

ASPIRE2 SOLAR PV AND CANOPIES
MAIN WORKS CONTRACT
UK Research & Innovation

Version: V6

Date: 12/03/2024

CONTENTS

1.0 Contract Terms and Conditions

- 1.1 Form of Agreement
- 1.2 The Client's Contract Data
- 1.3 The Contractor's Contract Data
- 1.4 X Clauses
- 1.5 Y Clauses
- 1.6 Z Clauses
- 1.7 Pricing Document
- 1.8 Programme
- 1.9 Warranty Templates

2.0 Site Information

3.0 Boundaries of the Site

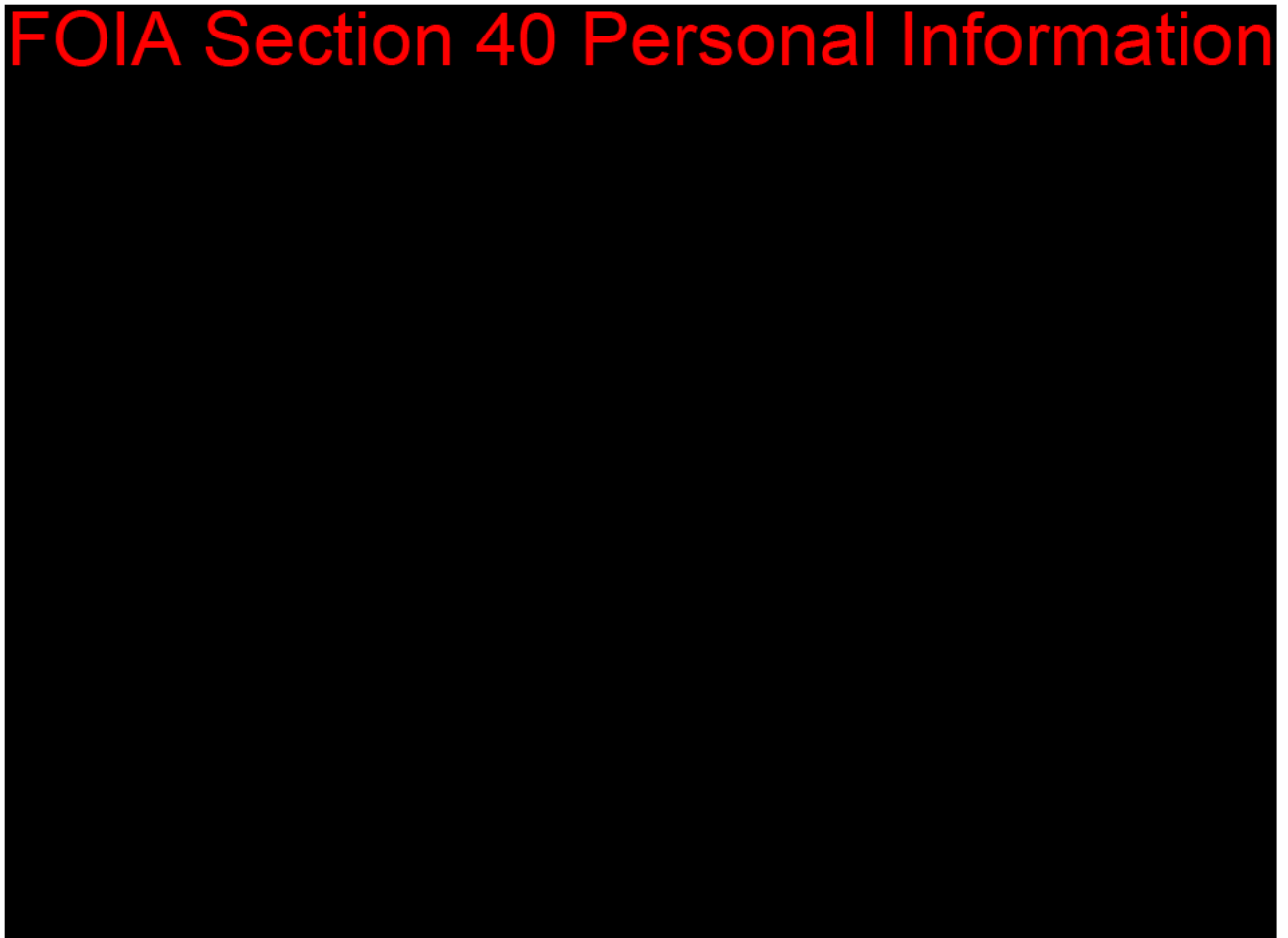
4.0 Client's Scope

- S100 Description of the works
- S200 General constraints on how the *Contractor* Provides the Works
- S300 *Contractor's* design
- S400 Completion
- S500 Programme
- S600 Quality management
- S700 Tests and inspections
- S800 Management of works
- S900 Working with the *Client* and Others
- S1000 Services and other things to be provided
- S1100 Health & Safety
- S1200 Subcontracting
- S1300 Title
- S1400 Government Soft Landings
- S1500 Clause X20 Key Performance Indicators
- S1600 Warranties
- S1700 Maintenance
- S2000 Consultant Appointments
- S2100 *Client's* Scope

DOCUMENT DETAILS

Project Number: Document Template Report
Project Name: ASPIRE2 SOLAR PV AND CANOPIES
Organisation: UK Research and Innovation
Source Location: EstatesServices/RAL/Capital_Projects/
Classification: Uncontrolled non sensitive

FOIA Section 40 Personal Information



Related Documents:

Document	Comment
N/A	

1.0 CONTRACT TERMS AND CONDITIONS

1.1 Form of Agreement

THIS AGREEMENT is made on the 7th day of March 2024

BETWEEN:

(1) **UK Research and Innovation (UKRI)** whose registered office is at Polaris House, North Star Avenue, Swindon, SN2 1FL (the "Client")

AND

(2) **Vital Energi Utilities Limited**, whose registered office is at Century House, Roman Road, Blackburn BB1 2LD (the "Contractor")

The Client wishes to have the following *works* provided:

Design, construction and commissioning of canopy mounted solar PV, electric vehicle charge points, lighting, rerouting of power supplies from the adjacent existing wind turbine, associated electrical works and infrastructure works located at and adjacent to Building R105/106 car park, Road 8, Rutherford Appleton Laboratory, Harwell Campus, Didcot. The solar PV will provide renewable power to the adjacent ASPIRE2 research compound.

IT IS AGREED as follows:-

(1) *The Contractor's obligations*

The *Contractor* provides the services and comply with his obligations in accordance with the conditions of contract set out in the Contract Data herein.

The offered total of the Prices is **£1,234,767 excluding VAT** (one million pounds, two hundred and thirty four thousand, seven hundred and sixty seven pounds excluding VAT).

The prices list and tender qualifications are presented in Section 1.7 Pricing Documents.

(2) *The Client's obligations*

The *Client* pays the amount of money and complies with its obligations in accordance with the conditions of contract set out in the Contract Data herein.

(3) **Contract Documentation**

The documents forming part of this agreement are:

- the *Client's* letter of instruction dated 14th February 2024
- *Client's* Contract Data
- *Contractor's* Contract Data
- the executed Contract (this document)
- the *Client's* Purchase Order which will be issued to the *Contractor* following appointment

Executed by the *Client*

by

FOIA Section 40 Personal Information



Executed by the *Contractor*

By

FOIA Section 40 Personal Information



1.2 The Client's Contract Data

The Client is

Name	<input type="text" value="UK Research and Innovation"/>
Address for communications	<input type="text" value="Polaris House
North Star Avenue
Swindon, SN2 1FL"/>
Address for electronic communications	<input type="text" value="STFCProcurement@ukri.org"/>
The works are	<input type="text" value="Contract UKRI-3419 for ASPIRE2 Solar PV and Canopies:
Design, Supply, Construction and Commissioning Works"/>
The site is	<input type="text" value="R106 Car Park, Road 8, Rutherford Appleton Laboratory, Harwell
Campus, Didcot"/>
The starting date is	<input type="text" value="13<sup>th</sup> March 2024"/>
The completion date is	<input type="text" value="20<sup>th</sup> December 2024"/>
The delay damages are	<input type="text" value="FOIA Section 43 Commercial"/> per day
The period for reply is	<input type="text" value="3"/> weeks
The defects date is	<input type="text" value="6 months"/> weeks after Completion
The defect correction period is	<input type="text" value="7 days for serious defects
24 hrs for emergency defects"/> days
The assessment day is the	<input type="text" value="20<sup>th</sup>"/> of each month
The retention is	<input type="text" value="FOIA Section 43 Commercial"/> %

The United Kingdom Housing Grants, Construction and Regeneration Act (1996) does/does not apply (delete as applicable)

The Adjudicator is

Name	<input type="text" value="The Institution of Civil Engineers"/>
Address for communications	<input type="text" value="The ICE independently nominates our dispute resolvers for
dispute resolution on behalf parties to maintain impartiality.

To ensure complete impartiality within our nominations we
nominate from a cab rank and choose the dispute resolver based
on the specifications provided by the applicant."/>
Address for electronic communications	<input type="text" value="FOIA Section 40 Personal Information"/>

The interest rate on late payment is % per complete week of delay.

Insert a rate only if a rate less than 0.5% per week of delay has been agreed.

The *Client* provides this insurance

Only enter details here if the *Client* is to provide insurance.

The minimum amount of cover for the third insurance stated in the Insurance Table is, for any one event

The minimum amount of cover for the fourth insurance stated in the Insurance Table is, for any one event

Is the *Contractor's* obligation for design to use the skill and care normally used by professionals designing works similar to the *works*?

Yes / No (delete as applicable)

The *Contractor* provides the following insurance cover

INSURANCE AGAINST	MINIMUM AMOUNT OF COVER	PERIOD FOLLOWING COMPLETION OR EARLIER TERMINATION
Liability of the <i>Contractor</i> for claims made against it arising out of its failure to use the skill and care normally used by professionals designing works similar to the <i>works</i>	£2m	
	in respect of each claim and in the aggregate	

Only enter details here if design is to be prepared by the *Contractor* using the skill and care normally used by professionals providing designs.

For any one event, the liability of the *Contractor* to the *Client* for loss of or damage to the *Client's* property is limited to

£5m

The *Contractor's* total liability to the *Client* which arises under or in connection with the contract is limited to

£5m

The *Adjudicator nominating body* is

The Institution of Civil Engineers

The *tribunal* is

Adjudication

If the *tribunal* is arbitration, the arbitration procedure is

The *conditions of contract* are the NEC4 Engineering and Construction Short Contract June 2017 (with amendments January 2023) and the following additional conditions

Only enter details here if additional conditions are required.

X Clauses refer to Section 1.4 X10, X15, X20
Y Clauses refer to Section 1.5 Y(UK)2
Z Clauses refer to Section 1.6

1.3 The Contractor's Contract Data

The Contractor is

Name	Vital Energi Utilities Limited
Address for communications	Century House Roman Road Blackburn BB1 2LD
Address for electronic communications	FOIA Section 40 Personal Information
The fee percentage is	FOIA Section 43 Commercial %

The people rates are

category of person	FOIA Section 43 Commercial
Cost Managers/Quantity Surveyors - pre start	
Project Manager - pre start	
Planner - pre start	
Health and Safety Manager - pre start	
Commercial Manager - pre start	
Project Manager	
Quality Manager	
Planner	
Health and Safety Manager	
Commercial manager	
Quantity Surveyor	
Labourer	
Admin/Doc Controller	

The *published list of Equipment* is

The *percentage for adjustment for Equipment* is plus % (state
 or minus)

1.4 X Clauses

X10: Information modelling

If Option X10 is used

If no *information execution plan* is identified in part two of the Contract Data

The period after the Contract Date within which the *Contractor* is to submit a first

Information/BIM Execution Plan for acceptance is

30/04/2024

The minimum amount of insurance cover for claims made against the *Contractor* arising out of its failure to use the skill and care normally used by professionals providing

Information similar to the Project Information is, in respect of each claim and in the aggregate

£2,000,000

The period following Completion of the whole of the *works* or earlier termination for which the *Contractor* maintains insurance for claims made against it arising out of its failure to use the skill and care is

6 years

X15: The Contractor's design

If Option X15 is used

The *period for retention* following Completion of the whole of the *works* or earlier termination is 6 years

The minimum amount of insurance cover for claims made against the *Contractor* arising out of its failure to use the skill and care normally used by professionals designing works similar to the *works* is, in respect of each claim and in the aggregate

£2,000,000

The period following Completion of the whole of the *works* or earlier termination for which the *Contractor* maintains insurance for claims made against it arising out of its failure to use the skill and care is

6 years

X20: Key Performance Indicators (not used with Option X12)

If Option X20 is used

The *incentive schedule* for Key Performance Indicators is in

4.0 Client Scope S1500

A report of performance against each Key Performance

1 month

Indicator is provided at intervals of

1.5 Y Clauses

Y(UK)2: The Housing Grants, Construction and Regeneration Act 1996

If Option Y(UK)2 is used and the final date for payment is not fourteen days after the date on which payment becomes due

The period for payment is 21

days after the date on which payment becomes due

1.6 Additional Z Clauses

Z.1 Freedom of Information Act and the Environmental Information Regulations

Z.1.1 The Contractor shall provide all assistance to enable the Client and/or its clients to comply with any request received under the Freedom of Information Act 2000 and/or the Environmental Information Regulations should either be applicable to the Client.

Z.1.2 In no event shall the Contractor or its Subcontractors respond directly to a Request for Information unless expressly authorised to do so by the Client.

Z 2 Transparency

Z.2.1 In order to comply with the Government's policy on transparency in the areas of procurement and contracts the Contractor agrees that the Client and the sourcing documents issued by the Client which led to its creation will be published by the Client on a designated web site.

Z.2.2 The entire Contract and all the sourcing documents issued by the Client will be published on the designated web site save where to do so would disclose information the disclosure of which would:

- (i) contravene a binding confidentiality undertaking that protects information which the Client, at the time when it considers disclosure, reasonably considers to be confidential to the Contractor;
- (ii) be contrary to regulation 21 of the Public Contracts Regulations 2015 as amended; or
- (iii) in the reasonable opinion of the Client be prevented by virtue of one or more of the exemptions in the FOIA or one or more of the exceptions in the Environmental Information Regulation (EIR).

Z.2.3 If any of the situations in (i), (ii), (iii) apply the Contractor consents to the Contract or sourcing documents being redacted by the Client to the extent necessary to remove or obscure the relevant material and being published on the designated website subject to those redactions.

Z.2.4 In this entire clause the expression "sourcing documents" means the advertisement issued by the Client seeking expressions of interest, any pre-qualification questionnaire stage and the invitation to tender.

Z.3 Termination

Z.3.1 The Client may terminate the Contract by written notice to the Contractor in any of the following circumstances:

- (i) Where it considers that the Contract has been subject to a substantial modification which would have required a new procurement procedure in accordance with Regulation 72(9) of the Public Contracts Regulations 2015(as amended) ("PCR 2015");
- (ii) Where it considers that the Contractor has at the time of the award of the Contract been in one of the situations referred to in Regulation 57(1) of the PCR 2015, including as a result of the application of regulation 57(2), and should therefore have been excluded from the procurement procedure;
- (iii) Where a third party starts court proceedings against the Client seeking a declaration that the Contract is ineffective or should be shortened under Regulations 98 to 101 of the PCR 2015, which the Client considers have a reasonable prospect of success.

Z.4 Payment to other parties

Z.4.1 The Contractor shall ensure, pursuant to obligations imposed on the Client under Regulation 113(2)(c) of the Public Contracts Regulations 2015 (as amended), that any subcontract awarded by the Contractor contains suitable provisions to impose, as between the parties to the subcontract, requirements that:

- (i) any payment due from the Contractor to the subcontractor under the subcontract is to be made no later than the end of a period of 30 days from the date on which the relevant invoice is regarded as valid and undisputed;
- (ii) any invoices for payment submitted by the subcontractor are considered and verified by the Contractor in a timely fashion and that undue delay in doing so is not to be sufficient justification for failing to regard an invoice as valid and undisputed; and
- (iii) any subcontractor will include, in any subcontract which it in turn awards, suitable provisions to impose, as between the parties to that subcontract, requirements to the same effect as those imposed in paragraphs (i), (ii) and (iii) of this Clause 4, subject to suitable amendment to reflect the identities of the relevant parties.

Z.4.2 For the avoidance of doubt, in any situations that the Client is making payments to the Contractor without being presented with an invoice, the absence of an invoice does not waive any obligation regarding payments made by the Contractor to its subcontractors or supply chain.

Z.5 Sub-contractors

Z.5.1 The Client may (without cost to or liability of the Client) require the Contractor to replace any subcontractor where in the reasonable opinion of the Client any mandatory or discretionary grounds for exclusion referred to in Regulation 57 of the Public Contracts Regulations 2015 (as amended) apply to the subcontractor.

Z.6 Modern Slavery Act 2015

Z.6.1 The Contractor shall not use, or allow its Subcontractors to use, forced, bonded or involuntary prison labour.

Z.6.2 The Contractor shall not require any Contractor staff or Subcontractor staff to lodge deposits or identify papers with the Client or deny Contractor staff freedom to leave their client after reasonable notice.

Z.6.3 The Contractor warrants and represents that it has not been convicted of any slavery or human trafficking offences anywhere around the world.

Z.6.4 The Contractor warrants that to the best of its knowledge it is not currently under investigation, inquiry or enforcement proceedings in relation to any allegation of slavery or human trafficking offenses anywhere around the world.

Z.6.5 The Contractor shall make reasonable enquiries to ensure that its officers, employees and Subcontractors have not been convicted of slavery or human trafficking offences anywhere around the world.

Z.6.6 The Contractor shall have and maintain throughout the term of each Contract its own policies and procedures to ensure its compliance with the Modern Slavery Act 2015 and shall include in its contracts with its Subcontractors anti-slavery and human trafficking provisions.

Z.6.7 The Contractor shall implement due diligence procedures to ensure that there is no slavery or human trafficking in any part of its supply chain performing obligations under a Contract.

Z.6.8 The Contractor shall not use, or allow its employees or Subcontractors to use, physical abuse or discipline, the threat of physical abuse, sexual or other harassment and verbal abuse or other forms of intimidation of its employees or Subcontractors.

Z.6.9 The Contractor shall not use, or allow its Subcontractors to use, child or slave labour.

Z.6.10 The Contractor shall report the discovery or suspicion of any slavery or trafficking by it or its Subcontractors to the Client without delay during the performance of this Contract to utilise the following help and advice service, so as to ensure that it suitably discharges its statutory obligations.

Z.6.11 The "Modern Slavery Helpline" refers to the point of contact for reporting suspicion, seeking help or advice and information on the subject of modern slavery available online at <https://www.modernslaveryhelpline.org/report> or by telephone on 08000 121 700.

Z.6.12 The Contractor agrees that during any term or extension it shall complete and return a slavery and trafficking report as advised below, covering the following, but not limited to areas as relevant and proportionate to the Contract evidencing the actions taken, relevant to the Contractor and your supply chain associated with this Contract:

- (i) Impact assessments undertaken
- (ii) Steps taken to address risk/actual instances of modern slavery and how actions have been prioritised
- (iii) Evidence of stakeholder engagement
- (iv) Evidence of ongoing awareness training
- (v) Business-level grievance mechanisms in place to address modern slavery
- (vi) Actions taken to embed respect for human rights and zero tolerance of modern slavery throughout the organisation

Z.6.13 The Client reserve the right to audit any and all slavery and trafficking reports submitted by the Contractor to an extent as deemed necessary and the Contractor shall unreservedly assist Client in doing so.

Z.6.14 Note: The Client also reserves the right to amend or increase these frequencies, as it deems necessary to secure assurance in order to comply with the Modern Slavery Act.

The Client requires such interim assurances to ensure that the Contractor is compliant and is monitoring its supply chain, so as to meet the requirements of the Modern Slavery Act.

Z.6.15 The Contractor agrees that any financial burden associated with the completion and submission of this report and associated assistance at any time, shall be at the Contractors cost to do so and will not be reimbursable.

Z.7 Taxation obligations of the Contractor

Z.7.1 The relationship between Client and the Contractor shall be that of "independent contractor" which means that the Contractor is not a Client employee, worker, agent or partner, and the Contractor shall not give the impression that they are.

Z.7.2 As this is not an employment Contract, the Contractor shall be fully responsible for all their own tax, including any national insurance contributions arising from carrying out the Services.

- (i) The Contractor in respect of consideration received under this Contract, the Contractor shall at all times comply with the Income Tax (Earnings and Pensions) Act 2003 (ITEPA) and all other statutes and regulations relating to income tax in respect of that consideration.

(ii) Where the Contractor is liable to National Insurance Contributions (NICs) in respect of consideration received under this Contract, it shall at all times comply with the Social Security Contributions and Benefits Act 1992 (SSCBA) and all other statutes and regulations relating to NICs in respect of that consideration.

(iii) The Client may, at any time during the term, completion extension or post termination of this Contract, request the Contractor to provide information which demonstrates how the Contractor complies with its obligations under tax and National insurance Clauses (i) and (ii) above or why those Clauses do not apply to it.

Z.7.3 A request under Clause (3) above may specify the information which the Contractor shall provide and the period within which that information must be provided.

Z.7.4 In the case of a request mentioned in clause Z.7.3 above, the provision of inadequate information or a failure to provide the information within the requested period, during any term or extension, may result in the Client terminating the Contract.

Z.7.5 Any obligation by the Contractor to comply with clause Z.7.1, 2 & 3 shall survive any term, extension, completion or termination and the Contractor's obligations to Indemnify the Client shall survive without limitation until such time as any of these obligations are complied with.

Z.7.6 The Client may supply any information, including which it receives under clause Z.7.3 to the Commissioners of Her Majesty's Revenue and Customs for the purpose of the collection and management of revenue for which they are responsible.

Z.7.7 If the Client has to pay any such obligations owed by the Contractor under clauses Z.7.1 & 2 then the Contractor shall pay back to the Client in full, any money that the Client has to pay, and the Contractor shall also pay back the Client for any fine or compensate the Client for any other punishment imposed on the Client because the tax or national insurance due was not paid by the Contractor.

Z.8 Assignment and Subcontracting

Z.8.1 The Client or UK SBS acting as an agent on behalf of the Client may at any time assign, transfer, charge, subcontract or deal in any other manner with any or all of their rights or obligations under the Contract.

Z.8.2 The Contractor may not assign, transfer, charge, subcontract or deal in any other manner with any or all of its rights or obligations under the Contract, without prior written consent from the Client or UK SBS, acting as an agent on behalf of the Client. Written consent will not be unreasonably withheld from the Client.

Z.8.3 The Client or UK SBS acting as an agent on behalf of the Client may (without cost to or liability of the Client or UK SBS) require the Contractor to replace any subcontractor where in the reasonable opinion of the Client or UK SBS acting as an agent on behalf of the Client any mandatory or discretionary grounds for exclusion referred to in Regulation 57 of the Public Contracts Regulations 2015 (as amended) apply to the subcontractor

Z.9 Collateral Warranties

Z.9.1 The Contractor and the Contractor's sub-consultants and sub-contractors, identified in the Scope, will be required to enter into Collateral Warranties substantially in the forms set out in this contract, subject to agreement of the wording between the parties.

Z.9.2 The Contractor, within 14 days of the Client request duly executes and delivers to the Client deeds of warranty in the appropriate form set out in this contract.

Z.9.3 Collateral Warranties in the wording as laid out in this contract, will be required for each designer employed by the Contractor (including subcontractors with design input).

Z.9.4 The warranties and undertakings contained in this contract shall be without prejudice to any warranties implied by Common Law or Statute.

Z.9.5 Collateral Warranty beneficiary shall be UK Research and Innovation.

Z.10 Pre Construction Works Information

Z.10.1 Notwithstanding that information has been made available by the Client at the pre-construction stage, the Client accepts no responsibility for its accuracy or completeness. The information will be deemed to have been checked and validated by the Contractor who will have the same liability as if it had prepared the information or caused it to be prepared by himself.

Z.10.2 Where information is not available at the pre-construction stage, the Contractor shall make due allowances based on assumptions, where he reasonably can, and the Contractor shall identify these assumptions as part of his proposals. This clause will not prohibit the Contractor from entitlement to programme and/or additional costs as a Compensation Event should any of the assumptions become inaccurate whilst the Contractor is undertaking the works.

Z.11 Design Check Certificate

Z.11.1 All design prepared by the Contractor and submitted to the Client is supported by a design check certificate signed by an appropriately qualified and experienced engineer other than the individual engineer who prepared the design, but, whom can be from within the same design organisation.

Z.12 Standards

Z.12.1 The Contractor complies with Standards including all European Standards, British Standards and International Standards and associated codes of practice as required to enable the Contractor to provide the Services in accordance with Good Industry Practice, the European Union (Withdrawal Agreement) Act 2020, designated standards for construction products (www.gov.uk), UK product marking guidance (<https://www.gov.uk/guidance/using-the-ukca-marking>) and this contract.

Z.13 Off-site Manufacture

Z.13.1 Where Materials are manufactured off-site and/or design services or other preliminary expenditure is undertaken as part of the Works and the Contractor provides the Client with evidence of the Contractor's expenditure in respect of such items and subject to the Client's reasonable satisfaction the Contractor shall be reimbursed for these items.

The evidence the Contractor will be required to provide will be vesting certificates for any manufacturing off-site. For payment, the Contractor will need to identify these items on the Activity Schedule.

Z.14 Testing and Defects Definition

Z.14.1 The "Serious" defects referred to in Client's Contract Data can be defined as a defect that does not restrict the operation of the building and is required to be rectified, or at least reasonably responded to within seven days.

Z.14.2 The "Emergency" defects referred to in Client's Contract Data can be defined as a defect that prohibits the operation of the infrastructure and is required to be rectified, or at least reasonably responded to within twenty four hours.

Z.15 Timber Procurement Policy

Z15.1 Requirements for Timber

1 All Timber and wood-derived products supplied or used by the Contractor in performance of the contract (including all Timber and wood-derived products supplied or used by subcontractors) shall comply with the contract Specification.

2 In addition to the requirements of clause 1.1 above, all Timber and wood-derived products supplied or used by the Contractor in performance of the contract (including all Timber and wood-derived products supplied or used by subcontractors) shall originate from a forest source where management of the forest has full regard for:

- (i) Identification, documentation and respect of legal, customary and traditional tenure and use rights related to the forest;
- (ii) Mechanisms for resolving grievances and disputes including those relating to tenure and use rights, to forest management practices and to work conditions; and
- (iii) Safeguarding the basic labour rights and health and safety of forest workers.

Z15.2. Requirements for Proof of Timber Origin

2.1 If requested by the Client, and not already provided at the tender evaluation stage, the Contractor shall provide to the Client formal evidence that the Timber and wood-derived products supplied or used in the performance of the contract complies with the requirements of the contract Specification. If requested by the Client the Contractor shall provide to the Client evidence that the Timber and wood-derived products supplied or used in the performance of the contract complies with the requirements of the social criteria defined in section 1.2 above.

2.2 The Client reserves the right at any time during the execution of the contract and for a period of 6 years from final delivery under the contract to require the Contractor to produce the evidence required for the Client's inspection within 14 days of the Client's written request.

2.3 The Contractor shall maintain records of all Timber and wood-derived products delivered to and accepted by the Client. Such information shall be made available to the Client if requested, for a period of 6 years from final delivery under the contract.

Z15.3. Independent Verification

3.1 The Client reserves the right to decide whether the evidence submitted to it demonstrates that the Timber and wood-derived products comply with the Contract Specification. The Client reserves the right to decide whether the evidence submitted to it is adequate to satisfy the Client that the Timber and wood-derived products comply with the requirements of the social criteria defined in section 1.2 above.

3.2 In the event that the Client is not completely satisfied, the Contractor shall commission and meet and absorb all associated costs of an 'independent verification' and resulting report that will (a) verify the forest source of the Timber and wood-derived products and (b) assess whether the source meets the relevant criteria.

3.3 In this contract, 'Independent Verification' means that an evaluation is undertaken and reported by an individual or body whose organisation, systems and procedures conform to ISO Guide 65:1996 (EN 45011:1998) General requirements for bodies operating product certification systems or equivalent, and who is accredited to audit against forest management standards by a body whose organisation, systems and procedures conform to ISO 17011: 2004 General Requirements for Providing Assessment and Accreditation of Conformity Assessment Bodies or equivalent.

Z.15.4 The Client's Right to Reject Timber

4.1 The Client reserves the right to reject any Timber and wood-derived products that do not comply with the Contract Specification the Client reserves the right to reject any Timber and wood-derived products that do not comply with the requirements of the social criteria defined in section 1.2 above.

4.2 Where the Client exercises its right to reject any Timber and wood-derived products, the Contractor shall supply alternative Timber and wood-derived products, which do so comply, at no additional cost to the Client and without causing delay to the contract completion period.

Z.16 PPN 14/15 (Z.16 WILL NOT APPLY TO THIS CONTRACT)

Z.16.1 All contracts that are for above £10M and exceeding 12 months shall have regard to Procurement Policy Note 14/15 August 2015 Supporting Apprenticeships and Skills Through Public Procurement.

Z.17 Design Responsibility

Z.17.1 The Contractor designs all of the works that the Scope states he is to design. The Contractor reviews and verifies the designs of the parts of the works designed by or on behalf of the Client and ensures that the designs of all parts of the works are fully integrated and co-ordinated. Without any entitlement to an addition to the Prices and/or an adjustment to the Completion Date, the Contractor advises those suppliers carrying out design work on the practical implications, the integration and the co-ordination of the design of the works and the Project. The Client makes no representation as to the accuracy of any reports and/or surveys provided to the Contractor and, notwithstanding any other provision of this contract, the Contractor accepts entire responsibility for the design, integration and co-ordination of the design for all parts of the works and the Project and for any mistake, inaccuracy, discrepancy or omission contained in the design for the works and the Project and is not entitled to any additional payments (whether by way of addition to the Prices or as damages for breach of contract or in tort (including negligence)) or for any change to the Completion Date in respect the same or any actions required to be taken by the Contractor to deal with the same.

Z.18 Admittance to Site

18.1 The *Contractor* submits to the *Project Manager* details of people who are to be employed by it and its Subcontractors in Providing the Works. The details include a list of names and addresses, the capabilities in which they are employed, and other information required by the *Project Manager*.

18.2 The *Project Manager* may instruct the *Contractor* to take measures to prevent unauthorised persons being admitted to the Site.

18.3 Employees of the *Contractor* and its Subcontractors are to carry a *Client's* pass and comply with all conduct requirements from the *Client* whilst they are on the parts of the Site identified in the Scope.

18.4 The *Contractor* submits to the *Project Manager* for acceptance a list of the names of the people for whom passes are required. On acceptance, the *Project Manager* issues the passes to the *Contractor*. Each pass is returned to the *Project Manager* when the person no longer requires access to that part of the Site or after the *Project Manager* has given notice that the person is not to be admitted to the Site.

18.5 The *Contractor* does not take photographs of the Site or of work carried out in connection with the *works* unless it has obtained the acceptance of the *Project Manager*.

18.6 The *Contractor* takes the measures needed to prevent its and its Subcontractors' people taking, publishing or otherwise circulating such photographs.

Z.100 GDPR

The *Client* and the *Contractor* shall comply with the provisions of the following Schedules.

Contract: this contract; R121 NQCC Main Works Contract

Contractor Personnel: means all directors, officers, employees, agents, consultants and *Contractors* of the *Contractor* and/or of any Subcontractor engaged in the performance of its obligations under this Contract.

GDPR Clause Definitions:

Data Protection Legislation:

- (i) the GDPR, the LED and any applicable national implementing Laws as amended from time to time;
- (ii) the DPA 2018 subject to Royal Assent to the extent that it relates to processing of personal data and privacy;
- (iii) all applicable Law about the processing of personal data and privacy.

Data Protection Impact Assessment: an assessment by the *Client* of the impact of the envisaged processing on the protection of Personal Data.

Client, *Contractor*, Data Subject, Personal Data, Personal Data Breach, Data Protection Officer take the meaning given in the GDPR.

Data Loss Event: any event that results, or may result, in unauthorised access to Personal Data held by the *Contractor* under this Contract, and/or actual or potential loss and/or destruction of Personal Data in breach of this Contract, including any Personal Data Breach.

Data Subject Request: a request made by, or on behalf of, a Data Subject in accordance with rights granted pursuant to the Data Protection Legislation to access their Personal Data.

DPA 2018: Data Protection Act 2018

GDPR: the General Data Protection Regulation (Regulation (EU) 2016/679)

LED: Law Enforcement Directive (Directive (EU) 2016/680)

Protective Measures: appropriate technical and organisational measures which may include: pseudonymising and encrypting Personal Data, ensuring confidentiality, integrity, availability and resilience of systems and services, ensuring that availability of and access to Personal Data can be restored in a timely manner after an incident, and regularly assessing and evaluating the effectiveness of such measures for this Contract.

Subcontractor: any third party appointed to process Personal Data on behalf of the *Contractor* related to this Contract.

1. DATA PROTECTION

1.1 The Parties acknowledge that for the purposes of the Data Protection Legislation, the Client is the Controller and the Contractor is the Processor unless otherwise specified in Clause. The only processing that the Contractor is authorised to do is listed in this Clause by the Client and may not be determined by the Contractor.

1.2 The Contractor shall notify the Client immediately if it considers that any of the Client's instructions infringe the Data Protection Legislation.

1.3 The Contractor shall provide all reasonable assistance to the Client in the preparation of any Data Protection Impact Assessment prior to commencing any processing. Such assistance may, at the discretion of the Client, include:

- (a) a systematic description of the envisaged processing operations and the purpose of the processing;
- (b) an assessment of the necessity and proportionality of the processing operations in relation to the works;
- (c) an assessment of the risks to the rights and freedoms of Data Subjects; and
- (d) the measures envisaged to address the risks, including safeguards, security measures and mechanisms to ensure the protection of Personal Data.

1.4 The Contractor shall, in relation to any Personal Data processed in connection with its obligations under this Contract:

- (a) process that Personal Data only in accordance with Clause, unless the Contractor is required to do otherwise by Law. If it is so required the Contractor shall promptly notify the Client before processing the Personal Data unless prohibited by Law;
- (b) ensure that it has in place Protective Measures, are appropriate to protect against a Data Loss Event, which the Client may reasonably reject (but failure to reject shall not amount to approval by the Client of the adequacy of the Protective Measures), having taken account of the:
 - (i) nature of the data to be protected;
 - (ii) harm that might result from a Data Loss Event;
 - (iii) state of technological development; and
 - (iv) cost of implementing any measures;
- (c) ensure that:
 - (i) the Contractor Personnel do not process Personal Data except in accordance with this Contract (and in particular Schedule [X]);
 - (ii) it takes all reasonable steps to ensure the reliability and integrity of any Contractor Personnel who have access to the Personal Data and ensure that they:
 - (A) are aware of and comply with the Contractor's duties under this clause;
 - (B) are subject to appropriate confidentiality undertakings with the Contractor or any Sub-Contractor;
 - (C) are informed of the confidential nature of the Personal Data and do not publish, disclose or ta to any third Party unless directed in writing to do so by the Client or permitted by this Contract; and
 - (D) have undergone adequate training in the use, care, protection and handling of Personal Data; and
- (d) not transfer Personal Data outside of the EU unless the prior written consent of the Client has

been obtained and the following conditions are fulfilled:

- (i) the Client or the Contractor has provided appropriate safeguards in relation to the transfer (whether in accordance with GDPR Article 46 or LED Article 37) as determined by the Client;
- (ii) the Data Subject has enforceable rights and effective legal remedies;
- (iii) the Contractor complies with its obligations under the Data Protection Legislation by providing an adequate level of protection to any Personal Data that is transferred (or, if it is not so bound, uses its best endeavours to assist the Client in meeting its obligations); and
- (iv) the Contractor complies with any reasonable instructions notified to it in advance by The Client with respect to the processing of the Personal Data;
- (e) at the written direction of the Client, delete or return Personal Data (and any copies of it) to the Client on termination of the Contract unless the Contractor is required by Law to retain the Personal Data.

1.5 Subject to clause 1.6, the Contractor shall notify the Client immediately if it:

- (a) receives a Data Subject Request (or purported Data Subject Request);
- (b) receives a request to rectify, block or erase any Personal Data;
- (c) receives any other request, complaint or communication relating to either Party's obligations under the Data Protection Legislation;
- (d) receives any communication from the Information Commissioner or any other regulatory authority in connection with Personal Data processed under this Contract;
- (e) receives a request from any third Party for disclosure of Personal Data where compliance with such request is required or purported to be required by Law; or
- (f) becomes aware of a Data Loss Event.

1.6 The Contractor's obligation to notify under clause 1.5 shall include the provision of further information to the Client in phases, as details become available.

1.7 Taking into account the nature of the processing, the Contractor shall provide the Client with full assistance in relation to either Party's obligations under Data Protection Legislation and any complaint, communication or request made under clause 1.5 (and in so far as possible within the timescales reasonably required by the Client) including by promptly providing:

- (a) the Client with full details and copies of the complaint, communication or request;
- (b) such assistance as is reasonably requested by the Client to enable the Client to comply with a Data Subject Request within the relevant timescales set out in the Data Protection Legislation;
- (c) the Client, at its request, with any Personal Data it holds in relation to a Data Subject;
- (d) assistance as requested by the Client following any Data Loss Event;
- (e) assistance as requested by the Client with respect to any request from the Information Commissioner's Office, or any consultation by the Client with the Information Commissioner's Office.

1.8 The Contractor shall maintain complete and accurate records and information to demonstrate compliance with this clause. This requirement does not apply where the Contractor employs fewer

- (a) the Client determines that the processing is not occasional;
- (b) the Client determines the processing includes special categories of data as referred to in Article 9(1) of the GDPR or Personal Data relating to criminal convictions and offences referred to in Article 10 of the GDPR; or
- (c) the Client determines that the processing is likely to result in a risk to the rights and freedoms of Data Subjects.

1.9 The Contractor shall allow for audits of its Data Processing activity by the Client or the Client's designated auditor.

1.10 Each Party shall designate its own data protection officer if required by the Data Protection Legislation.

1.11 Before allowing any Subcontractor to process any Personal Data related to this Contract, the Contractor must:

- (a) notify the Client in writing of the intended Subcontractor and processing;
- (b) obtain the written consent of the Client;
- (c) enter into a written Contract with the Subcontractor whom shall confirm in writing that the terms set out in this clause apply to the Subcontractor.
- (d) provide the Client with such information regarding the Subcontractor as the Client may reasonably require.

1.12 The Contractor shall remain fully liable for all acts or omissions of any of its Sub-Contractors.

1.13 The Client may, at any time on not less than 30 Working Days' notice, revise this clause by replacing it with any applicable Client to Contractor standard clauses or similar terms forming part of an applicable certification scheme (which shall apply when incorporated by attachment to this Contract).

1.14 The Parties agree to take account of any guidance issued by the Information Commissioner's Office. The Client may on not less than 30 Working Days' notice to the Contractor amend this act to ensure that it complies with any guidance issued by the Information Commissioner's office.

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

This Schedule shall be completed by the *Client*, who may take account of the view of the *Contractors*, however the final decision as to the content of this Schedule shall be with the *Client* at its absolute discretion.

- (i) The contact details of the *Client's* Data Protection Officer are: UKRI to provide contact details after the award of contract.
- (ii) The contact details of the *Contractor's* Data Protection Officer are: *Contractor* to provide contact details within 3 weeks of contract commencement.
- (iii) The *Contractor* shall comply with any further written instructions with respect to processing by the *Client*.

- (iv) Any such further instructions shall be incorporated into this Schedule.

Description	Details
Identity of the Controller and Processor	The Parties acknowledge that for the purposes of the Data Protection Legislation, the <i>Client</i> is the Controller and the <i>Contractor</i> is the Processor in accordance with Clause 1.1.
Subject matter of the processing	Design, construction and commissioning of the National Quantum Computer Centre (NQCC) building and external works, located at the Rutherford Appleton Laboratory, Harwell Campus, Didcot. The NQCC building be a national centre with the aim of working towards fully scalable, fault tolerant, general purpose quantum computing.
Duration of the processing	Refer to the Contract.
Nature and purposes of the processing	The design, construction and commissioning of the National Quantum Computing project as defined in the Contract.
Type of Personal Data being Processed	May include: names, address, dates of birth, NI numbers, telephone numbers, pay, images, biometric data
Categories of Data Subject	Staff (<i>Contractor's</i> , <i>Client's</i> and Sub, <i>Contractors</i>), suppliers, students / pupils, members of the public
Plan for return and destruction of the data once the processing is complete	To be detailed in the <i>Contractor's</i> quality plan

1.7 Pricing Document

Document Name	Document Reference	Revision
Q3.1 ASPIRE2 Carpark PV Costs ITT Submission	Q3.1 ASPIRE2 Carpark PV Costs ITT Submission.pdf	V1.2

1.8 Programme

Document Name	Document Reference	Revision
Contractor's programme	VQ 20020_Aspire 2 Car Park_Contract Programme_C1.pdf	C1

1.9 Warranty Templates

Document Name	Document Reference	Revision
Template not required.	Note: Warranties to be provided by equipment suppliers as part of handover documentation	

2.0 Site Information

The following documents provide site information:

Document Name	Document Reference	Revision
100 Topographical		
101 RAL Site Plan_06-2023		
200 Utility Records		
201 RAL Utility and Topo Survey U09009 REVISED		
202 RAL Unrecorded Utilities		
300 Ecological Assessment		
301 Preliminary Ecological Appraisal	W5360_rep_Solar PV Canopy	25/09/2023
400 Arboricultural Reports		
401 Tree Survey Report		07/07/2023
402 Tree Constraints Plan		
403 Arboricultural Impact Assessment (AIA)	Not yet issued	
500 Ground Investigation		
501 P14 V2478 R105_106 Desk Study Report 2014 11 11		
502 P14 V2478 R105_106 Ground Investigation Report 2014 11 03		
503 P14 V2478 R105_106 Final LVIA 27.02.2015 Report Only		
600 R105/R106 As Built Drawings		
601 Car Park General Arrangement	R105-CNM-B1-155-P-00	AB
602 Services As Built	R105 C439_AC_002A	AB
603 P17 V1644 Landscape Plan Discharged Condition	P121-AL-Landscaping-05 DIS	
604 P17 V1644 R105_106 Ext Lighting & Security Layout Discharged	5137-EL-301 DIS	
700 Wind Farm As Built Drawings		
701 14kW wind turbine G59 export diagram	15_WS0022 H15 Class IV 3 phase 14kw	
702 G59/3 Certificate	GFI110-320_22082017-1UKG59-3	22/08/2017
703 Indicative Wind Turbine to R111 Cable Route	14_6436_C_0046_1	
800 Pre Construction Information		
800 Preconstruction Information	502214-RDG-XX-XX-T-HS-710001	C02

3.0 Boundaries of the Site

The following documents detail the boundaries of the site:

Document Name	Document Reference	Revision
Site Location Plan	5022514-RDG-XX-XX-D-A-010000-C03-SITE LOCATION PLAN	C03
Site Boundary	5022514-RDG-XX-XX-D-A-010001-C01-CONSTRUCTION SITE BOUNDARY PLAN	C01

4.0 Client's Scope

S 100 Description of the works

S 101 Project Objectives

To complete the works for the Client safely for all those involved in accordance with the Scope, Contract Programme and within the agreed total of the Prices.

S 102 Description of the works

Design, construction and commissioning of car park canopy solar PV and associated electrical and external works located at Building R105/106 car park, Road 8, Rutherford Appleton Laboratory, Harwell Campus, Didcot. The solar PV will provide renewable power to the adjacent research compound.

The works will comprise of the design, construction and commissioning of solar PV, canopy structure and associated electrical works, but not limited to, the following:

- Project management, design, construction and commissioning services
- Supply and install 330 number 445Wp panels providing up to 146kWp of renewable energy
- Solar PV panels to be supported on four steel canopies above an existing surface carpark.
- Design and construct foundations for steel PV canopies.
- Design and construct a new soakaway and drainage infrastructure from the solar PV canopies
- Design and construct foundations, underground ductwork and install solar PV inverter GRP enclosure, including supply/installation of solar PV inverters and associated electrical equipment
- Design and construct foundations, underground ductwork and install STFC electrical GRP enclosure and associated electrical equipment
- Connect the control and electrical infrastructure, data, fire and BMS from the solar PV GRP and the existing wind turbine to the STFC electrical GRP enclosure and ASPIRE2 electrical control modular unit.
- Design and replace electrical control, inverter, data and BMS infrastructure from the existing operational wind turbine and building R111 and route into the STFC electrical GRP enclosure
- Design and install LV cable, data and BMS between existing substation and STFC electrical GRP enclosure
- Design and modify incoming and outgoing LV supplies from existing Feeder Pillar 7 and the existing sub station
- Operational design of power supplies into adjacent ASPIRE2 process plant compound in order to operate in 'island mode' (100% renewables), 'simulation mode' or STFC 'grid mode' as required in the Client Scope.
- Prepare and submit a DNO G99 SAF Apply to Connect application
- Prepare and submit a Building Regulations application
- Remove three existing lighting poles and relocate two with extended LV supply
- Remove existing trees and plant new
- Design and install under canopy lighting
- Design and install electric vehicle charge points connected to BMS
- Design and install smoke/heat sensors connected back to BMS head end and fire alarm/beacon
- Design and install fibre/data cabling from existing R105/R106 comms room to STFC electrical GRC enclosure
- Make good car park, road and landscaping

The works are to be designed to:

- Comply with STFC design standards
- Comply with STFC Scope requirements

S 103 Procurement Route

This project has been commissioned using the Crown Commercial Services' RM3824 Heat Networks and Electricity Generation Assets framework using a single stage procurement process.

S 200 General constraints on how the *Contractor* Provides the Works

S 201 General constraints

In completing the works the *Contractor* is to comply with the following:

The Site is within a fully operational research campus (Rutherford Appleton Laboratory) and the *Contractor* shall notify the Client of any construction activities that may adversely impact upon the Client's operations, with respect to excessive access, dust, vibration, and noise. The *Contractor* shall also provide two week look ahead notices, identifying construction activities occurring in the following two weeks that may adversely impact upon the Client's operations, with respect to excessive access, dust, vibration, and noise

The *Contractor* shall operate within the defined parameters of Section 61 of the Control of Pollution Act 1974.

The working hours for the Site will be as follows:

- Monday to Friday: 0800hrs to 1800hrs
- Saturday: 0800hrs to 1800hrs
- Sun & Bank Holidays: No working without prior approval from the Client

Site access, storage, deliveries, parking, and transport / pedestrian routes are to be in accordance with the *Contractor's* logistic plan, approved by the Client, and if appropriate approved by the Vale of White Horse, prior to commencing the works.

Explosives and concrete crushers shall not be used on the campus. Heavy compaction plant and heavy construction plant shall not be used on Site unless operating during scientific maintenance shutdowns, because of the potential impact on adjacent science research activities.

The *Contractor* shall at all times comply with the requirements of the Environment Agency and shall not:

- Cause pollution of any river, stream, waterway, drain, watercourse, loch or other body of water so as to adversely affect the quality and appearance of the water or cause injury or death to animal or plant life.
- Affect any underground water resource (including percolating water) which would interfere with supply to or abstraction from a source or pollute a water source.
- Cause silting, erosion of beds or banks of any river, stream, waterway, drain, watercourse, loch or other body of water so as to adversely affect the quality and appearance of the water or cause injury or death to animal or plant life.

In addition to his statutory obligations the *Contractor* shall undertake the works in accordance with environmental best practice.

The *Contractor* shall take account of the following;

- CIRIA, SP 122 - Waste minimisation and recycling in construction
- CIRIA, C741 - Environmental good practice on site 3rd edition

The *Contractor* shall ensure that any washings and debris from construction activity are not allowed to enter any water course or drain.

The *Contractor* shall prepare and maintain a Construction Environmental Management Plan (CEMP).

S 202 Confidentiality

Confidentiality and publicity restrictions apply to this contract. The supplier shall not publish any information relating to this project without prior approval from the Client.

S 203 Security and protection of the Site

The *Contractor* shall comply with the STFC security protocols that apply to the RAL site.

The *Contractor* shall be responsible for any security measures which they consider necessary and adequate to safeguard the Site, the works products, Materials, Plant, and any existing buildings affected by the works from damage and theft and for the protection of the public. Take all reasonable precautions to prevent unauthorised access to the Site and the works.

The *Contractor* shall confine to the Site all persons employed on the works, including Sub-Contractors, keep all unauthorised persons off the Site, take all reasonable measures to safeguard the works against theft and provide, erect, maintain and alter as necessary appropriate temporary fences, barriers, hoardings and the like required for this purpose.

S 204 Security and identification of people

Temporary and 'contractor staff' site passes will be provided by RAL Security (Building R75). Visitors shall be booked in with RAL Security prior to arrival on the RAL campus.

The *Contractor's* staff, work people and Sub-Contractor's workpeople shall wear clear identification in the form of the *Contractor's* company name whilst on the Site at all times.

S 205 Protection of existing structures and utility services

The *Contractor's* attention is drawn to the existence of live underground services as identified in the Site Information.

The *Contractor* is responsible for ascertaining the exact location of all mains and services likely to be affected by the construction of the works and is responsible for the repair of any damage caused to existing services. The Contractor shall issue an existing and proposed utility drawing(s) in Adobe pdf and AutoCAD dwg formats.

The *Contractor* shall not cut, isolate or otherwise interrupt any existing services that are to be maintained without prior notification to and acceptance by the Project Manager.

Existing site services information can be seen in the Site Information however the Site Information is for information only and the *Contractor* is responsible for locating and protecting all services even if not identified in the Site information.

The Contractor shall comply with STFC's excavation permit and power isolation permit protocols.

S 206 Protection of the works

The *Contractor* shall be responsible for adequately protecting the works against damage arising from weather conditions, construction, other *Contractors*, warping, distortion, humidity or other environmental conditions, which would have an adverse effect upon the works. The *Contractor* shall

anticipate all possible damage, take all necessary steps to protect, including altering protection as necessary during the construction process.

S207 Protection of existing trees

The *Contractor* shall comply with the tree protection requirements detailed in the Site Information arboricultural documents.

S 208 Cleanliness of roads

The *Contractor* shall be responsible for maintaining the cleanliness of all highways approaching the Site access and RAL campus roads throughout the duration of the works. Any contamination of surrounding highways and RAL campus roads by Site traffic shall be removed immediately.

S 209 Traffic management

The *Contractor* shall be responsible for traffic management coordination to facilitate construction deliveries across the RAL and Harwell campuses to the Site. If construction deliveries impact on the Client's access to surrounding buildings the *Contractor* shall liaise with RAL Security and RAL Estates, in advance of any such deliveries, to co-ordinate deliveries.

Disruption to surrounding highway traffic shall be managed by the *Contractor* directly with STFC Security Local and/or the Highways Authority.

S 210 Condition survey

The *Contractor* is responsible for carrying out and providing a schedule of condition including photographic records, prior to commencing the works, for all areas of the Site and adjoining boundaries that relate to the works and the scope of which is to be agreed with the Project Manager and any relevant Parties.

The *Contractor* shall reinstate all Working Areas to their original condition that have been used by the *Contractor* for access, storage, parking or any other incidental use that was required in order for the *Contractor* to Provide the works. The extent of any reinstatement works is to be agreed with and shall be completed to the satisfaction of the Project Manager prior to Completion.

S 211 Considerations of others

The *Contractor* shall operate a "good neighbour" policy in organising the work, in particular operations that create noise, vibration or dust, shall notified to adjacent and nearby building users.

The *Contractor* shall take all reasonable precautions during the progress of the works to prevent or reduce nuisance caused by noise, dust and vibration to the users of adjacent properties and to the general public.

S 212 Control of works

The *Contractor* is responsible for controlling the works within the boundaries of the site.

S 213 Site cleanliness

The *Contractor* shall keep the site, works, and compound and access routes clean and tidy and remove any rubbish and debris as it occurs.

All site materials including waste shall be stored within the confines of the site area.

S 214 Considerate Constructors Scheme

The *Contractor* is not required to hold the Considerate Constructor accreditation.

S 215 Waste materials

The *Contractor* shall comply fully with all legislation, regulations and industry best practice in the recovery, handling, transfer, re-use, and recycling of Materials and other waste products arising from carrying out the works.

Generally, the *Contractor* is required to:

- Be proactive in supporting the Client's and *Contractor's* Designer to identify causes of waste within the design and agree methods of waste reductions;
- Work with sub-Contractors before starting on-Site to identify areas of waste and agree methods of waste reductions;
- Negotiate and agree reasonable wastage allowances with sub-Contractors, including requesting and documenting accurate waste forecasts from each sub-Contractor, within the SWMP;
- Explore and propose construction solutions which will enable a reduction in waste, including off Site construction options; and
- Develop and implement a logistics plan which addresses both where waste will arise and how it may be reduced. This is to be included within the SWMP and made available to the Client on request.

Maintaining SWMP on Site

The *Contractor* shall keep and maintain an up to date copy of the SWMP on Site and shall make the same available for updating by all Contractors and sub-Contractors as required during the project. The *Contractor* shall be responsible for ensuring that all relevant information is obtained from any sub-Contractors / suppliers.

Updating the SWMP during the project.

The *Contractor* shall update the SWMP from time to time as necessary; such updates to include:

- Review of the plan;
- Recording the types and quantities of waste produced;
- Recording the types and quantities of waste that have been :
 - Re-used;
 - Re-cycled;
 - Sent for another form of recovery;
 - Sent to landfill; or
 - Otherwise disposed
- Providing detail on whether the above processes were carried out on or off-Site;
- Sorting & Segregation of Materials

Waste Transfers

When waste is removed from the Site, the *Contractor* shall record a breakdown of the types of waste that are being moved; details of the person removing the waste; the waste carrier's registration number; details of the Site that the waste is being taken to; and details confirming that the operator of this Site either holds a permit under the Environmental Permitting (England and Wales) Regulations 2007 or is registered under the Regulations as being a waste operation exempt from the need for such a permit.

Storage of all Materials, including waste, shall be restricted to within the confines of the Site.

The *Contractor* shall also:

- Ensure that non-hazardous material is disposed of at a landfill approved by a Waste Regulation Authority;
- Segregation of waste for recycling off site.
- Retain waste transfer documentation on Site for inspection

Updated SWMP after Completion

The *Contractor* shall, within three months of the date of Completion, provide to the Project Manager an updated SWMP including:

- a statement confirming that the SWMP was monitored on a regular basis and in accordance with the Regulations
- an explanation of any deviation from the SWMP (if any)
- a comparison between the estimated quantities of each waste type, against the actual quantities of each waste type that were produced;
- an estimate of the cost savings that were achieved by implementing this plan

S 216 Client's access to the site

The *Contractor* shall provide controlled and safe access to the site for the Client's project staff and project team providing that the Client provides adequate notice to the Contractor.

S 300 Contractor's design

S 301 Design responsibility

The *Contractor's* Scope includes the design of the Works and interfaces with the Client's infrastructure.

The *Contractor* shall provide design using the reasonable skill, care and diligence to be expected of an appropriately qualified Architect or Design Consultant holding himself as having the competence, experience and resources necessary for the performance of such services.

S 302 Management / coordination of the design

Within two weeks of appointment, the *Contractor* shall issue for acceptance an Information Release Schedule and fully co-ordinated programme. Such schedules are to be updated in line with any revised programmes that may be issued in accordance with the contract.

Notwithstanding information that has been made available prior to contract, the *Contractor* is responsible for analysing the information made available and satisfy himself as to the quality, accuracy and completeness of any such information to ensure that he has sufficient information to develop the constructional aspects of the design, produce working drawings and details and undertake the construction of the works in accordance with the contract.

The *Contractor* shall ensure that his particulars of design are fully coordinated with his team, including but not limited to his design team, sub-contractors and suppliers, to ensure compliance with the Scope.

From time to time, the *Contractor* may also be required to coordinate his design with Others to ensure a fully coordinated and developed design

The *Contractor* shall ensure that where necessary his particulars of design have been checked and coordinated with Others prior to submission to the Project Manager for acceptance. The Project Manager will assist the *Contractor* in liaising with Others.

S 303 Design submission procedures and acceptance criteria

The approvals and requests for information shall be tracked by the Contractor and reviewed at monthly progress meetings.

The Contractor shall notify the Project Manager in writing of any material changes or derogations that will not comply with the Scope, for acceptance by the Client. Any changes will be subject to the Project Manager's acceptance prior to the changes being incorporated into the works.

S 304 Design approvals from others

The Contractor shall provide a schedule of Client approvals and decisions that are required to achieve the timescales set out within the Scope, supported by a co-ordinated programme.

S 305 X10 Client's information requirements

The Contractor shall comply with the following Information Requirements:

Document Name	Document Reference	Revision
STFC CAFM SFG20 Code Requirements	S305 STFC CAFM SFG20 Codes Requirements	V01
Production and circulation of a REVIT BIM model		
Production and circulation of a clash detection model		

S 306 Design co-ordination

Notwithstanding information that has been made available prior to contract, the Contractor is responsible for analysing the information made available by the Client and satisfy himself as to the quality, accuracy and completeness of any such information to ensure that he has sufficient information to develop the constructional aspects of the design, produce working drawings and details and undertake the construction of the works in accordance with the contract.

S 307 Checking

All design prepared by the Contractor is to be supported by a design check certificate signed by an appropriately qualified and experienced engineer other than the individual engineer who prepared the design. The appropriately qualified and experienced checking engineer can be from within the same design organisation.

S 308 X8 Requirements of others

Not used.

S 309 Using the Contractor's design (Transfer of Rights) Clause X9

Not used.

S 310 Client's Requirements (Equipment)

The Contractor is to submit a proposal for acceptance setting how the Contractor will submit the design of Equipment (including temporary works) for the Project Manager's acceptance.

S 311 BIM

The Contractor shall issue an Information/BIM Execution Plan for approval by the Client within two weeks of appointment. It is the responsibility of the Contractor to ensure that their supply chain is BIM capable and will work to the Information/BIM Execution Plan. Supply chain coordination and BIM management is the responsibility of the Contractor.

The Contractor and supply chain shall deliver the Scope and works to BIM Level 2.

The *Contractor* shall submit to the Project Manager, for approval, an Information/BIM Execution Plan within 2 weeks of contract award.

S 312 Planning

The Vale of White Horse District Council planning application reference is P23/V/2379/FUL.

S 313 BREEAM

Not applicable

S 314 Building Regulations

The *Contractor* shall complete the design and provide any information necessary for the application of statutory Building Regulation approvals and will pay all fees due.

The Contractor shall provide the Project Manager and Client with copies of all approval notices.

The design programme and Building Regulations approval shall be co-ordinated to support the G99 and G59 applications.

The *Contractor* shall provide the Project Manager and Client with copies of all approval notices.

Should compliance with the Building Regulations or the requirements of the Fire Officer or of any other body having jurisdiction necessitate amendment to the design or layout of the works, the Project Manager's acceptance is to be obtained before it is implemented. No adjustment will be made to the total of the Prices for such compliance provided that the regulation requiring such compliance was in force or promulgated prior to the Contract Date.

The *Contractor* shall separately notify the Project Manager in writing of any material changes he wishes to make to his design that will not comply with the design criteria. Any changes will be subject to the Project Manager's acceptance prior to the changes being implemented by the *Contractor*.

The *Contractor* shall engage the Client's current approved building control consultant, **Salus**.

S315 Security Requirements

Not applicable

S316 DNO Application

The Contractor is responsible for preparing, submitting and managing the interface with the DNO, of the G99 application for the Solar PV canopies.

The Contractor is responsible for revising, submitting and managing the interface with the DNO, in relation to the existing G59/3 wind turbine certificate.

S 400 Completion

S 401 Completion definition

Completion will be certified by the Project Manager only when the *Contractor* has:

- Completed the contract Scope
- Completed the items listed in S400 Completion
- Defect free
- Agreed with the Project Manager what Scope can be completed after Completion.

S 402 Sectional completion definition

Not applicable

S 403 Completion documentation

The *Contractor* shall provide the following handover documentation at Completion:

Document Name	Document Reference	Revision
Documents listed on the STFC Contractor Handover Checklist	S403 Contractor Handover Checklist	V2
Health & Safety File	S403 Health & Safety File Template	V1
O&M Document	S403 O&M Structure Template	V1
Building Log Book	S403 Building Log Book Contents	V1
Building User Manual	S403 Building User Manual Contents	V1
Building Control Documentation		
G99 certificate for the Solar PV		
G59/3 certificate revisions for the Wind Turbine		
Equipment and product warranties assigned to UKRI		

Handover documents shall comply with the STFC handover document templates.

S 404 The Building O&M Manual

The Building O&M Manual, in accordance with the BSRIA Application Guide 1/87, is to be a comprehensive information source and guide for the Client and end users providing a complete understanding of the building and its systems and enabling it to be operated and maintained efficiently and safely.

The *Contractor* is required to obtain or prepare all the information to be included in the Building Manual, produce the required number of copies of the Building Manual and submit them to the Project Manager for delivery to the Client.

S 405 The Building Logbook

The purpose of the Building Log Book is to give details of the installed building services Plant and controls, the method of operation and maintenance, and other details that collectively enable energy consumption to be monitored and controlled as required by the Building Regulations Approved Document L2 2006 Edition. The information is to be provided in summary form as an annex to the existing STFC Building Log Book.

S 406 Submission of Documents

The *Contractor* is to provide the final versions of the Building Manual, Health and Safety File and Building Log Book referenced in the Scope, in the following format:

- Format: A4 size, plastics covered, loose leaf, four-ring binders with hard covers, each indexed, divided and appropriately cover titled.
- Numbers of copies: 1 no. hard copies of each document and 1 no. electronic copy on CD or USB data stick. The electronic copy is to include all drawings in pdf, word and AutoCAD electronic format.
- Selected drawings needed to illustrate or locate items mentioned in the Building Manual: Where larger than A4, to be folded and accommodated in the binders so that they may be unfolded without being detached from the rings.
- As-built drawings: The main set may form annexes to the Building Manual. Drawings shall also be provided in AutoCAD format and pdf.

The precise structure and content for each document will be agreed at the Pre-Completion meetings.

S 407 Training of Client's maintenance staff and end users

One month prior to Completion the *Contractor* shall issue a programme of training sessions, sufficient to explain and demonstrate to the Client's maintenance staff / end users the purpose, function and operation of the installations including all items and procedures listed in the Building Manual. Following acceptance by the Project Manager of such a programme of training the *Contractor* will undertake the training prior to Completion to the satisfaction of the Project Manager.

S 408 Final clean

On Completion of the whole of the works and before handing over the works to the Client, the *Contractor*, shall clean down all the surfaces after removal of all Equipment, tools, temporary structures, Materials, protective casings and coverings etc. leaving the works and the Site in a clean condition suitable for occupation by the Client.

S 409 Security at Completion

The *Contractor* shall leave all passes with STFC Security.

S 410 Use of the works

Not applicable

S 411 Correcting Defects

The *Contractor* shall make arrangements with the Project Manager and give 5 working days' notice of the precise dates required for access to the various parts of the works for purposes of making good Defects. Inform the Project Manager when remedial works to the various parts of the works are completed.

S 412 Pre-Completion meetings

The Project Manager will arrange a number of pre-Completion meetings, where appropriate, to plan and co-ordinate a successful Completion and ensure full co-ordination of duties across the project team, the *Contractor* and with the Client and end users. The *Contractor* must attend such meetings as required by the Project Manager.

S 413 Meetings post Completion

The *Contractor* will be required to attend Defects meetings once a month in the first 4 months post Completion and thereafter every 4 months until the Defects date. At each meeting they will be required to provide a written report on the status of the Defective works and the remedial works that have been instigated. If after the first four meetings the Defective works do not appear to have been remedied then the monthly meetings will continue. This will be solely at the discretion of the Supervisor.

S 414 Post Completion review meeting

Post Completion, all Parties involved in the project shall be required to participate in a project appraisal and feedback exercise.

S 415 Spare parts and tools

The *Contractor* shall provide:

- Three sets of keys for each electrical cabinet

S 416 Asset Register

The Asset Register shall be in accordance with the Client's Information Requirements and Information/BIM Execution Plan as detailed in the Scope.

S 500 Programme

S 501 Programme Requirements

The Programme issued for acceptance will consist of, but will not be limited to:-

- A critical path bar chart type programme
- An Inspection, Testing and Sample Schedule (ITSS) shall be issued as a separate schedule to be updated and issue when changes occur.
- Information Release / Required Schedule
- Client Approvals Schedule
- Inspection and Test Plan
- Commissioning, training and handover documentation

The programme is to be issued in electronic format, both as a pdf file and the particular software file.

Each activity is to be segmented to indicate activity duration, time risk allowances, float, health and safety requirements and any other milestones or dates required by the contract within its period.

Each activity is to show predecessor and successor dependencies.

Each activity is to be identified by its own unique sequential number, increasing in increments of five on the first issue of the programme. The same sequential numbering system must be used for the same activities on the activity schedule.

Free float, total float and end float are to be shown on the programme relative to the critical path analysis, planned Completion and the Completion Date.

The Programme is to be produced in levels as detailed below:

- Level 1 is to show the summary bars for each section of the works.
- Level 2 is to be the programme issued for acceptance which should have no more than 200 activities and shall be divided into sections as appropriate.

S 502 Works of the Client and Others

The programme shall show Client and Others access dates.

S 503 Information release

The Information Release Schedule (IRS) shall be prepared by the *Contractor* and identify when information will be released throughout the works in order to facilitate the accepted programme. Information must be released by the *Contractor* in a timely manner, allowing sufficient time for review, comment and or acceptance in accordance with the works Information.

The Information Release Schedule shall be updated and issued monthly.

S 504 Revised programme

Submissions of revised programmes should include explanation of changes.

S 600 Quality assurance

S 601 Quality management system

The *Contractor* will operate a quality management system which complies with the relevant parts of BS EN ISO 9001 and 9002 and has third party certification from an approved accreditation body or is operating in preparation for accreditation within six months of the Contract Date.

Any Sub-Contractor appointed by the *Contractor* will operate a quality system enabling him to comply with the *Contractor's* quality management system

Technical submittals for M&E Plant and Materials and exterior and interior Material Samples shall be submitted to the Client for approval, before any work containing such a sample commences on Site.

S 602 Quality policy statement and quality plan

Prior to the starting date the *Contractor* prepares a quality plan and submits it to the Project Manager for acceptance.

A reason for not accepting the quality plan is that it is inadequately prepared or is not practicable, it does not incorporate the information which this clause requires or it does not represent a realistic approach for the works.

S 603 Samples

The *Contractor* shall provide samples to the Supervisor, before any work containing such a sample commences on Site Samples shall be provided for the following:

- External under canopy luminaires
- EV charge points

All products to be incorporated into the works will be new unless otherwise stated in the Scope.

Where a choice of manufacturer or source of supply is allowed for any particular product or material, the whole quantity required to complete the work must be of the same type, manufacturer and/or source unless otherwise agreed. Written evidence of sources of supply are to be provided as and when required by the Supervisor.

S 700 Tests and inspections

S 701 Tests and inspections

The *Contractor* shall produce a Commissioning Witnessing Schedule, Commissioning Strategy and report on the Commissioning Activity Schedule (CAS) at the Contractor's monthly progress meetings.

The procedure leading up to completion dictates that the NEC Supervisor is responsible for checking the following at Completion:

- that all witnessing / commissioning as required by the Scope has been completed
- that a co-ordinated Defects Schedule is produced in conjunction with the *Contractor*
- that a strategy and timetable for Defect correction has been agreed between the *Contractor* and Client
- that the Building Manual and Building Log Book contains the information required by the contract

The Supervisor, taking due regard of the above will make recommendations to the Project Manager with respect to the issuing of the Completion Certificate.

Inspection/test certificates are to be produced in accordance with the Scope.

S 702 Management of tests and inspections and provision of samples

The *Contractor* shall provide an inspection and test plan as part of the quality management system.

An inspection schedule shall be agreed with the NEC Supervisor and STFC no later than 4 weeks following appointment.

800 Management of the works

S 801 Project team – Others

The Contract Data identifies the *Client*, *Project Manager*, *Supervisor* and *Contractor* and the conditions of contract state what each is required to do.

S 802 Communication system

All communications shall be in a form required by the Contract.

S 803 Management Procedures Meetings

A Schedule of Project Meetings is to be agreed and issued once a start-on-site date has been agreed.

The Project Manager shall be notified of all meetings irrespective of whether or not the attendance of the Project Manager is required. The Project Manager shall be included in the distribution of all minutes.

All meetings will be run efficiently and effectively, with a minimum number of essential attendees and using an agenda set around:

- Meeting aims;
- High level update including progress against programme;
- Risks;
- Issues;
- Any other business.

Design Team meetings shall be organised, chaired and minuted by the *Contractor* or his delegated design team member.

The Project Manager, Supervisor and Others will be invited as required.

Reporting & Change

CEMAR shall be used to manage NEC4 contract change under the contract.

As a minimum the *Contractor's* Monthly Progress Report shall incorporate the following information and track ongoing progress from month to month associated with:

- Summary of progress of the reporting period.
- Programme – tracked to show progress against plan.
- Details of actual progress against plan and update on individual activities / groups of activities.
- Commentary on progress highlighting activities deviating from plan, causes of delay / improvement, impact on overall plan and associated mitigation.
- Health & Safety update including details of accidents, inspections, audits, HSE visits and the like.
- Design progress reporting.

- Contractor's Cost Report.
- Status of *Contractor* designed elements (where appropriate).
- Schedule of instructions received.
- Schedule of Early Warnings and Compensation Events issued and received.
- Schedule of information requested.
- Schedule of mock ups, material approval requests and the like.
- Schedule of sub-*Contractor* appointments and associated status.
- Schedule of warranties and guarantees.
- Commissioning action plan.
- Key performance indicators.
 - Recycling
 - Social value delivery
 - Payment of subcontractors

Cost reporting

The Client's Cost Manager will be responsible for compiling and providing to the Project Manager and Client only, a regular cost report in a format and at a frequency coinciding with the preparation and issue of the regular progress report.

The Cost Manager is responsible for procuring all information and inputs they require from the *Contractor* and members of the project team to prepare their report.

The Contractor shall prepare and circulate a Contractor's Cost Report to the Project Manager and Client on a monthly basis.

Managing Change

The *Contractor* is to allow for managing a 'reasonable level' of change post-contract at no further adjustment to the Total of the Prices, up to a value of 10% of the Contract Sum / Total of the Prices. No additional *Contractor* management related preliminaries will be considered for changes up to this level (as considered within the Direct Fee). If the level of change was to exceed this amount, then *Contractor* management costs would be considered if incurred based on the tendered preliminary resource rates.

The percentage adjustment for people overheads must be realistic and justifiable.

Cost Agreement of an Adjustment to Completion Date

In the event of an adjustment to the Date for Completion with a corresponding Compensation Event, tendered preliminary costs will be used as the basis for assessment (as these are accepted as Defined Costs), adjusting on a pro-rata 3% p.a. uplift basis for the delay period.

Design Risk Contingency

Design risk contingency will be applied to all Compensation Events that include design co-ordination and Works elements. Design risk contingency will not be accepted against quotations submitted retrospectively (/Defined Costs) if the works have been completed or if the Compensation Event relates to design, surveys and the like (i.e. non-works).

In the event of Compensation Events omitting scope, there will be a corresponding omission of direct fee and design risk contingency.

Provisional Sums

Provisional Sums shall be provided in the Prices for any equipment that require preceding system/operational design in to define the Scope.

Project Progress Reporting

The Project Manager will be responsible for compiling progress reports on behalf of the project and issuing these to the Client.

Supervisor

The Supervisor and/or his delegated representatives will prepare a weekly site inspection report with the format and content to be agreed with the Project Manager.

S 900 Working with the Client and Others

S 901 Sharing Working Areas with Others

The *Contractor* shall co-operate and share the Working Area with the following STFC suppliers and departments:

- Power connections and associated works (STFC Estates Services)
- Fibre cable installation supplier (STFC Digital Infrastructure)
- Maintenance and operational access (STFC Estate Services)
- Site access (STFC Estate Services – Security)

Obligations of the involved parties are as follows:

- *Contractor* to provide access to the site during construction to enable maintenance and access to existing equipment, plant and buildings.

S 902 Co-operation

The *Contractor* is to obtain known information requirements, from Others or provide to Others:

- *Contractor* to provide operational design information in relation to the adjacent ASPIRE2 ammonia production research site that will use the renewable power supplied by this contract.

S 903 Co-ordination

The *Contractor* shall be responsible for liaison with the Client and / or Others and agreeing programmes of works, access requirements and allow free use of the *Contractors* facilities, services, hard standings, standing scaffold and hoisting facilitate by prior agreement and subject to compliance with *Contractor's* Rules.

S 904 Authorities and utilities provider

The following campus infrastructure is Client owned:

- Primary fibre
- HV power
- LV power
- Mains water
- Surface water
- Foul water
- Wind turbine

The following campus infrastructure is maintained by a utilities provider:

- Telecoms – BT
- Secondary fibre – SSE

Works to be carried out by STFC suppliers and utilities providers as part of the Scope:

- None

Obligations to others:

- STFC staff, contractors and suppliers where access is required.

S 1000 Services and other things to be provided

S 1001 Services and other things provided by the Contractor for the use by the Client, Project Manager, Supervisor or Others

The Contractor will provide:

- Access to STFC utility infrastructure and structures.
- Delivery, maintenance, and inspection access to adjacent STFC compounds.
- Signage, traffic management and safety fencing to control access to adjacent STFC land, equipment and buildings impacted by the Works.

S 1002 Services and other things to be provided by the Client

The Client will provide:

- Access to the site through the RAL campus.
- Provide enough space for the Contractor to be able to set up a safe and controlled CDM area(s) with appropriate welfare facilities.
- Contractor car parking.

S1003 Existing Surveys

The Contractor shall carry out a survey and verify the location and type of existing utility services prior to carrying out any intrusive works.

The Contractor shall carry out a topographical survey of the site prior to carrying out any intrusive works.

The Contractor shall provide the Client with existing and constructed services and topographical survey drawings in Adobe pdf and AutoCAD dwg file formats.

S 1100 Health and safety

S 1101 Health and safety requirements

No alcohol or drugs are to be permitted to be consumed on Site. No anti-social behaviour will be tolerated on the Site and the Project Manager will request the Contractor removes offenders permanently from the Site.

No smoking is to be permitted on Site, other than in specifically designated areas.

The *Contractor* shall comply with the following Client Site Rules, H&S Codes and H&S Guidelines:

Document Name	Document Reference	Revision
SC02 Safe Movement of Vehicles	S1101 01 SC02 Safe Movement of Vehicles	1.08
SC05 Incident Reporting	S1101 02 SC05 Incident Reporting	1.11
SC10 H&S Training	S1101 03 SC20 H&S Training	1.13
SC13 CDM Regulations	S1101 04 SC13 CDM Regulations 2015	2.0
SC15 Management of <i>Contractors</i>	S1101 05 SC15 Management of <i>Contractors</i>	2.2
SC15 Appendix3 Site Induction Checklist	S1101 05 Appendix 3	2.2
SC18 Control of Noise	S1101 06 SC18 Control of Noise	1.4
SC19 Work on Premises	S1101 07 SC19 Work on buildings, premises, services and infrastructure	1.9
SC32 Fire and Emergency Management	S1101 08 SC32 Fire and emergency management	1.12
SC34 Electrical Safety	S1101 09 SC34 Electrical Safety	1.4
SC35 Asbestos Management	S1101 10 SC35 Asbestos Management	2.2
STFC Health & Safety Policy	S1101 11 UKRI 200423 Health and Safety Policy	
STFC SHE Booklet RAL	S1101 12 SHE Essentials for Contractors Working at RAL	01/12/2019
RAL Fire assembly points	S1101 13 RAL Fire Assembly Points 1024 2	
RAL Emergency contact numbers	S1101 14 RAL Emergency Contact Numbers	

S 1102 Method statements

The *Contractor* is to provide copies of all method statements to the Project Manager for their review and/ or acceptance for any works required to be undertaken outside the boundaries to the site. These must set out the detailed construction methodology for each operation as required by the Scope and the Client.

S 1103 CDM requirements

The *Contractor* shall be the Principal *Contractor* and Principal Designer under the CDM Regulations 2015 on appointment.

S 1104 Deleterious and hazardous materials

Refer to the specifications in the Scope.

S 1105 Pre-Construction Information

The Pre-Construction Information is provided by the Client as part of the Site Information.

S 1200 Subcontracting

S 1201 Restrictions or requirements for subcontracting

Additional procedures which the *Contractor* must follow when using sub-Contractors are detailed in the contract data.

- None

S 1202 Acceptance procedures Specific submission and acceptance procedures for proposed subcontracts not based upon an NEC4 contract

- STFC operates a permitting system for any work that the *Contractor* carries out beyond the site boundary.

S 1300 Title

S 1301 Marking Requirements for marking Equipment, Plant and Materials which are outside the Working Areas by the Supervisor, for payment and transfer of title to the Client have been outlined in the contract data.

- None

S 1400 Government Soft Landings

S 1401 Contractor's responsibilities

The Contractor is to follow BSRIA soft landings framework BG54/2018.

S1500 Clause X20 Key Performance Indicators

The following Key Performance Indicators shall apply:

- Recycling of construction waste 95% by weight of all construction waste
- Payment of subcontractors within 30 days of submission of a compliant invoice

S1600 Warranties

S1601 Schedule of Design Collateral Warranties

Not applicable

S1602 Product Warranties

Product warranties shall be provided by equipment suppliers assigned to Vital Energi Utilities Limited or UKRI.

S1700 Maintenance

S1701 Maintenance Period

The *Contractor* shall provide the *Client* with a 12 months of maintenance service for all maintainable mechanical and electrical assets prior to contract Completion.

Duration:	12 months
End date:	12 months from handover
Service:	Planned maintenance inspection and reporting Planned maintenance component replacement

S2000 Consultant Appointments

S2001 Direct Appointments

The *Contractor* shall appoint directly the following consultants:

- Not applicable

S2002 Novated Consultant Appointments

The following consultants shall be novated to the *Contractor*:

- Not applicable

S2100 Client’s works design guides, notes, specifications and drawings

S2101 STFC Design Guides

The *Contractor* shall comply with the following STFC design documents:

Document Name	Document Reference	Revision
Design Guidance Mech, Elec and Public Health	STFC Design Guidance MEPH Rev 8	8.1
Mechanical, Electrical and Public Health Engineering Design Standard	MEP Design Standard	July 2022

STFC accepted design derogations are presented in the following document:

Document Name	Document Reference	Revision
UKRI ITT Clarifications & Qualifications	UKRI ITT Clarifications & Qualifications Issue 2024 03 05	2024 03 05
UKRI Bid Clarifications	UKRI-3419 Bid Clarifications v1.0 240131 Response	2024 01 31

S2102 Design Notes/User Requirements

The Client Scope includes the following documents:

Document Name	Document Reference	Revision
Utility Feed	317_70001_2 ASPIRE II Utility Feed	A
LV Schematic	317_71008 ASPIRE II LV Schematic	A
Electrical Supply User Reqmts	317_72500 ASPIRE II Electrical Supply User Reqmts	

S2103 Ridge

The Client Scope includes the documents listed on the following issue record sheet:

Document Name	Document Reference	Revision
Design Risk Register	S2103 5022514-UKRI-ASPIRE1 PC DDR v2	V2
Architectural		
ASPIRE2 PV Canopy Arch Stage 3 Report	S2103 5022514-RDG-XX-XX-T-A-110001	C03
Proposed Ground & Levels Plan	S2103 5022514-RDG-XX-00-D-A-010015	C04
Site Location Plan	S2103 5022514-RDG-XX-XX-D-A-010000	C04
Existing Site Plan	S2103 5022514-RDG-XX-XX-D-A-010010	C04
Proposed Site Plan	S2103 5022514-RDG-XX-XX-T-A-010014	C04
Existing Site Sections and Elevations	S2103 5022514-RDG-XX-ZZ-D-A-010020	C04
Proposed Site Sections	S2103 5022514-RDG-XX-ZZ-D-A-010021	C04
Proposed Elevations	S2103 5022514-RDG-XX-ZZ-D-A-010023	C04
ASPIRE2 Canopy Scope	S2103 5022514-RDG-XX-ZZ-D-A-010030	C03
Construction Boundary Site Plan	S2103 5022514-RDG-XX-ZZ-D-A-010001	C01
Civil Structural		
Surface Water Drainage Plan	S2103 5022514-RDG-XX-ST-D-C-520501	C03
General Notes	S2103 5022514-RDG-XX-XX-D-S-000100	C01
Piling Layout	S2103 5022514-RDG-ZZ-FN-D-S-010900	C02
Foundation and Column GA	S2103 5022514-RDG-ZZ-FN-D-S-010905	C01
Roof steelwork GA	S2103 5022514-RDG-ZZ-R1-D-S-011010	C01
Roof loading plan	S2103 5022514-RDG-ZZ-R1-D-S-175001	C01
3D Visualisation	S2103 5022514-RDG-ZZ-ZZ-D-S-156000	C01
Building Sections Sheet 1	S2103 5022514-RDG-ZZ-ZZ-D-S-212500	C01
Building Sections Sheet 2	S2103 5022514-RDG-ZZ-ZZ-D-S-212501	C01
Construction Traffic Management Plan	S2103 5022514-RDG-XX-XX-DOC-Z-CTMP	V1,3
ASPIRE2 PV Civil & Structural Stage 3 Report	S2103 5022514-RDG-XX-XX-T-S-300001	C02
Mechanical and Electrical		
Proposed External Services Layout	S2103 5022514-RDG-XX-ST-D-E-906001	C02
Proposed Electrical Services	S2103 5022514-RDG-XX-ST-D-E-906002	C02
Proposed LV Schematic	S2103 5022514-RDG-XX-XX-D-E-600001	C01
ASPIRE2 PV Electrical Specification	S2103 5022514-RDG-XX-XX-T-E-000001	C02

S2104 Land and Landscape Management Ltd

The Client Scope includes the following documents:

Document Name	Document Reference	Revision
None		

For further information contact:

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