Specification

Hog Cliff NNR Glebe Farm water pumping station - design and construction.

Background to Natural England

Natural England works for people, places and nature, to enhance biodiversity, landscapes and wildlife in rural, urban, coastal and marine areas; promoting access, recreation and public well-being, and contributing to the way natural resources are managed so that they can be enjoyed now and in the future.

Natural England is working towards the delivery of four strategic outcomes, which together deliver on our purpose to conserve, enhance and manage the natural environment for the benefit of current and future generations.

• A healthy natural environment: England’s natural environment will be conserved and enhanced.

• Enjoyment of the natural environment: more people enjoying, understanding and acting to improve, the natural environment, more often.

• Sustainable use of the natural environment: the use and management of the natural environment is more sustainable.

• A secure environmental future: decisions which collectively secure the future of the natural environment

Background to the specific work area relevant to this purchase

In order to facilitate livestock grazing at Glebe Farm, Hog Cliff NNR, Natural England requires a water pumping station to be designed and built to enable water to be pumped to various locations at Glebe Farm.

The pumping station must be designed to have sufficient pressure and capacity to pump water to an elevation of approximately 100m along a total length of approximately 1650m of pipe, to provide a reliable and consistent supply to feed 10 water troughs (see maps showing requirements).

Requirement

1. Preliminary Design and (if required) application for planning permission.

Produce design and drawings of proposed new water supply infrastructure in line with planning, building and design regulations as appropriate. Advise on all requirements to design a reliable and functional water supply system (i.e. water pipe diameter, capacity, pressures, header tank requirements, trough size, etc)

Submit planning application if required.

2. Installation of electrical supply from SSE (see maps showing possible locations of supply).

3. Construction of pumping station, link with water and electrical supply, provide suitable water output for linking to future pipework, including any required testing, compliance with building regulations etc.

The successful contractor must provide a 5-year working guarantee for the pumping station as part of this contract.

Health and Safety

Contractors are advised to familiarise themselves with the site before tendering. A site hazard map is attached.

A Construction Design and Management (CDM) compliant Risk Assessment will need to be drawn up and agreed with Natural England before work starts. The risk assessment and safe system of work must ensure that all safety measures are taken to safeguard their employees and the general public in terms of equipment, clothing, site supervision and safe working practices. This must take into account the work, location, terrain, public access and use of the site.

Under CDM Regulations Natural England undertakes the role of client.

All operational measures must conform to the Health & Safety at work Act 1974 and current Codes of Practice. Any machinery operators must carry current and relevant certificates and training. Spill kits for fuel must be available. A qualified first aider must be on site at all times. Copies of all relevant training, certification and first aid certificates should be supplied to Natural England. The whole site is open access with additional public rights of way. Appropriate signage must be put out on site to warn any walkers when work is taking place.

Contractors are required to submit copies of relevant employer liability insurance, public liability insurance, and any appropriate relevant certification demonstrating professional competency. Contractors should hold a valid Safety Schemes in Procurement (SSIP) certificate or be able to demonstrate a H&S system to the equivalent of SSIP certification. If an SSIP is not held by the contractor, then a contractor competence form issued by Natural England will need to be completed by the contractor and assessed by Natural England.

Sustainability

Natural England protects and improves the environment and is committed to reducing the sustainability impacts of its activities directly and through its supply chains. We expect the Contractor to share this commitment and adopt a sound, proactive sustainable approach in keeping with the 25 yr environmental plan/our commitments compliant with all applicable legislation. This includes understanding and reducing direct and indirect sustainability impacts and realising opportunities, including but not restricted to; resilience to climate change, reducing greenhouse gas emissions, water use and quality, biosecurity, resource efficiency and waste, reducing the risk of pollution, biodiversity, modern slavery and equality, diversity & inclusion, negative community impacts.

As a delivery partner, the successful contractor is expected to pursue sustainability in their operations, thereby ensuring the Contracting Authority is not contracting with a supplier whose operational outputs run contrary to the Contracting Authority’s objectives. The successful contractor will need to approach the project with a focus on the entire life cycle of the project

Outputs and Contract Management

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| Reference | Deliverable | Responsible Party | Date of completion |
| 1. Design | Preliminary Design and advice (if required) application for planning permission.  | Contractor | Flexible, to allow for construction to be completed no later than end January 2025 |
| 2. Electrical supply | Installation of electrical supply from SSE | Contractor | Flexible, to allow for construction to be completed no later than end January 2025 |
| 3. Construction | Construction of pumping station, link with water supply and electricity | Contractor | To be completed no later than end January 2025. |
| 4. H&S | CDM risk assessment | Natural England  | Before work starts |

Natural England staff will oversee the contract and work with the contractor to ensure a safe workplace and successful delivery of the work.

You are strongly advised to visit the site prior to tendering for work. You may visit the site unaccompanied at any time, or if available Natural England staff may be able to accompany you. Please use the contact details below if you wish to arrange a site visit, or have any questions about the contract.

**Natural England contacts:**

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