VAT" means value added tax in accordance with the provisions of the Value Added Tax Act 1994; and
- "Working Day" means a day (other than a Saturday, Sunday, public holiday or 27, 28, 29, 30 and 31 December) when banks in London are open for business.

1.2 In these terms and conditions, unless the context otherwise requires:

- (a) references to numbered clauses are references to the relevant clause in these terms and conditions;
- (b) any obligation on any Party not to do or omit to do anything shall include an obligation not to allow that thing to be done or omitted to be done;

- (c) the headings to the clauses of these terms and conditions are for information only and do not affect the interpretation of the Contract;
- (d) any reference to an enactment includes reference to that enactment as amended or replaced from time to time and to any subordinate legislation or byelaw made under that enactment; and
- (e) the word 'including' shall be understood as meaning 'including without limitation'.

2 **BASIS OF CONTRACT**

- 2.1 The Award Letter constitutes an offer by UKRI to purchase the Goods and/or Services subject to and in accordance with the terms and conditions of the Contract.
- 2.2 The offer comprised in the Award Letter shall be deemed to be accepted by the Supplier on receipt by UKRI of a copy of the Award Letter countersigned by the Supplier.

3 **SUPPLY OF GOODS AND SERVICES**

- 3.1 In consideration of UKRI's agreement to pay the Charges, the Supplier shall supply the Goods and/or Services to UKRI subject to and in accordance with the terms and conditions of the Contract.
- 3.2 In supplying the Goods and/or Services, the Supplier shall:
 - (a) co-operate with UKRI in all matters relating to the supply of Goods and/or Services and comply with all UKRI's instructions; and
 - (b) comply with all applicable laws.
- 3.3 The Supplier shall supply the Goods in accordance with the Specification. The Supplier warrants, represents, undertakes and guarantees that the Goods supplied under the Contract shall:
 - (a) be free from defects (manifest or latent), in materials and workmanship and remain so for 12 months after Delivery;
 - (b) be of satisfactory quality (within the meaning of the Sale of Goods Act 1979) and comply with any applicable statutory and regulatory requirements relating to the manufacture, labelling, packaging, storage, handling and delivery of the Goods;
 - (c) conform with the specifications (including the Specification), drawings, descriptions given in quotations, estimates, brochures, sales, marketing and technical literature or material (in whatever format made available by the Supplier) supplied by, or on behalf of, the Supplier;
 - (d) be free from design defects; and
 - (e) be fit for any purpose held out by the Supplier or made known to the Supplier by UKRI expressly or by implication, and in this respect UKRI relies on the Supplier's skill and judgement. The Supplier acknowledges and agrees that the approval by UKRI of any designs provided by the Supplier shall not relieve the Supplier of any of its obligations under this clause 3.3.
- 3.4 In supplying the Services, the Supplier shall:
 - (a) perform the Services with all reasonable care, skill and diligence in accordance with good industry practice in the Supplier's industry, profession or trade;

- (b) use Staff who are suitably skilled and experienced to perform tasks assigned to them, and in sufficient number to ensure that the Supplier's obligations are fulfilled in accordance with the Contract;
- (c) ensure that the Services shall conform with all descriptions and specifications set out in the Specification;
- (d) not do or allow anything to be done that would, or would be likely to, bring UKRI into disrepute or adversely affect its reputation in any way; and
- (e) provide all equipment, tools and vehicles and other items as are required to provide the Services.

4 **TERM**

- 4.1 The Contract shall take effect on the date specified in the Award Letter and shall expire on the Expiry Date, unless it is otherwise extended in accordance with the provisions of the Award Letter or terminated early in accordance with the terms and conditions of the Contract.

5 **CHARGES, PAYMENT AND RECOVERY OF SUMS DUE**

- 5.1 The Charges for the Goods and/or Services shall be as set out in the Award Letter and shall be the full and exclusive remuneration of the Supplier in respect of the supply of the Goods and/or Services. Unless otherwise agreed in writing by UKRI, the Charges shall include every cost and expense of the Supplier directly or indirectly incurred in connection with the supply of the Goods and/or performance of the Service.
- 5.2 All amounts stated are exclusive of VAT which shall be charged at the prevailing rate. UKRI shall, following the receipt of a valid VAT invoice, pay to the Supplier a sum equal to the VAT chargeable in respect of the Goods and/or Services.
- 5.3 The Supplier shall invoice UKRI as specified in the Contract. Each invoice shall include such supporting information required by UKRI to verify the accuracy of the invoice, including the relevant Purchase Order Number and a breakdown of the Goods and/or Services supplied in the invoice period.
- 5.4 In consideration of the supply of the Goods and/or Services by the Supplier, UKRI shall pay the Supplier the invoiced amounts no later than 30 days after verifying that the invoice is valid and undisputed and includes a valid Purchase Order Number. UKRI may, without prejudice to any other rights and remedies under the Contract, withhold or reduce payments in the event of unsatisfactory performance.
- 5.5 If UKRI fails to consider and verify an invoice in a timely fashion the invoice shall be regarded as valid and undisputed for the purpose of clause 5.4 after a reasonable time has passed (which shall be no less than 14 calendar days).
- 5.6 If there is a dispute between the Parties as to the amount invoiced, UKRI may reject the invoice in its entirety. The Supplier shall not suspend the supply of the Goods and/or Services unless the Supplier is entitled to terminate the Contract for a failure to pay undisputed sums in accordance with clause 18.5. Any disputed amounts shall be resolved through the dispute resolution procedure detailed in clause 21.
- 5.7 Where the Supplier enters into a sub-contract, the Supplier shall include in that sub-contract:
 - (a) provisions having the same effects as clauses 5.3 to 5.6 (inclusive) of this Contract; and

- (b) a provision requiring the counterparty to that sub-contract to include in any sub-contract which it awards provisions having the same effects as clauses 5.3 to 5.7 (inclusive) of this Contract.
 - (c) In this clause 5.7, "sub-contract" means a contract between two or more suppliers, at any stage of remoteness from UKRI in a subcontracting chain, made wholly or substantially for the purpose of performing (or contributing to the performance of) the whole or any part of this Contract.
- 5.8 If any sum of money is recoverable from or payable by the Supplier under the Contract (including any sum which the Supplier is liable to pay to UKRI in respect of any breach of the Contract), that sum may be deducted unilaterally by UKRI from any sum then due, or which may come due, to the Supplier under the Contract or under any other agreement or contract with UKRI. The Supplier shall not be entitled to assert any credit, set-off or counterclaim against UKRI in order to justify withholding payment of any such amount in whole or in part.

6 DELIVERY

- 6.1 The Supplier shall Deliver the Goods to UKRI on or by the Date of Delivery. Unless otherwise agreed in writing by UKRI, Delivery shall be on the date and to the address specified in the Award Letter. Delivery of the Goods shall be completed once the completion of unloading the Goods from the transporting vehicle at the Delivery address has taken place and UKRI has signed for the Delivery.
- 6.2 Any access to UKRI's premises and any labour and equipment that may be provided by UKRI in connection with Delivery of the Goods shall be provided without acceptance by UKRI of any liability in respect of any actions, claims, costs and expenses incurred by third parties for any loss or damages to the extent that such loss or damage is not attributable to the negligence or other wrongful act of UKRI or its servant or agent. The Supplier shall indemnify UKRI in respect of any actions, suits, claims, demands, losses, charges, costs and expenses, which UKRI may suffer or incur as a result of or in connection with any damage or injury (whether fatal or otherwise) occurring in the course of Delivery or installation to the extent that any such damage or injury is attributable to any act or omission of the Supplier or any of his sub-Suppliers.
- 6.3 Delivery of the Goods shall be accompanied by a delivery note which shows the Purchase Order Number and the type and quantity of the Goods and, in the case of part Delivery, the outstanding balance remaining to be Delivered.
- 6.4 Unless otherwise stipulated by UKRI in the Award Letter, Deliveries shall only be accepted by UKRI on Working Days and during normal business hours.
- 6.5 Where (i) the Supplier fails to Deliver the Goods or part of the Goods or (ii) the Goods or part of the Goods do not comply with the provisions of clause 3, then without limiting any of its other rights or remedies implied by statute or common law, UKRI shall be entitled:
- (a) to terminate the Contract;
 - (b) to require the Supplier, free of charge, to deliver substitute Goods within the timescales specified by UKRI;
 - (c) to require the Supplier, free of charge, to repair or replace the rejected Goods, or to provide a full refund of the Charges of the rejected Goods (if paid);
 - (d) to reject the Goods (in whole or part) and return them to the Supplier at the Supplier's own risk and expense and UKRI shall be entitled to a full refund on those Goods or part of Goods duly returned;

- (e) to buy the same or similar Goods from another supplier; and
- (f) to recover any expenses incurred in respect of buying the goods from another supplier which shall include but not be limited to administration costs, chargeable staff time and extra delivery costs.

7 PROPERTY AND GUARANTEE OF TITLE

7.1 Without prejudice to any other rights or remedies of UKRI, title and risk in the Goods shall pass to UKRI when Delivery of the Goods is complete (including off-loading and stacking).

7.2 The Supplier warrants that:

- (a) it has full clear and unencumbered title to all the Goods;
- (b) at the date of Delivery of any of the Goods it shall have full and unrestricted right, power and authority to sell, transfer and deliver all of the Goods to UKRI; and
- (c) on Delivery UKRI shall acquire a valid and unencumbered title to the Goods.

8 STAFF

8.1 If UKRI reasonably believes that any of the Staff are unsuitable to undertake work in respect of the Contract, it may, by giving written notice to the Supplier:

- (a) refuse admission to the relevant person(s) to UKRI's premises;
- (b) direct the Supplier to end the involvement in the provision of the Goods and/or Services of the relevant person(s); and/or
- (c) require that the Supplier replace any person removed under this clause with another suitably qualified person and procure that any security pass issued by UKRI to the person removed is surrendered,

and the Supplier shall comply with any such notice.

8.2 The Supplier shall:

- (a) ensure that all Staff are vetted in accordance with the Staff Vetting Procedures and if requested, comply with UKRI's Staff Vetting Procedures as supplied from time to time;
- (b) ensure that no person who discloses that he/she has a conviction that is relevant to the nature of the Contract, relevant to the work of UKRI, or is of a type otherwise advised by UKRI (each such conviction a "**Relevant Conviction**"), or is found by the Supplier to have a Relevant Conviction (whether as a result of a police check, the Staff Vetting Procedures or otherwise) is employed or engaged in the provision of any part of the supply of the Goods and/or Services;
- (c) if requested, provide UKRI with a list of the names and addresses (and any other relevant information) of all persons who may require admission to UKRI's premises in connection with the Contract; and
- (d) procure that all Staff comply with any rules, regulations and requirements reasonably specified by UKRI.

9 **TUPE**

9.1 The Supplier warrants that the provision of the Goods and/or Services shall not give rise to a transfer of any employees of the Supplier or any third party to UKRI pursuant to TUPE.

10 **ASSIGNMENT AND SUB-CONTRACTING**

10.1 The Supplier shall not without the written consent of UKRI assign, sub-contract, novate or in any way dispose of the benefit and/ or the burden of the Contract or any part of the Contract. UKRI may, in the granting of such consent, provide for additional terms and conditions relating to such assignment, sub-contract, novation or disposal. The Supplier shall be responsible for the acts and omissions of its sub-contractors as though those acts and omissions were its own.

10.2 Where UKRI has consented to the placing of sub-contracts, the Supplier shall, at the request of UKRI, send copies of each sub-contract, to UKRI as soon as is reasonably practicable.

10.3 UKRI may assign, novate, or otherwise dispose of its rights and obligations under the Contract without the consent of the Supplier provided that such assignment, novation or disposal shall not increase the burden of the Supplier's obligations under the Contract.

11 **INTELLECTUAL PROPERTY AND INDEMNITY**

11.1 All Intellectual Property Rights in any materials provided by UKRI to the Supplier for the purposes of this Contract shall remain the property of UKRI but UKRI hereby grants the Supplier a royalty-free, non-exclusive and non-transferable licence to use such materials as required until termination or expiry of the Contract for the sole purpose of enabling the Supplier to perform its obligations under the Contract.

11.2 The ownership of all Intellectual Property Rights in any materials created or developed by the Supplier pursuant to the Contract or arising as a result of the provision of the Goods and/or Services shall vest in UKRI. If, and to the extent, that the ownership of any Intellectual Property Rights in such materials vest in the Supplier by operation of law, the Supplier hereby assigns ownership of such Intellectual Property Rights to UKRI by way of a present assignment of future rights that shall take place immediately on the coming into existence of any such Intellectual Property Rights all its Intellectual Property Rights in such materials (with full title guarantee and free from all third party rights). Each party shall retain ownership of any intellectual property rights of theirs which are either; (a) owned or developed prior to the Contract; or (b) owned or developed outside of the Contract.

11.3 UKRI hereby grants the Supplier a royalty-free, non-exclusive and non-transferable licence to use any Intellectual Property Rights in the materials created or developed by the Supplier pursuant to the Contract and any Intellectual Property Rights arising as a result of the provision of the Goods and/or Services as required until termination or expiry of this Contract for the sole purpose of enabling the Supplier to perform its obligations under the Contract

11.4 Without prejudice to clause 11.2, the Supplier hereby grants UKRI a perpetual, royalty-free, irrevocable and non-exclusive licence (with a right to sub-license) to use any Intellectual Property Rights vested in or licensed to the Supplier on the date of the Contract or during the Term to the extent not falling within clause 11.2 including any modifications to or derivative versions of any such Intellectual Property Rights, which UKRI reasonably requires in order to exercise its rights and take the benefit of the Contract including the Goods and/or Services provided.

11.5 The Supplier shall indemnify, and keep indemnified, UKRI in full against all cost, expenses, damages and losses (whether direct or indirect), including any interest, penalties, and reasonable legal and other professional fees awarded against or incurred or paid by UKRI as a result of or in connection with any claim made against UKRI for actual or alleged infringement of a third party's intellectual property arising out of, or in

connection with, the supply or use of the Goods and/or Services, to the extent that the claim is attributable to the acts or omission of the Supplier or any Staff.

- 11.6 UKRI shall promptly notify the Supplier of any infringement claim made against it relating to any Goods and, subject to any statutory obligation requiring UKRI to respond, shall permit the Supplier to have the right, at its sole discretion to assume, defend, settle or otherwise dispose of such claim. UKRI shall give the Supplier such assistance as it may reasonably require to dispose of the claim and shall not make any statement which might be prejudicial to the settlement or defence of the claim.

12 RECORDS

12.1 If required by UKRI, the Supplier shall:

- (a) attend progress meetings with UKRI at the frequency and times specified by UKRI and shall ensure that its representatives are suitably qualified to attend such meetings; and
- (b) submit progress reports to UKRI at the times and in the format specified by UKRI.

12.2 The Supplier shall keep and maintain until 6 years after the end of the Contract, or as long a period as may be agreed between the Parties, full and accurate records of the Contract including the Goods and/or Services supplied under it, and all payments made by UKRI. The Supplier shall on request afford UKRI or UKRI's representatives such access to those records as may be reasonably requested by UKRI in connection with the Contract.

13 CONFIDENTIALITY, TRANSPARENCY AND PUBLICITY

13.1 Subject to clause 13.2, each Party shall:

- (a) treat all Confidential Information it receives as confidential, safeguard it accordingly and not disclose it to any other person without the prior written permission of the disclosing Party; and
- (b) not use or exploit the Disclosing Party's Confidential Information in any way except for the purposes anticipated under the Contract.

13.2 Notwithstanding clause 13.1, a Party may disclose Confidential Information which it receives from the other Party:

- (a) where disclosure is required by applicable law or by a court of competent jurisdiction;
- (b) to its auditors or for the purposes of regulatory requirements;
- (c) on a confidential basis, to its professional advisers;
- (d) to the Serious Fraud Office where the Party has reasonable grounds to believe that the other Party is involved in activity that may constitute a criminal offence under the Bribery Act 2010;
- (e) where the Receiving Party is the Supplier, to the Staff on a need to know basis to enable performance of the Supplier's obligations under the Contract provided that the Supplier shall procure that any Staff to whom it discloses Confidential Information pursuant to this clause 13.2(e) shall observe the Supplier's confidentiality obligations under the Contract; and
- (f) where the Receiving Party is UKRI:

- (i) on a confidential basis to the employees, agents, consultants and contractors of UKRI;
- (ii) on a confidential basis to any Central Government Body, any successor body to a Central Government Body or any company to which UKRI transfers or proposes to transfer all or any part of its business;
- (iii) to the extent that UKRI (acting reasonably) deems disclosure necessary or appropriate in the course of carrying out its public functions; or
- (iv) in accordance with clause 14.

and for the purposes of the foregoing, references to disclosure on a confidential basis shall mean disclosure subject to a confidentiality agreement or arrangement containing terms no less stringent than those placed on UKRI under this clause 13.

13.3 The Parties acknowledge that, except for any Information which is exempt from disclosure in accordance with the provisions of the FOIA, the content of the Contract is not Confidential Information and the Supplier hereby gives its consent for UKRI to publish the Contract in its entirety to the general public (but with any Information that is exempt from disclosure in accordance with the FOIA redacted) including any changes to the Contract agreed from time to time. UKRI may consult with the Supplier to inform its decision regarding any redactions but shall have the final decision in its absolute discretion whether any of the content of the Contract is exempt from disclosure in accordance with the provisions of the FOIA.

13.4 The Supplier shall not, and shall take reasonable steps to ensure that the Staff shall not, make any press announcement or publicise the Contract or any part of the Contract in any way, except with the prior written consent of UKRI.

14 FREEDOM OF INFORMATION

14.1 The Supplier acknowledges that UKRI is subject to the requirements of the FOIA and the EIR and shall:

- (a) provide all necessary assistance and cooperation as reasonably requested by UKRI to enable UKRI to comply with its obligations under the FOIA and the EIR;
- (b) transfer to UKRI all Requests for Information relating to the Contract that it receives as soon as practicable and in any event within 2 Working Days of receipt;
- (c) provide UKRI with a copy of all Information belonging to UKRI requested in the Request for Information which is in its possession or control in the form that UKRI requires within 5 Working Days (or such other period as UKRI may reasonably specify) of UKRI's request for such Information; and
- (d) not respond directly to a Request for Information unless authorised in writing to do so by UKRI.

14.2 The Supplier acknowledges that UKRI may be required under the FOIA and the EIR to disclose Information concerning the Supplier or the Goods and/or Services (including commercially sensitive information) without consulting or obtaining consent from the Supplier.

14.3 Notwithstanding any other provision in the Contract, UKRI shall be responsible for determining in its absolute discretion whether any Information relating to the Supplier or the Goods is exempt from disclosure in accordance with the FOIA and/or the EIR.

15 PROTECTION OF PERSONAL DATA AND SECURITY OF DATA

- 15.1 In this Clause 15, the terms, "processes", "data controller" and "data processor" shall have the same meanings given to them under Data Protection Legislation.
- 15.2 The Parties acknowledge that for the purposes of Data Protection Legislation, UKRI is the data controller and the Supplier is the data processor of any Personal Data.
- 15.3 The Supplier shall and shall procure that its staff and sub-contractors shall comply with all Data Protection Legislation in relation to any Personal Data processed.
- 15.4 Without limiting Clauses 15.2 and 15.3, the Supplier shall at all times (and shall ensure that at all times its staff):
- (a) process Personal Data only in accordance with the documented instructions received from UKRI and during the Term of this Contract Annex A- Schedule of Processing, Personal Data and Data Subjects. The Supplier shall immediately inform UKRI if, in the Supplier's opinion, an instruction from UKRI infringes the Data Protection Legislation or any other applicable law;
 - (b) ensure that any person to whom it provides the Personal Data is subject to appropriate confidentiality obligations;
 - (c) disclose any Personal Data only on a need to know basis to staff directly concerned with the provision of the Goods and/or Services;
 - (d) not transfer or direct the transfer of any Personal Data to any third party or process or direct the processing of Personal Data outside of the European Economic Area in each case without UKRI's prior written consent (which consent may be subject to conditions as directed by UKRI);
 - (e) keep all Personal Data confidential, and have in place now and shall on a continuing basis take all reasonable appropriate technical and organisational measures to keep all Personal Data confidential and secure and to protect against unauthorised or unlawful processing, accidental loss, destruction, damage, alteration, disclosure or access;
 - (f) upon request by UKRI, promptly do such other acts in relation to the Personal Data, or any part thereof, as UKRI shall request to enable UKRI to comply with its obligations under the Data Protection Legislation;
 - (g) notify UKRI promptly (and at least within 24 hours) if it receives a request from a Data Subject or a complaint relating to a Data Subject and promptly provide UKRI with all such data, information, cooperation and assistance as is required by UKRI in order to respond to and resolve the request or complaint within any applicable time frames;
 - (h) provide such information and allow for and contribute to audits, including inspections, conducted by UKRI or an auditor mandated by UKRI, as is reasonably necessary to enable UKRI to satisfy itself of the Supplier's compliance with this Clause 15 and the Data Protection Legislation
 - (i) on termination or expiry of this Contract, and at any other time on UKRI's request, either return or destroy (as elected by UKRI) the Personal Data (including all copies of it) and confirm in writing that it has complied with this obligation; and
 - (j) notify UKRI without undue delay on becoming aware of any Personal Data Breach and promptly following notification, provide such data, information and assistance as is required by UKRI in order for UKRI to notify the Personal Data Breach to the

Information Commissioner and/or Data Subject(s) and otherwise fulfil its obligations under Data Protection Legislation.

16 LIABILITY

- 16.1 UKRI shall not be responsible for any injury, loss, damage, cost or expense suffered by the Supplier if and to the extent that it is caused by the negligence or wilful misconduct of the Supplier or the Staff or breach by the Supplier of its obligations under the Contract. The Supplier shall not be responsible for any injury, loss, damage, cost or expense suffered by UKRI if and to the extent that it is caused by the negligence or wilful misconduct of UKRI or by breach by UKRI of its obligations under the Contract.
- 16.2 Subject always to clause 16.5 and 16.6 in no event shall either Party be liable to the other Party for any:
- (a) loss of profits;
 - (b) loss of business;
 - (c) loss of revenue;
 - (d) loss of or damage to goodwill;
 - (e) loss of savings (whether anticipated or otherwise); and/or
 - (f) any indirect, special or consequential loss or damage.
- 16.3 Subject always to clause 16.5 and 16.6, the aggregate liability of the Supplier in respect of all defaults, claims, losses or damages howsoever caused, whether arising from breach of the Contract, the supply or failure to supply of the Goods and/or perform the Services, misrepresentation (whether tortious or statutory), tort (including negligence), breach of statutory duty or otherwise shall in no event exceed the Limit of Liability.
- 16.4 Subject to clause 16.5, the aggregate liability of UKRI in respect of all defaults, claims, losses or damages howsoever caused, whether arising from breach of the Contract, misrepresentation (whether tortious or statutory), tort (including negligence), breach of statutory duty or otherwise shall in no event exceed a sum equal to the Charges.
- 16.5 Nothing in the Contract shall be construed to limit or exclude either Party's liability for:
- (a) death or personal injury caused by its negligence or that of its Staff;
 - (b) fraud or fraudulent misrepresentation by it or that of its Staff;
 - (c) breach of any obligation as to title implied by section 12 of the Sale of Goods Act 1979 or section 2 of the Supply of Goods and Services Act 1982; or
 - (d) any other matter which, by law, may not be excluded or limited.
- 16.6 The Supplier's liability under the indemnities in clauses 11.5, 15 and 20.3 shall be unlimited.
- 16.7 The Supplier shall effect and maintain an adequate level of insurance cover in respect of all risks that may be incurred by it in the performance of this Contract. On request from UKRI, the Supplier shall provide UKRI with copies of the insurance policy certificates and details of the cover provided.

17 **FORCE MAJEURE**

Neither Party shall have any liability under or be deemed to be in breach of the Contract for any delays or failures in performance of the Contract which result from circumstances beyond the reasonable control of the Party affected. Each Party shall promptly notify the other Party in writing when such circumstances cause a delay or failure in performance and when they cease to do so. If such circumstances continue for a continuous period of more than 30 days, either Party may terminate the Contract by written notice to the other Party.

18 **TERMINATION**

18.1 UKRI may terminate the Contract in whole or in part at any time before the Goods and/or Services are provided with immediate effect by giving the Supplier written notice, whereupon the Supplier shall discontinue the provision of the Goods and/or Services (in whole or in part as applicable). UKRI shall pay to the Supplier:

- (a) such Charges or that part of the Charges for Goods which have been Delivered to UKRI or, on the deemed date of service of the notice of cancellation, are already in transit and the costs of materials which the Supplier has purchased to fulfil the order for the Goods and which cannot be used for other orders or be returned to the supplier of those materials for a refund; and/or
- (b) such Charges or that part of the Charges for Services provided and a fair and reasonable portion of the Charges for work-in-progress in performing the Services at the time of termination,

but UKRI shall not be liable for any loss of anticipated profits or any consequential loss and the Supplier shall have a duty to mitigate its costs and shall on request provide proof of work-in-progress claimed.

18.2 UKRI may terminate the Contract at any time by notice in writing to the Supplier to take effect on any date falling at least 1 month (or, if the Contract is less than 3 months in duration, at least 10 Working Days) later than the date of service of the relevant notice.

18.3 Without prejudice to any other right or remedy it might have, UKRI may terminate the Contract by written notice to the Supplier with immediate effect if the Supplier:

- (a) (without prejudice to clause 18.3(e)), is in material breach of any obligation under the Contract which is not capable of remedy;
- (b) repeatedly breaches any of the terms and conditions of the Contract in such a manner as to reasonably justify the opinion that its conduct is inconsistent with it having the intention or ability to give effect to the terms and conditions of the Contract;
- (c) is in material breach of any obligation which is capable of remedy, and that breach is not remedied within 30 days of the Supplier receiving notice specifying the breach and requiring it to be remedied;
- (d) undergoes a change of control within the meaning of section 1124 of the Corporation Tax 2010, unless UKRI has given its prior written consent to the change of control or does not raise an objection within 6 months of the Supplier's written notice to UKRI that a change of control has occurred;
- (e) breaches the provisions of clauses 8.2, 13, 14, 15 and 19;
- (f) becomes insolvent, or if an order is made or a resolution is passed for the winding up of the Supplier (other than voluntarily for the purpose of solvent amalgamation

or reconstruction), or if an administrator or administrative receiver is appointed in respect of the whole or any part of the Supplier's assets or business, or if the Supplier makes any composition with its creditors or takes or suffers any similar or analogous action (to any of the actions detailed in this clause 18.3) in consequence of debt in any jurisdiction; or

- (g) fails to comply with legal obligations in the fields of environmental, social or labour law.
- 18.4 The Supplier shall notify UKRI as soon as practicable of any change of control as referred to in clause 18.3(d) or any potential such change of control.
- 18.5 In addition to the Supplier's statutory rights, the Supplier may terminate the Contract by written notice to UKRI if UKRI has not paid any undisputed invoice within 90 days of it falling due.
- 18.6 Termination or expiry of the Contract shall be without prejudice to the rights of either Party accrued prior to termination or expiry and shall not affect the continuing rights of the Parties under clauses 2, 3.2, 3.3, 8, 11, 12.1, 13, 14, 15, 16, 18.7, 19.4, 20.3, 21 and 22.9 and any other term or condition of the Contract that either expressly or by implication has effect after termination.
- 18.7 Upon termination or expiry of the Contract, the Supplier shall:
- (a) give all reasonable assistance to UKRI and any incoming supplier of Goods and/or Services; and
 - (b) return all requested documents, information and data to UKRI as soon as reasonably practicable.

19 COMPLIANCE

- 19.1 The Supplier shall promptly notify UKRI of any health and safety hazards which may arise in connection with the performance of its obligations under the Contract. UKRI shall promptly notify the Supplier of any health and safety hazards which may exist or arise at UKRI's premises and which may affect the Supplier in the performance of its obligations under the Contract.
- 19.2 The Supplier shall:
- (a) comply with the reasonable requirements of UKRI's security arrangements;
 - (b) comply with all UKRI's health and safety measures;
 - (c) notify UKRI immediately in the event of any incident occurring in the performance of its obligations under the Contract on UKRI's premises where that incident causes any personal injury or damage to property which could give rise to personal injury;
 - (d) perform its obligations under the Contract in accordance with all applicable equality law and UKRI's equality and diversity policy as provided to the Supplier from time to time;
 - (e) take all reasonable steps to secure the observance of clause 19.2(d) by all Staff; and
 - (f) supply the Goods and any packaging in accordance with UKRI's environmental policy as provided from time to time.

- 19.3 The Goods shall be packed and marked in a proper manner and in accordance with any instructions specified in the Award Letter, any statutory requirements and any requirements of the carriers. All packaging materials shall be considered non-returnable. The Supplier shall indemnify UKRI against all actions, suits, claims, demands, losses, charges, costs and expenses which UKRI may suffer or incur as a result of, or in connection with, any breach of this clause 19.3.
- 19.4 If notified by UKRI, the Supplier shall comply with, and shall ensure that its Staff shall comply with, the provisions of:
- (a) the Official Secrets Acts 1911 to 1989; and
 - (b) section 182 of the Finance Act 1989.

20 PREVENTION OF FRAUD AND CORRUPTION

- 20.1 The Supplier shall not offer, give, or agree to give anything, to any person an inducement or reward for doing, refraining from doing, or for having done or refrained from doing, any act in relation to the obtaining or execution of the Contract or for showing or refraining from showing favour or disfavour to any person in relation to the Contract.
- 20.2 The Supplier shall take all reasonable steps, in accordance with Good Industry Practice, to prevent fraud by the Staff and the Supplier (including its shareholders, members and directors) in connection with the Contract and shall notify UKRI immediately if it has reason to suspect that any fraud has occurred or is occurring or is likely to occur.
- 20.3 If the Supplier or the Staff engages in conduct prohibited by clause 20.1 or commits fraud in relation to the Contract or any other contract with the Crown (including UKRI) UKRI may:
- (a) terminate the Contract and recover from the Supplier the amount of any loss suffered by UKRI resulting from the termination, including the cost reasonably incurred by UKRI of making other arrangements for the supply of the Goods and/or Services and any additional expenditure incurred by UKRI throughout the remainder of the Contract; or
 - (b) recover in full from the Supplier any other loss sustained by UKRI in consequence of any breach of this clause.

21 DISPUTE RESOLUTION

- 21.1 The Parties shall attempt in good faith to negotiate a settlement to any dispute between them arising out of or in connection with the Contract and such efforts shall involve the escalation of the dispute to an appropriately senior representative of each Party.
- 21.2 If the dispute cannot be resolved by the Parties within one month of being escalated as referred to in clause 21.1, the dispute may by agreement between the Parties be referred to a neutral adviser or mediator (the "**Mediator**") chosen by agreement between the Parties. All negotiations connected with the dispute shall be conducted in confidence and without prejudice to the rights of the Parties in any further proceedings.
- 21.3 If the Parties fail to appoint a Mediator within one month, or fail to enter into a written agreement resolving the dispute within one month of the Mediator being appointed, either Party may exercise any remedy it has under applicable law.

22 GENERAL

- 22.1 Each of the Parties represents and warrants to the other that it has full capacity and authority, and all necessary consents, licences and permissions to enter into and perform

its obligations under the Contract, and that the Contract is executed by its duly authorised representative.

- 22.2 The Supplier warrants and represents that during the Term it shall not accept work from other sources that will in any way impair or affect its ability to provide the Goods and/or Services and comply with the terms of this Contract.
- 22.3 The Supplier must make sure that neither it nor any of its Staff or sub-contractors are placed in a position where there is or may be an actual conflict, or a potential conflict, between their interests or the interests of its Staff or sub-contractors and the Supplier's obligations under this Contract. You must disclose to us the particulars of any conflict of interest that arises.
- 22.4 A person who is not a party to the Contract shall have no right to enforce any of its provisions which, expressly or by implication, confer a benefit on him or her, without the prior written agreement of the Parties.
- 22.5 The Contract cannot be varied except in writing signed by a duly authorised representative of both the Parties.
- 22.6 The Contract contains the whole agreement between the Parties and supersedes and replaces any prior written or oral agreements, representations or understandings between them. The Parties confirm that they have not entered into the Contract on the basis of any representation that is not expressly incorporated into the Contract. Nothing in this clause 22.6 shall exclude liability for fraud or fraudulent misrepresentation.
- 22.7 Any waiver or relaxation either partly, or wholly of any of the terms and conditions of the Contract shall be valid only if it is communicated to the other Party in writing and expressly stated to be a waiver. A waiver of any right or remedy arising from a breach of contract shall not constitute a waiver of any right or remedy arising from any other breach of the Contract.
- 22.8 The Contract shall not constitute or imply any partnership, joint venture, agency, fiduciary relationship or other relationship between the Parties other than the contractual relationship expressly provided for in the Contract. Neither Party shall have, nor represent that it has, any authority to make any commitments on the other Party's behalf.
- 22.9 Except as otherwise expressly provided by the Contract, all remedies available to either Party for breach of the Contract (whether under the Contract, statute or common law) are cumulative and may be exercised concurrently or separately, and the exercise of one remedy shall not be deemed an election of such remedy to the exclusion of other remedies.
- 22.10 If any provision of the Contract is prohibited by law or judged by a court to be unlawful, void or unenforceable, the provision shall, to the extent required, be severed from the Contract and rendered ineffective as far as possible without modifying the remaining provisions of the Contract, and shall not in any way affect any other circumstances of or the validity or enforcement of the Contract.

23 NOTICES

- 23.1 Any notice to be given under the Contract shall be in writing and may be served by personal delivery, first class recorded or, subject to clause 23.3, e-mail to the address of the relevant Party set out in the Award Letter, or such other address as that Party may from time to time notify to the other Party in accordance with this clause.
- 23.2 Notices served as above shall be deemed served on the Working Day of delivery provided delivery is before 5.00pm on a Working Day. Otherwise delivery shall be deemed to occur

on the next Working Day. An email shall be deemed delivered when sent unless an error message is received.

23.3 Notices under clauses 17 and 18 may be served by email only if the original notice is then sent to the recipient by personal delivery or recorded delivery in the manner set out in clause 23.1.

24 **GOVERNING LAW AND JURISDICTION**

24.1 The validity, construction and performance of the Contract, and all contractual and non-contractual matters arising out of it, shall be governed by English law and shall be subject to the exclusive jurisdiction of the English courts to which the Parties submit.

Schedule 2 The Specification

- 1 The Suppliers shall provide the Goods and/or Services in accordance with this Schedule
- 2.

1. Background

Evaluation at UKRI and STFC

UK Research and Innovation (UKRI) works in partnership with universities, research organisations, businesses, charities, and government to create the best possible environment for research and innovation to flourish. Operating across the whole of the UK with a combined budget of more than £7 billion, UKRI brings together the seven Research Councils, Innovate UK and Research England. UKRI aims to maximise the contribution of each of its component parts, working individually and collectively. UKRI works with many partners to benefit everyone through knowledge, talent and ideas.

The Science and Technology Facilities Council (STFC) is one of the seven Research Councils within UKRI. STFC is a world-leading, multi-disciplinary science organisation, whose goal is to deliver economic, societal, scientific and international benefits to the UK and its people – and more broadly to the world. STFC supports an academic community of around 1,700 in particle physics, nuclear physics, and astronomy including space science, who work at more than 50 universities and research institutes in the UK, Europe, Japan and the United States, including a rolling cohort of more than 900 PhD students. In 2018-19, the organisation's three large-scale scientific facilities in the UK were used by 6,770 unique users to carry out 4,194 experiments, which produced 1,787 papers in peer-reviewed journals.

Monitoring and evaluation (M&E) is crucial to delivering STFC's and UKRI's visions. It provides an evidence base to support effective decision-making and is an important means of ensuring investments in research and innovation deliver on their aims; push the frontiers of human knowledge and understanding; and deliver economic, cultural and societal impact. In 2019, STFC published, alongside the other UKRI Research Councils, its latest delivery plans outlining how STFC will work with its partners to ensure that world-leading research and innovation continues to flourish in the UK.

Capturing and reporting the impact of STFC's work to UKRI, Government and other key stakeholders is a core responsibility, with STFC required to produce evidence of the impact from its investments, projects and facilities. UKRI's Monitoring and Evaluation Framework, internally published in August 2019, sets out the principles and processes to follow when monitoring and evaluating STFC's direct investments in research and innovation.

Environmental Sustainability at UKRI and STFC

The focus on Net Zero and environmental sustainability is increasing rapidly within Government, UKRI and STFC. Given the scope of UKRI's operations and the integral role that science plays in the global response to climate change, UKRI has produced an Environmental Sustainability Strategy¹. This sets out the ambitions and priorities across the whole organisation, including the goal of reducing carbon emissions from its estate and operations to net zero by 2040.

To deliver on this goal, STFC has developed an Environmental Sustainability Action Plan 2021-2025 which provides a practical means of accomplishing the Net Zero target, through a set of immediate actions and an overall framework of medium-term priorities. This programme is well underway.

¹ <https://www.ukri.org/wp-content/uploads/2020/10/UKRI-050920-SustainabilityStrategy.pdf>

STFC accounts for circa 60% of UKRI's carbon footprint due to large-scale and energy-intensive, scientific facilities. To reach the Net Zero goal, an evidence base must be established for the positive environmental contribution of the research enabled by its large-scale scientific facilities.

Given the scale and complexity of STFC's research programmes, a pilot study will be undertaken to evaluate the environmental impacts associated with a single, suitable, STFC facility.

The ISIS Neutron and Muon Source has been selected as the most appropriate facility due to the significant scale and relevant scope of its research programme, and because it accounts for circa 50% of STFC's carbon footprint.

ISIS Neutron and Muon Source

The ISIS Neutron and Muon Source (ISIS) is a world-leading centre for research in the physical and life sciences based at STFC's Rutherford Appleton Laboratory (RAL) in Oxfordshire. The facility is owned and operated by STFC.

At the heart of the facility is a particle accelerator; protons are accelerated to close to the speed of light before hitting specially-designed targets to produce beams of neutrons and muons. These allow scientists to study materials at the atomic level using a suite of over 30 instruments, often described as 'super-microscopes'. A vital part of the global scientific infrastructure, ISIS supports a large and diverse national and international community of several thousand academic and industrial scientists who use neutrons and muons for multi-disciplinary research. ISIS' science addresses many of the major scientific challenges of the 21st century, including clean energy, environmental sustainability, advanced materials, antibiotic resistance and next-generation computing and data storage.

ISIS commenced operations in 1984 and completed construction of a second target station (TS2) in 2008, increasing both scientific capacity and capability.

ISIS' neutron and muon instruments are free at the point of access for both academic and industrial researchers, provided the results from experiments are published in the public domain. Fully confidential, fast-tracked use of the instruments is also available for industrial and commercial customers. ISIS operates nine Facility Access Panels to peer review all beamtime proposals.

The facility has long-established industrial links with more than 100 companies representing a variety of industrial areas, including Rolls-Royce, Toyota, Unilever, EDF, Boeing, Airbus, and BP. Since ISIS was established, UK and global industries have benefited directly with their research supporting advances in a wide range of products. Around 40% of its users are from overseas and span some 36 countries.

ISIS employs more than 500 diverse and highly qualified scientists, technicians, engineers, and administrative staff, and supports and develops a vibrant community of apprentices, students, and early career scientists and engineers.

An independent study concluded that by 2014, ISIS had paid for itself more than twice over and will deliver an estimated £2.8 billion of net economic benefit to the UK by 2030.

2. Aims

STFC wishes to commission an environmental impact evaluation study of the wide-ranging benefits from the UK's investment in ISIS since 2011. The aims of the study are threefold:

Through the evidence available for ISIS;

1. Develop an environmental evaluation methodology to assess quantitatively the environmental impacts from delivered scientific research. Understand assumptions,

uncertainties and limitations, and applicability of the methodology for reuse to different STFC investments.

2. Develop qualitative approaches to represent environmental impacts where these cannot be quantified. Establish a framework to use these qualitative approaches going forward.
3. Demonstrate the environmental impacts of ISIS' delivered scientific research, articulating how the developed methodology and approaches in 1. and 2. above have been applied. Ensure application of the methodology is robust and defensible.

The environmental impact evaluation study should contain both quantitative and qualitative data, and evidence that will allow STFC to demonstrate the wide range of environmental outcomes and impacts that the UK's investment in ISIS has produced, and indications of key environmental impacts that may be expected in the future.

For clarity, this commission does not seek any carbon emissions analysis (footprint) from the consumption of energy at ISIS/STFC. ISIS' operations and the construction of instrumentation for ISIS are excluded from the scope of this study.

3. Suggested Methodology

a. Proposal

Tenders should outline appropriate methodologies for undertaking this study which, wherever possible, are recognised externally by BEIS, HM Treasury and other key stakeholders. Please note that the use of input-output multipliers is not compliant with the latest version of the HMT Green Book and hence are not expected to be used.

The study should focus on the period from 2011. This is in recognition that key research in environmental sustainability delivered during this period likely encompasses much of the earlier research in the same fields. It also limits the scope of the study to that considered practicable.

STFC has information on the UK's investment in ISIS and its research outputs. This data will be provided to the successful bidder. Any additional information needed will be collected by the successful bidder and plans on how to gather this data need to be included in the proposal.

Tenders should seek to provide an estimated project plan and cost linked to key deliverables or stages and include an estimation of time or particular staff resource likely required from STFC staff and contractors.

A few methodological points to be taken into consideration are:

- BEIS' policy paper published on 2 September 2021 replaces the previous guidance on carbon valuation. Titled "Valuation of greenhouse gas emissions: for policy appraisal and evaluation", it sets out a revised approach to valuing GHG emissions in policy appraisal.
- BEIS provided supplementary guidance to HM Treasury's Green Book on 7 October 2021 on the valuation of energy use and GHG emissions for appraisal. This guidance provides practical information about implementation of the carbon valuation methodology for UK policy appraisal, and sets out the rules for quantifying and valuing energy use and GHG emissions.
- Some benefits (and costs) are not easily captured or quantifiable but nonetheless need to be measured as much as possible. HM Treasury's Green, Magenta and Aqua Books, the quantitative government manual on economic appraisal, recommend the inclusion of unquantifiable benefits for which monetary values cannot be established.

- Capturing technological developments in the field of environmental sustainability that the UK has contributed to through ISIS' research programme and its influence on society and industry is an area that requires examination.
- The study will likely involve a mix of desk research, surveys and direct interviews.

b. Provision of ISIS Research Data

The scientific output from ISIS represented by published research papers is currently in excess of 600 per year and amounts to over 15,000 since operations commenced in 1984. As discussed earlier, it is unnecessary and impractical to assess all of this scientific output. STFC has therefore limited the scope by excluding all such scientific output prior to 2011.

STFC has applied a tool for analysing scientific impact using keywords to all published papers in the period 2011-2020 inclusive, and mapped these against the United Nations (UN) Sustainable Development Goals (SDGs). The results for all SDGs with associated publications are:

UN SDG	Number of Published Papers
3 - Good Health and Well-being	51
6 - Clean Water and Sanitation	4
7 - Affordable and Clean Energy	343
9 - Industry, Innovation and Infrastructure	29
11 - Sustainable Cities and Communities	13
12 - Responsible Consumption and Production	7
13 - Climate Action	30
14 - Life Below Water	1
15 - Life on Land	3

This subset of research papers will be provided to the successful bidder who will analyse, identify, recommend to and agree with STFC the areas of research for evaluation both quantitatively and qualitatively.

c. Specific Application Areas

ISIS has enabled research in some specific application areas with potentially significant environmental impacts. These are:

- Nuclear energy – life-time extension of EDF's nuclear power stations to realising the potential of Small Modular Reactors (SMRs).
- Batteries – from ISIS' role in developing lithium-ion technology to optimising new materials for greener energy storage.
- Global transport – improved fuel efficiency through cleaner fuel lines and improved lubrication.
- Industrial catalysis – how neutron methods are being used to study reactions and processes that are directly relevant to achieving Net Zero, such as methane reforming, Fischer-Tropsch synthesis, ammonia and methanol production and utilisation, bio-mass upgrading, fuel cells, and CO₂ capture and exploitation.

Research papers and other information in these application areas will be provided to the successful bidder who will assess, recommend to and agree with STFC their inclusion in the study if the environmental impacts merit so doing.

d. Stages of Study

The study will need to follow a three-stage process, attached to which will be part-payment points for the different stages as follows:

Stage 1: Scoping Phase

Once the successful bidder has been selected, the first stage of the study will be to finalise the proposed approach. This will involve:

- Analysis of the data provided on ISIS published papers, and the identification and recommendation of the areas of research for evaluation.
- Assessment of the specific application areas identified by STFC, and recommendation of their inclusion in the study if merited.
- Development of the project management plan and timescales, including any additional data that will be needed. Proposal for any planned surveys, interviews or questionnaires.
- Presentation to, and discussion and agreement with STFC.

Successful completion of this stage will be needed around two months after contract placement and before proceeding to stage 2. This will enable the first payment for the study.

Stage 2: Methodology Development

The second stage will involve:

- Development of the environmental evaluation methodology to assess quantitatively the environmental impacts from delivered scientific research.
- Development of the qualitative approaches to representing environmental impacts, where these cannot be quantified, and the framework for their future use.
- Presentation to, and discussion and agreement with STFC.

Successful completion of this stage will be needed around four months after contract placement and before proceeding to stage 3, and will be associated with the second payment for the study.

Stage 3: Evaluation Phase

The third and final stage will involve:

- Demonstration quantitatively of the environmental impacts of ISIS' delivered scientific research, articulating how the developed methodology has been applied, and ensuring that its application is robust and defensible. Discussion of the assumptions, uncertainties and limitations, and applicability of the methodology for reuse to different STFC investments.
- Demonstration of the environmental impacts of ISIS' delivered scientific research where these cannot be quantified, including establishing a framework to use going forward.

An interim report detailing the initial findings and the progress made so far is required at the 'half way' point of the evaluation phase. Approval of the interim report will trigger the third payment for the study. The successful completion of the evaluation phase and all deliverables will be the fourth and final payment point.

4. Deliverables

The deliverables for the study are:

- i. **Interim report on findings – 7 months after contract placement.** STFC will require regular updates on emerging findings and progress. The successful bidder will work closely with a senior advisor at STFC who will provide support in a number of ways; for example, helping shape the likely most productive evaluation approach, gaining access to important data, and managing the interactions with STFC.
- ii. **Full impact evaluation report – 10 months after contract placement.** The primary audiences for the full environmental impact evaluation report will be STFC, UKRI and BEIS. The secondary audience for the full report is other UKRI research councils and relevant scientific communities. The key environmental impacts and high-level messages from the study must be upfront, clear and highlighted in an executive summary, together with an infographic.
- iii. **Summary report, around 5-10 pages long,** for a more general audience. This will include an executive summary and infographic highlighting all the key findings from the study. It should provide a rich source of information that could be used for PR purposes through case studies and press releases.
- iv. **Raw data.** Full access will be required to all methodologies and approaches developed, and data and analysis performed during the study, including to the data sets and any raw interview transcripts.
- v. **Presentations.** The findings will require presentation to STFC at different stages of the study.

Annex A - Schedule of Processing, Personal Data and Data Subjects

The Supplier shall only process in accordance with the instructions as advised below and comply with any further written instructions with respect to processing by the Contracting Authority. Any such further written processing instructions required by the Contracting Authority shall be incorporated into this Schedule and shall be the subject of a formal amendment to this Contract.

1. The contact details of the Contracting Authority Data Protection Officer are:
(b) (1) (A), FOIA Section 2(a) Personal Information
2. The contact details of the Suppliers Data Protection Officer are: [Insert Contact details]
3. The Supplier shall comply with any further written instructions with respect to processing by the Contracting Authority.

Any such further instructions shall be incorporated into this Schedule

Description	Details
Subject matter of the processing	As part of the Evaluation, personal data will be made available to the successful bidder by UKRI/STFC. This will enable the supplier to reach out to our academic and commercial users, and other stakeholders integral to the delivery of the Contract.
Duration of the processing	18 Months.
Nature and purposes of the processing	<p>The personal data handled in this Contract will be used to further the data collection directly from academic and commercial users, team members, staff etc. to enable deeper analysis of the study's aims.</p> <p>The supplier may choose to contact the individuals directly for interviews, look to surveys or questionnaires or other means available to them to enable a deeper understanding and to provide a more meaningful report.</p> <p>There is no requirement on the data subject to comply with any requests our suppliers make.</p> <p>Personal data will be available through a UKRI owned platform (e.g. SharePoint) with external access given to the supplier to avoid personal data being shared via email.</p>

Type of Personal Data	Name, work address, work email, telephone number.
Categories of Data Subject	STFC staff. Academic and commercial users.
Plan for return and destruction of the data once the processing is complete UNLESS requirement under union or member state law to preserve that type of data	None of the personal data will be shared with third parties. Personal user data will be held and secured so as to be compliant with UK law (including the General Data Protection Regulation (GDPR) and the Data Protection Act). All personal data will be securely disposed of after the contract concludes.