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

Date: 21 December 2021

**Call for Expertise Ref: IO/21/CFE/10022407/CPT**

**Thermal-Hydraulic Analysis and Structural Assessment of Equatorial Port #17 Port Plug with Integrated Disruption Mitigation System and Diagnostics**

Dear Madam/Sir,

The ITER Organization (IO) requests eligible companies, institutions and other entities to provide their proposal for the provision of services to perform the task named above. The objective of this Call for Expertise (CFE) tender process is to acquire the services of **one (1)** suitably qualified expert for a maximum contract period of 12 months. Unless specifically requested by the IO, the tenderer should not submit multiple CVs offering a variation of technical experience levels and costs.

The following documents are attached to allow you to propose your candidacy:

- Annex I: Technical Specification ref. ITER\_D\_66XKAS v1.0 dated 20 Oct 2021
- Annex II: Technical Experience Profile / CV (template)
- Annex III a and b : Cost breakdown & Price schedule (template)
- Annex IV: Statement of exclusivity and availability
- Annex V: Draft Special Conditions Service Contract
- Annex VI: ITER General Terms & Conditions for Service Contracts version 2014
- Annex VII: Declaration of Background Intellectual Property (BIP) (template)
- Annex VIII: Confidentiality commitment

**Documents required with your proposal:**

Tenderers must provide their own version of a technical proposal. As a minimum, the list of documents required is as follows:

- Technical offer including an implementation/management/quality plan - dated and signed
- Experience Profile / CV
- Financial Proposal – to be submitted dated and signed as a separate pdf doc.
- Statement of Exclusivity & Availability - duly signed & returned.
- Declaration of Background Intellectual Property (BIP) - duly signed & returned.

All documents submitted by the Tenderer shall become the property of the ITER Organization, and shall be considered strictly confidential.

**Deadline for submission of proposals:**

The time & date for receipt of proposals is **17.00 CET on 02 February 2022.**

**Address for submission of proposal:**

Proposals should be submitted by e-mail to: [chloe.perret@iter.org](mailto:chloe.perret@iter.org) and copied to [Jongeun.Lee@iter.org](mailto:Jongeun.Lee@iter.org).

### **Evaluation Process & Contract Award:**

Proposals will be evaluated by an impartial, professionally competent technical Evaluation Committee of the ITER Organisation. A contract will be awarded on the basis of best value for money according to the following:

**Technical Content - 60 points.** The tenderer must provide details demonstrating their knowledge and experience in the required subject, including a description of how they propose to carry out the work/deliverables in accordance with the technical specification.

The Evaluation Committee shall evaluate the information provided in the bidder's technical proposal in relation to the key criteria areas. No other criteria will be used.

### **Evaluation Criteria**

#	Criteria	section in the technical specification ref. D_66XKAS v1.0	Points
1	Experience in using ANSYS Classic & workbench v.15 or higher (and associated packages for analysis and pre-processing (SpaceClaim / DesignSpace))	Section 9	10
2	Experience in Mechanical (linear/non-linear/static/dynamic)		10
3	Experience in thermal-hydraulic analysis (single and coupled) of a large system (for example ITER port plug systems)		10
4	Experience in advanced Finite Element Analysis techniques (sub-modelling, interpolation, contact technologies, programming (APDL) and coupled field analysis)		10
5	Experience in structural assessment Code post-processing techniques (linearization and categorization of stresses, fatigue, limit analysis)		10
6	Experience in structural assessments using ITER-relevant nuclear Codes and Standards (RCC-MR ed. 2007)		10
Total			60

Only proposals passing the minimum technical score of 60% of 60 points (i.e. 36 points) will be considered technically compliant and eligible for the financial assessment.

**Financial Offer - 40 points.** The lowest priced financial offer will receive the maximum score of 40 points. All other financial offers will be divided into the lowest priced offer in turn (next highest) providing a score that is inversely proportionate to the price being offered.



Following the completion of the evaluation process described above, the proposal with the highest score out of a maximum of 100 points will be deemed to represent the best value for money.

**Eligibility**

Tenderers from the following ITER Member States are eligible for tendering:

- European Union (EURATOM Members),
- Republic of India,
- Japan,
- People's Republic of China,
- Republic of Korea,
- Russian Federation,
- United States of America

ITER Organization reserves the right to broaden the eligibility to other countries if deemed appropriate.

Yours sincerely,

Jong-Eun Lee  
Procurement Responsible Officer  
Procurement Engineering, Science, Operation and Corporate Section