SUMMARY

Call for Nomination ITER/C4N/12/7-049/AJB

A Framework Contract for the procurement of services related to CATIA V5 and Enovia V5 system customisation, integration and system administration

1. Purpose

ITER Organization intends to place a framework contract for the procurement of time and material based services related to CATIA V5 and Enovia V5 system customisation, integration with enterprise IT tools and system administration to meet ITER business needs. The ITER Organization IT section is in need of a service partner to provide proven knowledgeable people and processes that will successfully support the effective and timely performance of ITER design work using CATIA V5 and ENOVIA V5.

2. Background

ITER will be the world's largest experimental facility to demonstrate the scientific and technical feasibility of fusion power. The ITER project is sited at Cadarache in the South of France. ITER is comprised of seven member parties collaborating to design and produce key components of plant. The collaborating partners include European Union, China, Japan, India, the Republic of Korea, the Russian Federation and the USA.

ITER design office (DO) is using CATIA V5 (CV5) as a Computer Aided Design (CAD) tool and Enovia V5 (EV5) as a Product data management (PDM) tool to manage ITER CAD data. ITER Design Office section is the owner of these EV5 and CV5 systems and ITER IT section is responsible for customisation based on specification submitted by DO, IT infrastructure and system administration of these tools. ITER plant design is comprised of approximately 40% mechanical design and 60% plant design on the order of a million assembled components and tens of millions of individual parts that make up the complex Tokamak Machine, Superconducting Magnets, and associated Plant Support components, systems, and structures many of which have safety classifications.

The ITER project is currently in its detail design and early fabrication phases of work. The ITER IT section is responsible to support customisation, IT infrastructure and system administration by providing the IT services to ITER design office.
Ev5/CV5 tools are mission critical to achieve ITER project goal by finishing ITER design phase on timely and efficiently. To achieve better performance and high availability for geographically distributed users working form any partner/supplier location ITER have deployed Enovia multiuse site architecture and on-demand replication of design data to geographically distributed partners and suppliers location.

ITER IT infrastructure including CATIA and Enovia are running using Microsoft platform (Windows servers and clients). Users and authorisation is managed using MS Active Directory. The Enovia back end data base is Oracle cluster server. The customisation development machines are also running on windows using visual studio. The software configuration management tool is SVN.

3. Scope of Work Summary

The scope of work shall be related to following technical areas:

1. Implementation of CATIAV5 and Enovia V5 customisation based on specification submitted by ITER Design office, testing, and deployment of the tools. This also includes fixing of the reported bug and enhancement of ITER specific custom features based on defined needs.

2. Customisation needed for Integration with other design office tools including DALMIA, 3Dlive, 3DVia composer, Drawing title block generation tool, Q-checker, CADANAS etc...

3. Customisation needed for integration with other enterprise tools deployed by ITER in collaboration with ITER IT teams. This is not limited but including engineering data base (EDB – ITER in house developed PLM kind web application) and data warehouse and business intelligent tools, Intergraph SmartPlan etc. This also includes the maintenance of integration tools already implemented and to be implemented.

4. Day to day IT system administration related task including local and remote servers (including test and preproduction environments) at partner’s location and CATIA workstations. This also includes management of updates/hotfixes/patches of servers and end users CATIA workstation in coordination with IT service team. The person will be also responsible for automation of system admin task using Scripting language.

5. This also includes the integrated processes, functional requirements gathering, testing, technical documentation, data management, and data analysis and data migration.

4. Duration of Services

The framework contract is scheduled to come into force approximately around March -2013. The duration of the contract will be five years. The Framework Contracts will be implemented by means of “Task Orders”, signed by the Supplier and the IO on each year. Typical task orders will cover services to be provided on an annual basis, number of resources, geographical distribution of resources, profiles of the resources. The Framework contract is expected to cover about 4 FTEs (full time equivalent) per year distributed among various profiles (CATIA /Enovia customisation developer using CAA library and CATScript, Enovia V5 System Administrator including second level support).
5. Procurement time table

A tentative time table is outlined as follows:

Call for Nomination: September 2012
Call for Tender: October 2012
Tender submission: November 2012
Contract award: December 2012 – January 2013
Start of Contract: March 2013
First task Order: March or April 2013

6. Selection Criteria

ITER is requesting nomination of interested parties who can demonstrate the experience in Enovia V5 system administration and customization. The selection will be based on proven project experience, CVs of persons able to work for ITER and the understanding of ITER’s needs.

7. 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 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 groupings shall be presented at the tender submission stage. The consortium cannot be modified later without the approval of the ITER Organization.

8. Additional Information

100% off-shore work is acceptable, however, when appropriate the contractor shall have to visit ITER site. More information on ITER Organization Procurement process can be found at:

https://www.iter.org/org/team/adm/proc/Pages/Welcome.aspx