

Call for Nominations - Framework Contract for the Design, Procurement Assistance and Support of Access Control, Security and other Operations Related Site Support Systems

ITER is a joint international research Project that aims to demonstrate the scientific and technical feasibility of nuclear fusion power. The members involved in the ITER Project are China, the European Union, India, Japan, Korea, Russia and the United States. ITER is being constructed in Europe, at Cadarache in the South of France.

The construction of the ITER Tokamak and its associated plant systems represent one of the world's largest and most ambitious projects in terms of scope, cost and schedule.

For further details of the project, please visit the ITER website: www.iter.org.

The ITER buildings consist of conventional office buildings, industrial buildings and nuclear buildings which form a licenced nuclear installation. The site boundary fences, buildings and controlled zones must be protected by a suitable access control and other security systems.

The Access Control and Security Systems shall provide for the registration of persons and vehicles and for the authentication and authorisation of access by persons and vehicles to controlled zones and equipment. The system shall allow for the monitoring of activity around and within controlled zones and equipment.

The overall purpose of this system is:

- For the safety of persons by ensuring that access to hazardous or potentially hazardous areas is possible only if certain protective conditions are satisfied, and limiting such access to suitably qualified persons;
- For security and protection of the plant and material from malicious action and prevent access by unauthorised personnel.

The system shall achieve this by:

- Ensuring that access to controlled zones and equipment is only permitted when local environmental conditions are appropriate;
- Only permitting authorised persons to enter controlled zones;
- Determining who is, or has been at a particular moment, present within controlled zones.

In addition, the system shall ensure communications and information within the site, through the use of public address systems, communications radio and safety intercom, information and warning systems.

The design, construction, operation and decommissioning of the ITER facility will be influenced by consideration of human factors. To ensure a consistent integrated approach to the application of human factors to the ITER project it is essential that the human factors activities embrace all relevant aspects of the project. Therefore support is also required to:

- Undertake analysis and designs of access, construction, maintenance and operations systems and related equipment within the ITER Site and Plant according to a Human Factors approach;

- Produce guidance, style books, rules and procedures towards the implementation of a Human Factors Implementation Plan in areas related to personnel access, construction, maintenance and machine operations;

The ITER Organisation therefore intends to place a Framework Contract to assist it in the Design, Procurement and Support of these systems.

The Framework Contract is envisaged to cover the entire construction period, currently planned to take place between 2011 and 2019.

This Framework Contract shall provide to ITER support by a System Integrator in the study, design, procurement and supply of Access Control, Security and other Operations Related Site Systems, including warning panels and lights, emergency phones, loud speakers, man machine interfaces, human factors studies and control room design (“the Systems”).

Tenderers will need to demonstrate experience of design and system integration of Access Control and Security Systems within large scale government, defence or international organisations, including nuclear installations in the following areas:

- Access Control for nuclear facilities
- Identity management systems
- Security monitoring and intrusion detection
- Communications systems

They will also have to demonstrate that they have adequate financial and technical capacity, for example by demonstrating reference projects, each with a significant individual project value.