china eu india japan korea russia usa

Summary

Call for Nomination

PROVISION OF EPICS SOFTWARE SUPPORT AND TRAINING SERVICES

BACKGROUND

CODAC is the integrated and distributed Control, Data Access and Communication system responsible for operating the ITER device. The main purpose of CODAC is to provide a fully integrated and automated system. To achieve this goal the communication and software framework is of fundamental importance. The CODAC group has decided to baseline EPICS (Experimental Physics Instrumentation and Control System) for this purpose. The core of EPICS together with EPICS applications, other applications and in-house development will form a well defined software package, the CODAC Core System, to be released at regular intervals and exported to all developers.

The purpose of the requested support is to assist the CODAC group and its Contractors in developing the CODAC Core System by providing expertise in the use of and development in the EPICS software environment.

SCOPE OF WORK

The scope of work covers the supply of suitable qualified and experienced personnel to contribute to the development of EPICS system and to provide support and training. The services requested herein can be categorized as follow

- **EPICS services** covering both development and training for CODAC Core System developers
- **CODAC system services** covering both development and training for end users
- **Quality assurance services** covering procedures and supporting tools to satisfy the needs for a large and distributed end user community
- **CODAC Test Projects** covering integration of all CODAC components.

EXPERIENCE

The potential tenderers should have proven experience in the following areas:

- Experience in control systems and related software technologies.
- Knowledge of electronic hardware design and test, for example for RF, Diagnostics, or power converters.
- Experience of programming embedded systems
- Experience in developing applications in the EPICS environment.
- Experience in Linux operating system.
- Experience in developing EPICS device support.
- Experience in software quality assurance; life cycle, documentation, configuration control, versioning, automatic system building, automatic regression testing, code inspection etc.
- Experience in participating to a large software project involving research labs.
- Plasma or High Energy Physics systems such as diagnostics, RF, Vacuum, Power supplies.
- Complete command (oral, writing, reading) of English.

DURATION

The framework contract duration shall be 3 (three) years; ITER Organization shall establish the request for services on ad hoc basis and relative to the respective annual work plans.

TIMETABLE

The tentative timetable is as follows:

Call for Nomination	March 2011
Call for Tender	April 2011
Tender submission	May 2011
Contract award	June 2011
Start of Contract	July 2011

Candidature

Participation is open to all legal persons participating either individually or in a grouping (consortium) which is established in an ITER Member State. A legal person cannot participate individually or as a consortium partner in more than one application or tender. A consortium may be a permanent, legally-established grouping or a grouping, which has been constituted informally for a specific tender procedure. All members of a consortium (i.e. the leader and all other members) are jointly and severally liable to the ITER Organization. The consortium cannot be modified later without the approval of the ITER Organization.

Legal entities belonging to the same legal grouping are allowed to participate separately if they are able to demonstrate independent technical and financial capacities. Bidders' (individual or consortium) must comply with the selection criteria. IO reserves the right to disregard duplicated references and may exclude such legal entities form the tender procedure.

Further information on the ITER Organization procurement can be found at:

HTTP://WWW.ITER.ORG/ORG/TEAM/ADM/PROC/PAGES/WELCOME.ASPX