

Date: 07 November 2024

Reference: IO/MS/24/GRD/IDFI

Subject: **Market Survey for the In-vessel Diagnostic, Instrumentation & Fuelling (IDFI) Works**

Dear Madam/Sir,

The ITER Organization (IO) launches a Market Survey and requests information from companies having the interest, knowledge and capacity related to: **In-vessel Diagnostic, Instrumentation & Fuelling (IDFI) Works**.

The main purpose of this Market Survey is to evaluate the market situation and to identify candidate suppliers having the potential capabilities to respond to the IO solicitation.

Please note that this is not a Call for Nomination.

You will find enclosed to this Market Survey (**Annex I**) the Technical Summary for In-vessel Diagnostic, Instrumentation & Fuelling (IDFI) works at ITER Site (ITER_D_CBYMSS_V1.2).

china
eu
india
japan
korea
russia
usa

It should be noted that the ITER site is managed by the ITER Organization Coordination Team, that French working law applies, and that the contractor is responsible for obtaining visas and work permits required to work on French territory. The contractor will be required to produce a Specific Health & Safety Protection Plan (PPSPS). More generally, the Contractor will be bound to the IO Site Management regulations. Please find further requirements for work at ITER Site in Appendix 1 (at the end of this letter). Please note this is not an exhaustive list of such requirements but rather intended to provide an overview of key considerations.

The current contracting strategy is to proceed through progressive contracting via different tender procedures (which can be Restricted Tenders based on Market Survey outcomes) resulting into different successive contracts. The IO intent is to narrow the competition based on demonstrated competences and capacities until the selection of one Industrial Partner for the award and the delivery of works packages #3 and #4 as defined in Annex I.

The tentative schedule for the start of the works package #1 (i.e. Process development and qualification – off-site preparatory activity) would be in Q1 2025. The IO intends to award several contractors (at least two) to perform this first scope of works.

With this letter, we invite all potential companies, institutions or entities from ITER Member States to participate to this Market Survey through the questionnaire (**Annex II**).

We kindly invite the Domestic Agencies to publish this Market Survey on their websites or through other advertising methods, which will help to retrieve the requested information from a maximum of potential candidates.

Please return a completed questionnaire, **no later than 28 November 2024**, to the following email address guillaume.retaillaud@iter.org, copy to antoine.calmes@iter.org



Yours sincerely,

Antoine Calmes
Group Leader
Procurement for Plant & Machine Assembly
Procurement Division

Appendix 1: Work at ITER Site General Requirements

1. Contractor Personnel HSE and Qualification

French Labour Code, including obligations in relation to, shall bind the Contractor Occupational Health and Safety in the Workplace. The ITER Project is classified as a Category 1 activity, as per Article L4531-1 of the French Labour Code.

The Contractor remains responsible for the Health and Safety requirements of its own staff and has a legal obligation as an employer for the organisation of safety for his own team. Prior to the start of site activity, the Contractor shall submit a Specific Health and Safety Protection Plan for approval by IO Health and Safety Coordinator.

The Contractor remains responsible for obtaining relevant visa and work permit to carry out activity on French territory. The Contractor shall also ensure Suitably Qualified and Experienced Persons as mobilised.

Contractor will have to follow the applicable Environmental requirements at IO site.

2. Co-activity / Working Shifts / Cleanliness

Work Location

Works to be performed On-site within IO Assembly Buildings (e.g.: Building 11, Building 13/17)

Co-activity

The Contractor will be expected to work concurrently with other entities in the same geographical area during the performance of the works (e.g.: VV Sector Assembly contractor). IO Coordination team and their representatives will coordinate this interface, and priorities set and respected accordingly. The IO Coordination team is tasked with coordinating all the works performed by the Contractors safely and in such a manner as to achieve schedule optimization, cost reduction and compliance of the Works quality with the requirements established by the IO. For that aim, all works are carried out under the IO Permit to Work management system.

Working Shifts

Construction activities shall be executed in shifts if and when required, planned according to the IO construction calendars. Each calendar includes rest periods and National Holidays. Each Construction Activities shall be scheduled in the Construction Detail Work Schedule using the appropriate shift calendars.

Per definition the activities follow the here below pattern:

- 2 work shifts, 6 days per week;
- Non-Destructive Tests using X-rays performed during 3rd night shift.

The night shift is limited to the execution of hazardous activities like Radiographic Test.

The Executing Entity is responsible to ensure that their staff are compliant with the relevant French Labour Regulations and the EC Working Time Directive 2003/88/EC.

Cleanliness

Activities are performed in clean environment close to ISO 8 Cleanroom conditions.



As such contractor will be requested to follow the IO cleanliness protocol and train his staff for such protocol. Personnel Protection Equipment suitable for the related activities will have to be considered by the Contractor.

3. Nuclear Safety and Quality

Nuclear Safety

The ITER Organisation must observe French national laws and regulations in the fields of public and occupational health and safety, nuclear safety, radiation protection, licensing, nuclear substances, environmental protection and protection from acts of malevolence. The ITER facility is categorized as a Basic Nuclear Installation works (“INB”) under French law (Installation Nucléaire de Base – INB-174). The IO is the nuclear operator of this INB. The construction activities must comply with these authorisations including the applicable regulations, codes and standards and regulatory directives received at various stages of the construction.

Nuclear safety refers to all technical, individual and organizational measures taken in performing the work to ensure that the installation INB 174 will be able to be operated safely under all conditions.

The Contractor shall ensure that all Contractor’s Personnel involved in the provision of the Works for the Employer have demonstrable skills and understand any nuclear safety implications of failure of the product or service.

4. Quality

Quality Requirements shall be in accordance with the “ITER Procurement Quality Requirements” (to be informed at Procurement Stage). The ITER Quality Assurance Program shall be applied to all the work under this Contract. The ITER QA Program is based on IAEA Safety Standard GS-R-3 and on conventional QA principles and integrates the requirements of the INB Order dated 7 February 2012 on the quality of design, construction and operation in Basic Nuclear Installation.

Supplier and Subcontractors carrying out activities placed under the future Contract shall be in compliance with the QA requirements either through an existing IO approved QA Program or an ISO 9001 accredited quality system, complemented with the above-mentioned requirements.

In case of Contracts concerning SIC components and/or a Safety Related Activity, or PIC and/or Protection Related Activities, the Quality Assurance Programme of the Supplier shall comply with the requirements of the INB Order dated 7 February 2012 and the subsequent ASN decisions linked to this Order.