Framework Contract for the Supply of Vacuum Installation & Testing Support to the ITER Project

Summary Technical Specifications
1 Purpose

The purpose of the framework contract in question is to provide vacuum engineering support to the ITER project. The detailed definition of the required support, including deliverables and expected durations will be described in specific task orders to be raised against the framework contract in question.

2 Background

ITER will be the largest and most complex vacuum system yet to be built. Situated in Southern France, adjacent to the French CEA Cadarache site, the ITER facility covers approximately 190 hectares and is designed to study the fusion reaction between the hydrogen isotopes tritium and deuterium.

In order to resource vacuum acceptance tests and specific vacuum installation tasks required for the construction phase of the ITER project external contract support is required. It is the philosophy of the ITER project to define the requirements of the external contract support through the use of task orders drawn against an overall framework contract between the Contractor and the IO.

3 Scope of Services

It is expected that over the duration of the contract the Contractor provide the following services:

1) Assessment of designs with respect to vacuum acceptance testing
2) Analysis of ITER system design(s) with respect to installation leak testing
3) Development of pressure / leak testing procedures
4) Review and Validation of pressure / leak test procedures

The final approval of the procedure remains the responsibility of the IO.

5) Acceptance vacuum testing support and the Suppliers premises

Supplier’s premises may be in any of the ITER partner countries, India, Korea, Europe, Japan, Russia, China and the United States of America.

6) Acceptance vacuum testing support at the ITER site
7) Installation vacuum testing at the ITER site

The scope of individual or groups of tests to be performed will be detailed in the specific task orders.

8) Leading vacuum testing teams
9) Preparation of vacuum testing schedules
10) Preparation and review of installation procedures
11) Oversight / Installation of vacuum equipment & systems
12) Preparation of vacuum test equipment

The scope of the support and services requested in this specification covers the supply of suitable experienced personnel to provide vacuum installation and testing support for the ITER project.

The supply of any equipment required to perform the services outlined in this Technical Specification are outside of the scope of this framework contract.

4 Contract Duration and Timetable

The Framework Contract is scheduled to come into force in the first quarter of 2013 and last for five years with an option to extend up to 5 additional years.
5 Schedule

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<thead>
<tr>
<th>Action</th>
<th>Tentative date(s)</th>
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<tbody>
<tr>
<td>Call for Nomination</td>
<td>June 2012</td>
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<tr>
<td>Call for Pre-qualification</td>
<td>June 2012</td>
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<tr>
<td>Call for tender</td>
<td>End August 2012</td>
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<tr>
<td>Tender submission</td>
<td>October 2012</td>
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<tr>
<td>Contract Award</td>
<td>End October 2012</td>
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<tr>
<td>Start of contract</td>
<td>December 2012</td>
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<tr>
<td>End of contract</td>
<td>December 2017</td>
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6 Experience

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

1) Helium tracer gas method of leak testing
2) Supply of professional and support personnel with experience of helium tracer gas leak testing

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 pre-qualification stage. The tenderer’s composition cannot be modified without the prior approval of the ITER Organization after the pre-qualification.

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