Small Modular Reactors

Competition: Phase One

Eligibility Criteria Checklist,

Expression of Interest and Declaration

17 March 2016

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Contents

1. Eligibility Criteria Checklist 4

2. Expression of Interest Form 6

3. Declaration 10

4. Documents To Be Returned 11

1. Eligibility Criteria Checklist

Please read the eligibility criteria carefully to ensure that you are eligible to enter the first phase of the competition.

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| **Criteria** |
| 1. **Constitution**: The applicant (or the lead partner if a consortium) is a registered company. If registered as a company in the UK, please provide the full name of the company, registered address and company number. If your company is incorporated in another jurisdiction, please provide evidence of corporate status (e.g. certificate of incorporation, memorandum of association and articles of association) or details of an accessible (ideally online) public register where these documents can be found. |
| 1. **Offences**: Neither the company, nor any of its directors or officers, have been convicted of any of the offences listed under regulation 57(1) of the Public Contracts Regulations 2015[[1]](#footnote-1). This also applies to any parent company or consortium partners, and to directors or officers of those companies. |
| 1. **Sanctions**: Neither the company, nor any of its directors or officers, are subject to United Nations, European Union or United Kingdom sanctions. This also applies to any parent company or consortium partners, and to shareholders, directors or officers of those companies. |
| 1. **Solvency**: The company is not in the situation described in Article 57(8)(b) of the Public Contracts Regulations 2015 (it is not the subject of insolvency or winding-up proceedings etc., or in any analogous situation arising from a similar procedure under the laws and regulations of any state). This also applies to any parent company or consortium partners. |
| 1. **Non-proliferation**: The company, and any shareholder, must be associated with a country that has both signed and ratified the Treaty on the Non-Proliferation of Nuclear Weapons (NPT) and have a Comprehensive Safeguards Agreement (CSA) with the International Atomic Energy Agency (IAEA). The company, and any shareholder, must not be associated with a country which is subject to United Nations or European Union sanctions due to infringements of the NPT, their CSA or an associated Additional Protocol. These provisions also apply to any parent company or consortium partners. In this context ‘associated with’ is defined as incorporated in, operating in, or owned (directly or indirectly) by nationals of this country. |
| 1. **Capacity**: It is your intention to propose – whether as a technology developer, utility, potential investor, funder and other interested party – a SMR design that has a single-unit electricity generation capacity of up to a maximum of circa 300MW, in line with the categorisation adopted by the IAEA[[2]](#footnote-2). |
| 1. **Modularisation:** It is your intention to propose – whether as a technology developer, utility, potential investor, funder and other interested party – a SMR design that will be designed for manufacture and assembly, and that will be able to achieve in-factory production of modular components or systems amounting to a minimum of 40% of the total plant cost (including the nuclear island, balance of plant, and wider site civil engineering). |

1. Expression of Interest Form

**1. Your Details**

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| Project Name |
| Lead Organisation |
| Lead Contact(s) |
| Registered Address |
| Contact Email Address |
| Contact Telephone Number |

**2. Please provide a description of your proposal.**

Where known, please provide a description of the key features of your project – technology, fuel type, generating capacity, maturity of design (e.g. demonstration, commercial), independent validation, compliance with international standards, etc.

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**3. Please list project participants and indicate whether other project participants are being sought.**

Please describe the relationship between project participants; providing diagrammatic representation if necessary to illustrate your proposed consortium arrangement. Include any interaction with other governments.

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**4. Please set out any historical experience of project participants which may be relevant to the delivery of a SMR in the UK.**

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**5. Please provide your best estimate of the total funding that will be required through each of the following phases of development.**

Please include what share of this funding (if any) you are likely to seek from Government and what this support would be spent on; and how the remainder will be funded (i.e. equity stake, balance sheet, investor debt).

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| 1. **Delivering a Generic Design Assessment-ready design.** 2. **Going through a Generic Design Assessment.** 3. **Completing advanced design.** 4. **Construction.** 5. **Operation.** |

**6. Please describe the level of commitment (i.e. financial resource, human resource, strategic commitment) you have from your organisation(s).**

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| 1. **What level of support do you have for your project today?** 2. **What key internal dependencies, if any, exist within your organisation or consortia?** 3. **Given that the Government would expect industry to commit funds of their own to progress any design, what level of approval would be required within your organisation(s) to enter a further phase of this competition and how soon can that approval be agreed?** |

**7. In order of priority, what are the major issues (e.g. technical development, regulatory approvals, siting, market creation) you need to resolve, or see resolved, in order to progress your project through each of the following phases of development?**

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| 1. **Delivering a Generic Design Assessment-ready design.** 2. **Going through a Generic Design Assessment.** 3. **Completing advanced design.** 4. **Construction.** 5. **Operation.** |

**8. Do you have a standing team or access to the resources required to develop your proposal (e.g. financial, technical, commercial)?**

Please provide an indication of the size of the team you currently have and what size of team will be required to deliver your project.

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**9. Please provide an indicative timeline of when you expect to progress through each of the following phases of development.**

Please be as specific as possible; providing a year or range of years for each of the key milestones. Also please set out any dependencies and assumptions.

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| 1. **Delivering a Generic Design Assessment-ready design.** 2. **Going through a Generic Design Assessment.** 3. **Completing advanced design.** 4. **Construction.** 5. **Operation.** |

**10. What certainty are you looking for on siting before committing significant resources to any further phase of the competition to identify the best value SMR design for the UK?**

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**11. What certainty are you looking for on a route-to-market before committing significant resources to any further phase of the competition to identify the best value SMR design for the UK?**

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**12. How, if at all, do you intend to or could you facilitate opportunities for UK companies to benefit from supply chain business and intellectual property rights?**

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**13. What potential export markets have you identified for your design?**

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**14. Please provide credible evidence that the SMR design proposed by your company or consortium will be designed for manufacture and assembly, and will be able to achieve in-factory production of modular components or systems amounting to a minimum of 40% of the total plant cost (including the nuclear island, balance of plant, and wider site civil engineering).**

You may provide supplementary material to support this, e.g. an outline manufacturing strategy or other evidence. Please include any assumptions that underpin your estimates.

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**15. We expect participants will sign a Non-Disclosure Agreement (NDA) ahead of entering any second phase of the competition, to protect the confidentiality of the information they provide and receive during the competition process. What key terms would you require from the NDA?**

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**16. Are there any other points of clarification you would like to raise at this stage?**

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1. Declaration

Declaration sheet to be completed and returned.

To: The Department of Energy and Climate Change

Having considered the *Guidance* documentationand eligibility criteria for Phase One of the small modular reactor competition, we confirm that the information included in this response is true and correct to the best of our knowledge, and that we are eligible to enter the competition.

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Signature (duly authorised on behalf of the organisation)

…………………………………………………………………………………

Print name

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On behalf of (organisation name)

…………………………………………………………………………………

Date

1. Documents To Be Returned

Please check that you have included all the documents required in your response.

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| **Documents to be returned** |
| Completed Expression of Interest form |
| Completed Declaration Sheet |
| Any further material you wish to provide (optional), up to the maximum total page limit of 25 pages |

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Department of Energy & Climate Change

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1. See: <http://www.legislation.gov.uk/uksi/2015/102/pdfs/uksi_20150102_en.pdf> [↑](#footnote-ref-1)
2. See: <https://www.iaea.org/NuclearPower/SMR> [↑](#footnote-ref-2)