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Route de Vinon-sur-Verdon - CS 90 046 - 13067 St Paul Lez Durance Cedex - France

PRIOR INDICATIVE NOTICE (PIN)

OPEN TENDER SUMMARY

IO/20/OT/10018303/VML

for

Supply and Installation of Water Testing Laboratory

Abstract

The purpose of this summary is to provide prior notification of the IOs intention to launch a competitive Open Tender process in the coming weeks. This summary provides some basic information about the ITER Organisation, the technical scope for this tender, and details of the tender process for the provision of Technical Support Services for Equipment Qualification to the ITER Organization.

1 Introduction

This Prior Indicative Notice (PIN) is the first step of an Open Tender Procurement Process leading to the award and execution of a Service Contract.
The purpose of this document is to provide a basic summary of the technical content in terms of the scope of work, and the tendering process.
The Domestic Agencies are invited to publish this information in advance of the forth-coming tender giving companies, institutions or other entities that are capable of providing these services prior notice of the tender details.

2 Background

The ITER project is an international research and development project jointly funded by its seven Members being, the European Union (represented by EURATOM), Japan, the People's Republic of China, India, the Republic of Korea, the Russian Federation and the USA. ITER is being constructed in Europe at St. Paul–Lez-Durance in southern France, which is also the location of the headquarters (HQ) of the ITER Organization (IO).

For a complete description of the ITER Project, covering both organizational and technical aspects of the Project, visit www.iter.org.

3 Scope of Work

The contract is for the supply and installation of a laboratory to perform water analysis tests, including all equipment, furniture, supplies, consumables, procedures and training to be established in the area shown in Figure 1.

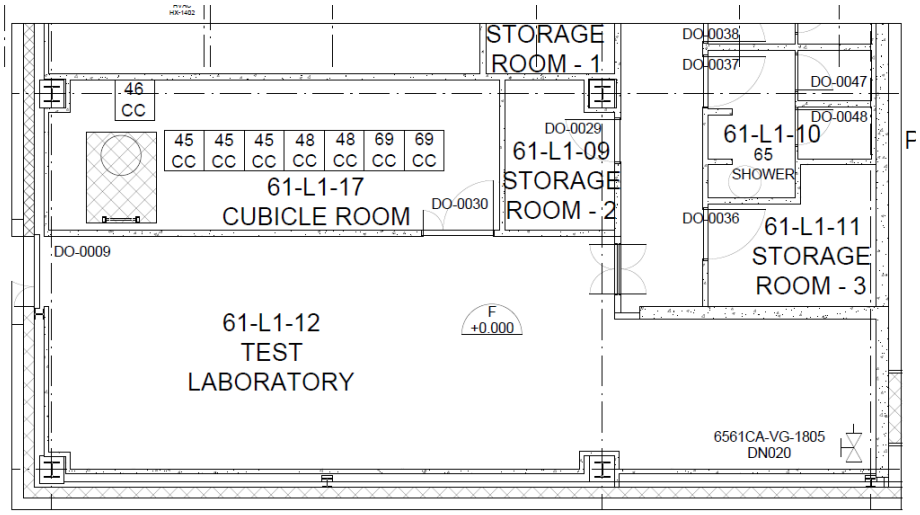

Figure 1 - Location of Test Laboratory

The Supplier shall provide the IO with:

- Equipment necessary to perform the tests listed below (including glassware, reagents, measurement equipment, consumables, PPE)
- Furniture including workbenches, chairs, shelving, storage units, liquid effluent and waste management bins and task lighting necessary for activities in the laboratory
- Services to develop processes for the training, qualification, management and recording of tests:
  - Procedures
  - Forms/record sheets/templates
  - Training and qualification requirements

- Establishment of a quality assurance system for the operation of the laboratory in compliance with ISO-9001
- Maintenance and calibration of equipment

Training shall be provided to allow IO operators to independently perform the tests according to the supplied procedures and equipment.

The tests to be performed are as follows:

Reference	Parameter	Typical Range of Measurement
A1	pH @25C	5.5 - 10
A2	Water Conductivity @25C, max, µS/cm	5 - 50
A3	Temperature, maximum, C	10 - 40
A4	Sodium, ppb	5 - 25
A5	Chloride, ppb	5 - 25
A6	Chloride and / or Fluorides, µg/kg	1 - 100
A7	Hydrogen, ppb	-
A8	Catalyzed Hydrazine, ppb	-
A9	Ammonia, ppb	<= 300
A10	Oxygen, ppb	<= 100
A11	Dissolved O2, concentration, max, µg/kg	<= 50
A12	ORP @25C, mV	5.5 - 10
A13	Copper, ppb	<= 10
A14	Copper, µg/kg	5.5 - 10
A15	Total organic content, maximum, µg/kg	<= 100
A16	Silica, maximum, µg/kg	50 - 200
A17	Particles (maximum dimension, µm)	<= 25
A18	Hardness (ca, Mg, etc), µg/kg	<= 1
A19	Sulphates, µg/kg	<= 3
A20	Suspended solids, maximum,(MES), mg/l	< 35
A21	Chemical Oxygen demand, DQO	<120
A22	Biological Oxygen demand, DBO5	< 40
A23	Ozone global	< 30
A24	Phosphorus Total, mg/l	< 10
A25	Cyanide, mg/l	< 0.05
A26	Hexavalent Chromium and compounds (in Cr), mg/l	< 0.05
A27	Lead and compounds (in Pb), mg/l	< 0.3
A28	Copper and compounds (in Cu), mg/l	< 0.2
A29	Chromium and compounds (in Cr), mg/l	< 0.2
A30	Nickel and compounds (in Ni), mg/l	< 0.4
A31	Zinc and compounds (in Zn), mg/l	< 1
A32	Manganese and compounds (in Mn), mg/l	< 0.2
A33	Tin and compounds (in Sn), mg/l	< 0.2
A34	Iron and compounds (in Fe), mg/l	< 2.5
A35	Aluminium and compounds (in Al), mg/l	< 2.5
A36	Organic Halogen compounds (in AOX o EOX)	< 0.7

Reference	Parameter	Typical Range of Measurement
A37	Total Hydrocarbons(mg/l)	< 5
A38	Fluorides, maximum, mg/l	< 1
A39	Mercury (Hg), mg/l	< 0.04
A40	Cadmium (Cd) , mg/l	< 0.2
A41	Arsenic (As) , mg/l	< 0.05
A42	Sulfates (SO_4), mg/l	< 500
A43	Boron, maximum, mg/l	< 0.5

4 Procurement Process & Objective

The objective is to award a Service Contract through a competitive bidding process.

The Procurement Procedure selected for this tender is called the Open Tender procedure.

The Open Tender procedure is comprised of the following four main steps:

- Step 1- Prior Indicative Notice (PIN) :
  The Prior Indicative Notice is the first stage of the Open Tender process. The IO formally invites the Domestic Agencies to publish information about the forth coming tender in order to alert companies, institutions or other entities about the tender opportunity in advance. **Interested tenderers are kindly requested to return the expression of interest form (Annex I) by e-mail by the date indicated in the procurement timetable below.**

- Step 2 - Invitation to Tender (ITT) :
  Within 14 days of the publication of the Prior Indicative Notice (PIN) the Invitation to Tender (ITT) will be advertised. This stage is allow interested bidders who have seen the PIN to obtain the tender documents and to prepare and submit their proposals in accordance with the tender instructions.

- Step 3 – Tender Evaluation Process :
  Tenderers proposals will be evaluated by an impartial, professionally competent technical evaluation committee of the ITER Organization. Tenderers must provide details demonstrating their technical compliance to perform the work in line with the technical scope and in accordance with the particular criteria listed in the invitation to tender (ITT).

- Step 4 – Contract award :
  A service contract will be awarded on the basis of best value for money according to the evaluation criteria and methodology described in the Invitation to tender (ITT).

Procurement Timetable

The tentative timetable is as follows:

Milestone	Date
Publication of the Prior Indicative Notice (PIN)	15 May 2020
Submission of expression of interest form	29 May 2020
Invitation to Tender (ITT) advertisement	02 June 2020
Clarification Questions (if any) and Answers	June 2020

Tender Submission	mid July 2020
Tender Evaluation & Contract Award	July 2020
Contract Signature	August / September 2020
Contract Commencement	September 2020

5 Quality Assurance Requirements

Prior to commencement of any work under this Contract, a "Quality Plan" shall be produced by the Supplier and Subcontractors and submitted to the IO for approval, describing how they will implement the ITER Procurement Quality Requirements.

6 Contract Duration and Execution

The ITER Organization shall award Service Contract in the third quarter of 2020. The estimated contract duration for the supply and installation of the laboratory shall be 6 months. The contract duration for the training period shall be at least 12 months.

The working language of ITER is English, and a fluent professional level is required (spoken and written).

7 Experience

The tenderer shall demonstrate their knowledge, experience and capabilities in water analysis testing in regulated industries (e.g. power generation, water treatment plants, or chemical industries), including the supply of equipment, the performance of tests and training of laboratory technicians.

In addition, they shall demonstrate knowledge of the ATEX European Directive, the French ICPE regulation and the European REACH directive (1907/2006) on chemicals.

8 Candidature

Participation is open to all legal entities participating either individually or in a grouping/consortium. A legal entity is an individual, company, or organization that has legal rights and obligations and is established within an ITER Member State.

Legal entities cannot participate individually or as a consortium partner in more than one application or tender of the same contract. 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.

In order for a consortium to be acceptable, the individual legal entities included therein shall have nominated a leader with authority to bind each member of the consortium, and this leader shall be authorised to incur liabilities and receive instructions for and on behalf of each member of the consortium.

It is expected that the designated consortium lead will explain the composition of the consortium members in a covering letter at the tendering stage. Following this, the Candidate's composition must not be modified without notifying the ITER Organization of any changes. Evidence of any such authorisation shall be submitted to the IO in due course in the form of a power of attorney signed by legally authorised signatories of all the consortium members.

9 BREXIT Clause

On 31 January 2020, the UK left the EU and Euratom with a transition period from 1st February to 31 December 2020 to be used to determine the conditions of their future relationship. Euratom is the ITER Member and the withdrawal of the UK from Euratom leads to the fact that UK is not anymore party to the ITER project.

Until the 31 December 2020, current end date of the transition period, UK entities retain the right to participate in IO procurement procedures.

10 Sub-contracting Rules

All sub-contractors who will be taken on by the Contractor shall be declared with the tender submission. Each sub-contractor will be required to complete and sign forms including technical and administrative information which shall be submitted to the IO by the tenderer as part of its tender.

The IO reserves the right to approve any sub-contractor which was not notified in the tender and request a copy of the sub-contracting agreement between the tenderer and its sub-contractor(s). For each Contract, sub-contracting is allowed but it is limited to one level, and its cumulated volume is limited to 30% of the total Contract value. Two levels of sub-contracting may be considered for very specific activities which will be mentioned by the IO in the Tender documentation.

At the tender stage, the capacity of sub-contractors may be considered for special cases duly mentioned in the tenderers proposal. In such cases, a letter of intention will be required for the sub-contractors.

11 Nuclear Liability

The ITER Organization is the nuclear operator of the ITER nuclear fusion facility (INB 174) under French nuclear law. However, unlike other nuclear operators of nuclear fission installations in France, nuclear fusion installations are not covered by the Paris Convention on nuclear third party liability for the time being. Pending negotiations with the Contracting parties to the Paris Convention, the special nuclear liability regime (i.e. limited strict liability of the nuclear operator) implemented by the Paris Convention does not apply.

Therefore, the ITER Council, by a decision of 2009 endorsed that until a solution is found, the ITER Organization may assume this responsibility by providing a declaration and waiver of indemnity regarding nuclear liability to indemnify suppliers of the IO and their subcontractors in case they are held liable, based on the principles of the Paris convention, this in the understanding that if no regulatory solutions could be found before nuclear operations of the ITER facility started, a proper mechanism would be established by the ITER Members in accordance with Article 15 of the ITER Agreement.

This declaration and waiver of indemnity regarding nuclear liability will be included in the Contracts signed by the Contractors and the IO.