

Great British Nuclear Procurement for Owner's Engineer

APPENDIX to Volume 4 - TENDER RESPONSE TEMPLATES

1. Technical Envelope Question Response Template

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| **T.1.1: Owner’s Engineer Case Study** | |
| **Question:** The Tenderer shall provide a case study for a power plant or nuclear engineering and construction project in the last 13 years where the Tenderer has acted as the Owner’s Engineer.  Questions 1-10 are for information. Question 11 is evaluated.  The Tenderer must explain the relevance of the case study to GBN requirements, and/or describe in terms of scale and scope how their experience will be applied to this contract.  **Font Size:** 12  **Font Style:** Times New Roman  **Margin:** Moderate - Top and Bottom 2.54cm, Left and Right 1.91cm | |
| **Details Required** | **Tenderer Response** |
| 1.  Summary of case study scope, contractual arrangements (including contract type) and resources mobilised |  |
| 2.  Location(s) of the project |  |
| 3.  Client organisation details (name, contact name, email address and telephone number) |  |
| 4.  Contract start date (date contract signed and date delivery commenced) |  |
| 5.  Contracted completion date (at contract award) |  |
| 6.  Actual completion date |  |
| 7. Contract value at contract award |  |
| 8.  Actual contract value at completion |  |
| 9.  Sub-contractors/sub- consultants utilised |  |
| 10.  Technical Skills Areas covered (refer to skills matrix - tick all those that apply) | |  |  |  |  | | --- | --- | --- | --- | | Core Design Authority |  | Fault Studies |  | | Safety Case |  | Fuel & Core Design |  | | BAT Case |  | Human Factors |  | | Chemistry |  | Internal Hazards |  | | Civil Engineering |  | Leadership and Management for Safety |  | | Commissioning |  | Supply Chain and Quality Mechanical Engineering |  | | Control & Instrumentation |  | Protective Security (incl. Security by design) |  | | Construction, incl. CDM |  | Probabilistic Safety Analysis (PSA) |  | | Conventional Waste |  | Radiological Protection |  | | Criticality |  | Radioactive Waste Management |  | | Cyber Security (incl. Security by design) |  | Reactor Core Physics |  | | Decommissioning |  | Requirements Management |  | | Electrical Engineering |  | Safeguards (incl. Safeguards by design) |  | | Environmental Protection |  | Safety Case Analysis and Techniques (incl. Safety by design) |  | | Engineering Management |  | Severe Accident Analysis (SAA) |  | | Equipment Qualification |  | Structural Integrity |  | | Emergency Planning & Response |  | System Engineering |  | | External Hazards |  | Training and Operations |  | |
| 11. Details of the project addressing all aspects listed  **Page Limit**  **6 pages max per case study, including all diagrams.**  **Questions 1 – 10 for information are 1 page max.**  **Submit as separate PDF** | 1. How the Tenderer contributed to delivering the project safely and to quality, cost and schedule, including considerations for an appropriate safety organisational culture, Sensitive Nuclear Information (if applicable) and Export Control Information. |
| 1. How the Tenderer managed a significant multi-disciplinary work scope across multiple parties, including additional specialist resources from the wider supply chain, along with how they were successfully integrated within their team(s)/ organisation delivery. |
| 1. How the Tenderer managed technical review and oversight of design, procurement, construction and commissioning activities and managed engineering support to the future licensee. |

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| **T.1.2: Nuclear Licensed Site Case Study** | |
| **Question:** The Tenderer shall provide two case studies of projects delivered in the last 5 years where the Tenderer ((or member of consortium/sub-contractors) has been the lead engineering services provider delivering nuclear engineering services for which the related construction and commissioning has been successfully completed at a United Kingdom nuclear licensed or authorised site.  The Tenderer must explain the relevance of the case study(ies) to GBN requirements, and/or describe in terms of scale and scope how their experience will be applied to this contract.  Questions 1-10 are for information. Question 11 is evaluated.  **Font Size:** 12  **Font Style:** Times New Roman  **Margin:** Moderate - Top and Bottom 2.54cm, Left and Right 1.91cm | |
| **Details Required** | **Tenderer Response** |
| 1.  Summary of case study scope, contractual arrangements (including contract type) and resources mobilised |  |
| 2.  Location(s) of the project |  |
| 3.  Client organisation details (name, contact name, email address and telephone number) |  |
| 4.  Contract start date (date contract signed and date delivery commenced) |  |
| 5.  Contracted completion date (at contract award) |  |
| 6.  Actual completion date |  |
| 7. Contract value at contract award |  |
| 8.  Actual contract value at completion |  |
| 9.  Sub-contractors/sub- consultants utilised |  |
| 10.  Technical Skills Areas covered (refer to skills matrix - tick all those that apply) | |  |  |  |  | | --- | --- | --- | --- | | Core Design Authority |  | Fault Studies |  | | Safety Case |  | Fuel & Core Design |  | | BAT Case |  | Human Factors |  | | Chemistry |  | Internal Hazards |  | | Civil Engineering |  | Leadership and Management for Safety |  | | Commissioning |  | Supply Chain and Quality Mechanical Engineering |  | | Control & Instrumentation |  | Protective Security (incl. Security by design) |  | | Construction, incl. CDM |  | Probabilistic Safety Analysis (PSA) |  | | Conventional Waste |  | Radiological Protection |  | | Criticality |  | Radioactive Waste Management |  | | Cyber Security (incl. Security by design) |  | Reactor Core Physics |  | | Decommissioning |  | Requirements Management |  | | Electrical Engineering |  | Safeguards (incl. Safeguards by design) |  | | Environmental Protection |  | Safety Case Analysis and Techniques (incl. Safety by design) |  | | Engineering Management |  | Severe Accident Analysis (SAA) |  | | Equipment Qualification |  | Structural Integrity |  | | Emergency Planning & Response |  | System Engineering |  | | External Hazards |  | Training and Operations |  | |
| 11. Details of the project addressing all aspects listed  **Page Limit**  **6 pages max per case study including all diagrams.**  **Questions 1 – 10 for information are 1 page max.**  **Submit as separate PDF** | 1. How the Tenderer contributed to delivering the project safely and to quality, cost and schedule, including considerations for an appropriate safety organisational culture, Sensitive Nuclear Information (if applicable) and Export Control Information.   Note: Case study must include experience of the United Kingdom nuclear regulatory environment and how this is of comparable scale and substance to GBN. |

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| **T.1.3: Light Water Reactor Case Study** | |
| **Question:** The Tenderer shall provide two case studies of projects in the last 13 years where the Tenderer has supported the design, engineering, construction/modification, commissioning and/or engineering support to operations of LWR type plant.  Questions 1-10 are for information. Question 11 is evaluated.  The Tenderer must explain the relevance of the case study(ies) to GBN requirements, and/or describe in terms of scale and scope how their experience will be applied to this contract.  **Font Size:** 12  **Font Style:** Times New Roman  **Margin:** Moderate - Top and Bottom 2.54cm, Left and Right 1.91cm | |
| **Details Required** | **Tenderer Response** |
| 1.  Summary of case study scope, contractual arrangements (including contract type), plant/equipment engineered, and resources mobilised |  |
| 2.  Location(s) of the project |  |
| 3.  Client organisation details (name, contact name, email address and telephone number) |  |
| 4.  Contract start date (date contract signed and date delivery commenced) |  |
| 5.  Contracted completion date (at contract award) |  |
| 6.  Actual completion date |  |
| 7. Contract value at contract award |  |
| 8.  Actual contract value at completion |  |
| 9.  Sub-contractors/sub- consultants utilised |  |
| 10.  Technical Skills Areas covered (refer to skills matrix - tick all those that apply) | |  |  |  |  | | --- | --- | --- | --- | | Core Design Authority |  | Fault Studies |  | | Safety Case |  | Fuel & Core Design |  | | BAT Case |  | Human Factors |  | | Chemistry |  | Internal Hazards |  | | Civil Engineering |  | Leadership and Management for Safety |  | | Commissioning |  | Supply Chain and Quality Mechanical Engineering |  | | Control & Instrumentation |  | Protective Security (incl. Security by design) |  | | Construction, incl. CDM |  | Probabilistic Safety Analysis (PSA) |  | | Conventional Waste |  | Radiological Protection |  | | Criticality |  | Radioactive Waste Management |  | | Cyber Security (incl. Security by design) |  | Reactor Core Physics |  | | Decommissioning |  | Requirements Management |  | | Electrical Engineering |  | Safeguards (incl. Safeguards by design) |  | | Environmental Protection |  | Safety Case Analysis and Techniques (incl. Safety by design) |  | | Engineering Management |  | Severe Accident Analysis (SAA) |  | | Equipment Qualification |  | Structural Integrity |  | | Emergency Planning & Response |  | System Engineering |  | | External Hazards |  | Training and Operations |  | |
| 11. Details of the project addressing all aspects listed  **Page Limit:**  **6 pages max per case study including all diagrams.**  **Questions 1 – 10 for information are 1 page max.**  **Submit as separate PDF** | 1. How the Tenderer contributed to delivering the project safely and to quality, cost and schedule, including considerations for an appropriate safety organisational culture, Sensitive Nuclear Information (if applicable) and Export Control Information. |
| 1. How the Tenderer managed interfaces across multiple organisations, including additional specialist resources from the wider supply chain, along with how they were successfully integrated within their team(s)/ organisation delivery. |

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| **T.2.1: Scope Delivery** |
| **Question:** Based on the Tenderer’s understanding of the Statement of Requirements and drawing on Tenderer’s relevant experience, knowledge, and skills, outline how the Tenderer would deliver on this scope. The Tenderer’s response shall use the same section numbering as contained within the Statement of Requirements.  **Font Size:** 12  **Font Style:** Times New Roman  **Page Limit:** 4 pages max, including all diagrams.  **Margin:** Moderate - Top and Bottom 2.54cm, Left and Right 1.91cm |
| **Tenderer Response** |
| Submit as separate PDF |

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| **T.2.2: Key Personnel** |
| **Question:** Provide details of the key people the Tenderer plans to assign to the contract in the core team, describing their role, skills and relevant experience.  The Tenderer may provide details of non-key personnel, or those from other departments within Tenderer’s organisation that may be used to support successful contract delivery. Where they are non-key personnel, please clearly indicate this.  The Tenderer must include details of how the Tenderer will manage the allocation of people and resources over the lifetime of the contract.  Supporting CVs (2-page limit per CV) may be provided to support the response to this section and will not be included in the overall page count.  **Font Size:** 12  **Font Style:** Times New Roman  **Page Limit:** 2 pages max, including all diagrams.  **Margin:** Moderate - Top and Bottom 2.54cm, Left and Right 1.91cm |
| **Tenderer Response** |
| Submit as separate PDF. |

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| **T.3.1: Mobilisation** |
| **Question:** Please detail how the Tenderer would ensure that it will be prepared to mobilise at pace and operate effectively from day one on the contract.  The Tenderer must set out a mobilisation plan and how it will manage any risks to ensure effective mobilisation to deliver the team, the first Service Plan, and the Specification.  During the delivery of the contract, describe how the Tenderer would mobilise to deliver ad hoc tasks at short notice.  **Font Size:** 12  **Font Style:** Times New Roman  **Page Limit:** 2 pages max, including all diagrams.  **Margin:** Moderate - Top and Bottom 2.54cm, Left and Right 1.91cm |
| **Tenderer Response** |
| Submit as separate PDF. |

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| **T.3.2: Annual Plan** |
| **Question:** The Tenderer must explain its approach to developing the annual Service Plan, ensuring that timescales are met.  Explain the approach to executing the annual Service Plan, including reference to any tools or methodologies that Tenderer shall use.  Explain key risks in the development of the Service Plan and appropriate mitigations.  **Font Size:** 12  **Font Style:** Times New Roman  **Page Limit:** 2 pages max, including all diagrams.  **Margin:** Moderate - Top and Bottom 2.54cm, Left and Right 1.91cm |
| **Tenderer Response** |
| Submit as separate PDF |

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| **T.3.3: Managing Review Points** |
| **Question:** The Tenderer must explain its approach to implementing effective and robust arrangements for managing project gateway reviews and the progression through the plant lifecycle (design, procurement, construction, commissioning, operation, decommissioning) via potential Licensee hold points as the Owner’s Engineer.  **Font Size:** 12  **Font Style:** Times New Roman  **Page Limit:** 1 page max, including all diagrams.  **Margin:** Moderate - Top and Bottom 2.54cm, Left and Right 1.91cm |
| **Tenderer Response** |
| Submit as separate PDF |

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| **T.3.4: Innovation** |
| **Question:** The Tenderer must explain its approach to innovation to add value over the course of the contract, including any activities to support innovation as the Owner’s Engineer.  **Font Size:** 12  **Font Style:** Times New Roman  **Page Limit:** 1 page max, including all diagrams.  **Margin:** Moderate - Top and Bottom 2.54cm, Left and Right 1.91cm |
| **Tenderer Response** |
| Submit as separate PDF. |

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| **T.3.5: Behaviours** |
| **Question:** The Tenderer must explain how it will identify, develop, deliver and maintain positive behaviours over the course of the contract.  The Tenderer must describe how the Tenderer will ensure effective communication between the allocated staff members, client staff, other programme or project delivery partners, and any other stakeholders.  Outline how the Tenderer will ensure communication is relevant, timely, and minimises overlap or duplication.  Describe how the Tenderer will facilitate knowledge management, including transfer and retention.  Describe how the Tenderer assesses, trains, develops, manages and maintains the capabilities for successfully delivering an Owner’s Engineer role, as described in the Specification.  **Font Size:** 12  **Font Style:** Times New Roman  **Page limit:** 2 pages max, including all diagrams  **Margin:** Moderate - Top and Bottom 2.54cm, Left and Right 1.91cm |
| **Tenderer Response** |
| Submit as separate PDF |

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| **T.3.6: Management** |
| **Question:** Description of Management Arrangements for Owner's Engineer Role.  The Tenderer shall describe the key features of how the management arrangements (including Leadership and Management for Safety) will be deployed as part of the delivery of an Owner’s Engineer role, including:   * Working under control and guidance of the Licensee’s future management arrangements, * Working under control and guidance of the Tenderer’s management arrangements, and, * Support to other organisations working under the control and guidance of the Owner’s Engineer’s management arrangements.   **Font Size:** 12  **Font Style:** Times New Roman  **Page Limit:** 2 pages max, including all diagrams.  **Margin:** Moderate - Top and Bottom 2.54cm, Left and Right 1.91cm |
| **Tenderer Response** |
| Submit as separate PDF |

1. Bid Team Template (T.4.1)

1. In accordance with ITT Question T4.1, Tenderers are required to provide details of their team working on and/or providing input to the ITT and the Tenderer’s preparation for this procurement (including employees, contractors, consultants and professional advisers as far as these are known at this ITT stage) (‘bid team’) including name, position, role within the Tenderer’s bid team for this procurement and employer (if not the Tenderer) and confirm that no Conflict of Interest exists for each member of the bid team in accordance with paragraph [X] of ITT Volume [x]. Responses are required in the form of the template below.

2. The table below must be completed and returned electronically with the ITT by the Closing Deadline. Tenderers are referred to the ITT for details about completion and the Closing Deadline.

3. The Tenderer is permitted to add further rows to this template if deemed necessary.

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| **Name** | **Job Title** | **Role / Outline of Responsibilities** | **Employer** | **Has the named bid team member had any prior involvement in the SMR Programme? (Yes/No)** | **If ‘Yes’ please state the date(s) of involvement**  **(Start Date / End Date)** |
|  |  |  |  | [Yes / No] | [mm/yyyy – mm/yyyy] |
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| Please insert rows for additional Bid Team members if required |  |  |  |  |  |