Background to Environment Agency (EA) Mechanical Electrical Instrumentation, Control Automation (Meica) team

The South-East Meica (East) Team are based across the EA Hertfordshire and North London (HNL) and Kent, South London, East Sussex (KSLES) Areas.

We provide Meica Advice to the EA teams based in HNL and KSLES: assuring compliance with engineering health and safety legislation.

We also fulfil the role of 'intelligent client' for EA teams replacing, updating, or installing new engineering assets.

Most of our work is related to flood defence.

Background to the specific work area relevant to this purchase

The successful candidate will join the HNL based Meica team who are based in Welwyn Garden City (WGC).

You will be required to work from the EA WGC office most weeks, visit assets in the HNL Area.

This is NOT a role that can be delivered remotely, nor a role which is deliverable commuting hundreds of miles each way.

We require an experienced, qualified, and knowledgeable: electrical, instrument, control, and automation engineer (EICA) to provide EA related EICA documentation and advice to EA hired (in the main, framework) contractors and oversee the work of the contractors at critical project milestones.

This role involves aspects of work from project conception to project and asset handover from a project team to the EA.

The candidate must be a Chartered Electrical Engineer with the IET.

Timeframe.

This contract starts at the end of a currently running contract.

We anticipate the contract will run for approximately 12 months.

Requirement

The HNL based Meica team need an experienced EICA engineer who is based in HNL Area and does not to commute into HNL by travelling long distances.

The successful applicant will:

Be an experienced, qualified, and knowledgeable: electrical, instrument, control, and automation engineer (EICA)

Have more than 10 years relevant experience.

Have worked on EA Flood Defence (FD) assets in HNL and be able to demonstrate this.

Have the skills and experience to allow the EA to authorise the candidate to advise and work on EA electrical systems.

Sufficiently experienced and qualified so as to be able to write EA User requirement specifications (URS), oversee EA engaged contractors,

Oversee factory acceptance tests (FAT) and Site acceptance tests (SAT)

Visits to EA sites, assets, factories, consultants will be required. Most visits will be in HNL. Some factories may be outside of HNL: depending on the framework or how work is being delivered.

Provide EICA advice to several HNL projects which may be at inception, URS, post URS, FAT or SAT stages. Through to handover to the EA.

Have the knowledge, skills, and experience to challenge contractors working for the EA and represent the EA, acting as an intelligent client.

Produce work progress updates approximately every two weeks, identifying successes, delays, and issues.

Work with and support the HNL / Kent based Meica team.

 Note the assets this work relates to are in HNL Area.

Created works such as reports, images, map layers, films, audio recordings, software, code, and datasets or databases are legally protected from certain types of re-use. Where you are acquiring an existing work, or commissioning the creation of a new work which may incorporate a third party's work, you need to specify compatibility with your use, sharing and onward licensing requirements. See the guidance for more help.

Sustainability

The Environment Agency 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

Each Tuesday the HNL based Meica work from the EA Alchemy Offices, Bessmer Road, Welwyn Garden City, AL7 1HE. It will be expected that the successful applicant attends this office each week: most often on our team days.

The successful applicant will be given an EA laptop, EA smart phone and have access to EA SharePoint areas and shared drives. This is where we store project information.

You will be required to work with other Meica team members working on the projects and other EA employees and contractors working on the projects.

Helping develop the skills of other members of the HNL based Meica team will be key additional aspect to this position. As will ad-hoc discussions with the wider Supra Area Meica teams. Such discussions tend to be during monthly team meetings with Meica colleagues based across the EA: including the EA Technical Authority.

You will also be required to complete a declaration of potential and actual conflicts of interest as EA employees are required to do.

Examples of current projects being worked on include:

The refurbishment of an existing EA sluice in West London

The completion of a new flood defence on a major river in Hertfordshire

Ongoing work relating to the construction of a new flood defence on a major river in Hertfordshire.

Progress meetings with the Supra Area Meica Team Leader.

Informal update discussion will typically be weekly during the team 'in-office day.'

Regular contract cost and hours claimed discussions will also be required. These are an important metrics: measuring progress against time and spend.

Contract completion.

We anticipate approximately 12 months after the start date of this contract.