

Planning Related Advice Professional Services (PRAPS) Framework

PART 1: REQUEST FOR PROPOSAL

Contract Title: Novel technologies – evidence review

Contract Manager Name:		Contract Managers email:	
Framework Reference Number:	PRAPS056	Lot Number:	Lot 3
Atamis Number <i>(if applicable, refer to guidance)</i>		Defra Group Commercial Contact <i>(If applicable, refer to guidance):</i>	
Date: 15/08/2024			
Contract Start Date		16/09/2024	
Contract Completion Date		15/11/2024	
Procurement Route:	Direct Award	<input checked="" type="checkbox"/>	Mini-competition <input type="checkbox"/>
Proposal return date:	27/08/2024		
Clarification Question Date:	22/08/2024		

Evaluation Criteria

Suppliers: Failure to meet any minimum score threshold stated will result in the bid being removed from the process with no further evaluation regardless of other technical or price scores.

Technical Weighting			60%
Price Weighting			40%
Quality sub-criteria weightings			Technical Weightings
1. Approach & Methodology	<ul style="list-style-type: none"> Clearly set out the proposed approach and methodology for delivering the contract, include justification on suitability. Demonstrate understanding of what Natural England is trying to achieve through the contract. 	70	35%
2. Proposed Staff (including CVs) and Supplier's experience/accreditations	<ul style="list-style-type: none"> Demonstrate previous experience of carrying out the work specified. Demonstrate that staff selected for the work have the appropriate skills and experience. Confirm the availability of staff put forward. CVs of key staff can be included as attachments, maximum of 2 A4 pages, font size 11. 	70	30%
3. Project Management, Ability to Deliver	<ul style="list-style-type: none"> Provide a project timeline including contingency. Demonstrate quality assurance measures. 	50	25%
4. Risk	<ul style="list-style-type: none"> Include project-specific risk matrix – quantify likelihood and impact of risk and dependencies and outline mitigation measures (including contingency in the event of delays, staff absences etc.) Extra Information on Risk: Natural England has tried to address any potential issues before the start of the 	50	10%

	<p>contract, but both the successful contractor and Natural England will be required to work collaboratively and flexibly to overcome any issues that arise, ensuring the satisfactory completion of the contract.</p> <ul style="list-style-type: none"> • • The contractor must also consider all issues relating to GDPR and ensure full compliance with this and any associated legislation or Governmental guidance. • • All contact with Natural England Staff will take place virtually via MS Teams or on the telephone and/or via email. • 		
5. Health & Safety (if no working at height or near water, mark as 'N/A' and re-distribute %)			n/a
6. Sustainability (if no travel etc. mark as 'N/A' and re-distribute %)			n/a

Specification Summary (please see accompanying full specification for further details)	
1. Description of work required – overall purpose & scope (including reporting requirements)	
<p>1. Context</p> <p>The UK government has set a target for two low carbon industrial clusters deploying hydrogen production and carbon capture and storage by the mid-2020s, and a minimum of four by 2030. This offers both an opportunity to decouple economic growth from greenhouse gas emissions in industrial heartlands by decarbonising carbon-intensive industry and generating cleaner energy.</p> <p>The proposed projects to achieve this ambition comprise a range of novel technologies with many unknown impact pathways. These technologies include developments at varying stages of the consenting and permitting process:</p> <ul style="list-style-type: none"> • Electric arc furnace steelworks. • Blue and green hydrogen plants. 	

- Carbon capture and storage
- Sustainable Aviation Fuel plants.
- A range of industries (power stations, energy from waste, biomass plants, waste plants) that are moving in and adapting their infrastructure to use the hydrogen resource and carbon capture infrastructure.
- Lithium refineries and battery plants.

Small modular nuclear reactors. These novel technologies have the potential to emit pollutants which we have either not had to previously consider for ecological receptors or are in concentrations different from what Natural England has had to consider before for planning applications and environmental permits. These can be both air and water pollutants, and in the case of water discharged directly into designated sites or into a water course which later flows into a designated site.

2. Scope of works

Information Natural England requires

Natural England requires an evidence report detailing the pollutants that are emitted, as a byproduct, or end process product, from net zero technologies listed in Section 1, and their potential impacts on ecological receptors.

This should include the following:

1. A literature review to identify the pollutants associated with the technologies listed in Section 1. We are aware that this includes:
 - Electric Arc Furnaces: heavy metals including Cadmium (Cd) Chromium (Cr) Copper (Cu) Manganese (Mn) Mercury (Hg) Nickel (Ni) Platinum (Pt) Titanium (Ti) Vanadium (V) Zinc (Zn), Lead (Pb) Tin (Sn) Metalloids Arsenic (As).
 - Carbon Capture and storage technology: Pollutants/ emissions associated with the amine solvent used, in particular what happens to amine-rich waste. What gases from the amine solvent are released from vents/stacks. Emissions associated with the chemical storage of amine solvents. And information on the N discharge given solvent type.
 - Volatile Organic Compounds.
2. A literature review of the ecological impacts of pollutants associated with net zero technologies on ecological receptors - habitats, plants and animals.
3. Literature review of what evidence currently exists on what levels of these pollutants is harmful for ecological receptors, and any existing thresholds currently used for ecological receptors for these pollutants. Details on the application of these thresholds for pollutant limits for environmental permits and planning applications.
4. If no thresholds exist a recommendation of what pollutants limits could be set at to avoid harm on ecological receptors.

The output of the contract is a report which Natural England can use to inform our advice on planning casework.

Due to the range of industries the work is to be divided into two phases:

Phase 1:

- Electric arc furnace steelworks.
- Blue and green hydrogen plants.
- Carbon capture and storage

Phase 2:

- Sustainable Aviation Fuel plants.
- A range of industries (power stations, energy from waste, biomass plants, waste plants) that are moving in and adapting their infrastructure to use the hydrogen resource and carbon capture infrastructure.
- Lithium refineries and battery plants.
- Small modular nuclear reactors.

2. Required skills / experience from the Supplier and staff. Include any essential qualifications or accreditations required to undertake the work.

Education: Degree level or higher in appropriate subject.

Role: Senior grade or above

Expert knowledge and experience of air quality and water quality casework/ consultancy;

Knowledge of pollutants associated with novel technologies listed above and their impact on designated sites/ habitats, in particular estuaries habitats.

Professional membership of relevant professional organisation

Natural England requires the initial findings for Phase 1 by 30 September 2024, with a full report by 15 October 2024. We require the initial findings for Phase 2 by 30 October 2024 with full report 15 November.

3. Proposed program of work and payment table (Detailing specific tasks, key milestones, deliverables & completion date where appropriate)

Please provide details of the project timeline and how you will deliver the work to the required standard, including management and quality control.

Task no.	Task and deliverable	Completion date	Payment Schedule (%)
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4. Risk

Note: This section is to be used to detail any risks relevant to the project i.e. Programme deliverable dates, data, consultees etc.

5. Health and Safety Requirements

Note: Only include if the work involves site visits. Do not request RAMS or similar risk assessments are returned with submissions. These should only be requested at contract award.

n/a

6. Sustainability Considerations (Only use if the work requires travel)

n/a

Planning Related Advice Professional Services (PRAPS) Framework

PART 2: PROPOSAL & QUOTE

1. Approach & Methodology

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2. Proposed Staff who will do the work and briefly state previous relevant qualification/experience. Supplier's experience of undertaking similar projects and accreditations.

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3. Project Management, quality management and ability to deliver, detailing contingency available. A project plan may be provided as an attachment with your reply.

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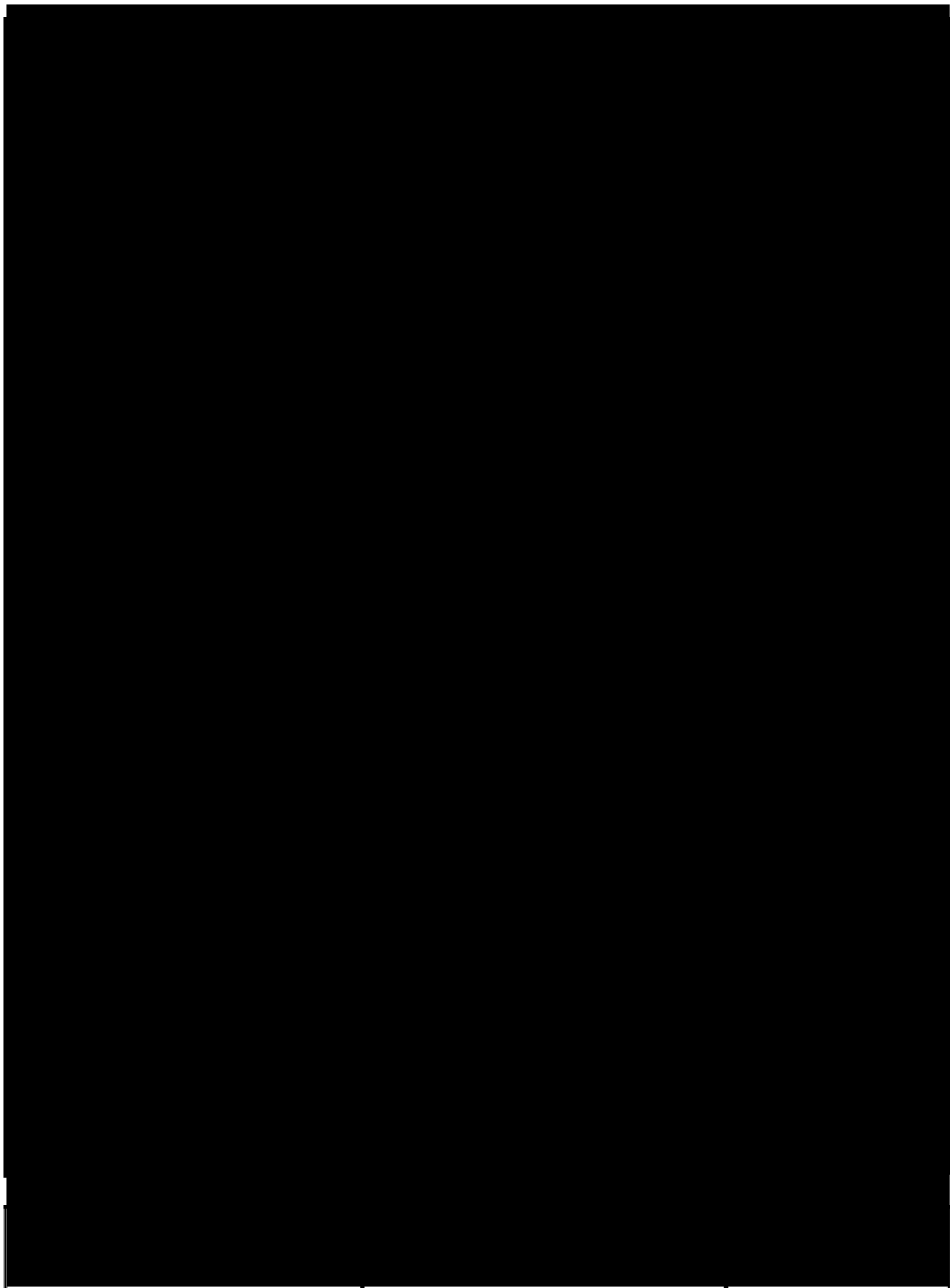
5. Health & Safety (only complete if requested in defined evaluation criteria)	N/A
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6. Sustainability (only complete if requested in defined evaluation criteria)	N/A
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7. Cost Proposal

Please use day rates, including any applicable discounts, as agreed under the framework contract. A full cost schedule may be attached to support the costs summarised below.

[illegible]




Overall Costs (excluding VAT)		£51,165.25
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Overall Costs (including VAT)		£61,398.30
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By signing this form Ricardo agrees to provide the services stated above for the cost set out in your Cost Proposal and in accordance with the Planning Related Advice Professional Services (PRAPS) Framework – Call-Off Contract.

Supplier Project Manager:	
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Signature:	
Date:	

Attachment: Project Plan

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Planning Related Advice Professional Services (PRAPS) Framework

PART 3: AGREEMENT

To be completed by Framework Manager and Authority Contract Manager

Approved by Framework Manager:	
	Date: 
Contract Award Date:	<p>Click or tap to enter a date.</p> <p>02/09/24</p>
Agreed by Supplier:	Name: 
	Date: 
Approved by Contract Manager:	Name:  
	
Terms and Conditions	All call off contracts under the PRAPS Framework are subject to the terms and conditions agreed at framework award.
<p>You must have a purchase order number from Natural England before you start any work in connection with this proposal.</p>	

Planning Related Advice Professional Services (PRAPS) Framework

PART 4

Change Control Schedule

Notes

To be completed by Contracting Authority Project Manager

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10. Change Control

All amendments to project scope, timetable or costs must be submitted to and approved by the Contracting Authority PM prior to implementing the change.

Change Details	CCN Ref. (if applicable)	Revised completion date (if applicable)	Revised Project Cost (if applicable)	Approved by (Framework Manager / Date