+Call for Expertise: エキスパート募集

IO References: IO/25/CFE/10033202/AJI

“Manufacturing expertise works for IO ports"

（IO ポートの製造エキスパートワーク）

IO 締め切り 2025 年 10 月 9 日(木)

概要：

イーター機構（IO）では、上記タスクの支援をいただく作業を ITER 参加極の企業・機関等から募集します。応募を希望される企業・機関等は、所定の期限までに応募書類を直接 ITER 機構の下記担当までご提出下さい。

○ 今回の募集に関する書類は以下の通りです。

・招待状
・技術仕様書
・履歴書（CV）テンプレート
・見積もり提案書テンプレート
・誓約書
・守秘義務に関する誓約書(契約締結時に署名されること)

○ 応募者は、以下の申込用紙を ITER 機構に直接送付願います。

・履歴書（ITER 機構の招待状と技術仕様書で規定した要求事項と基準を満足していることを示す経験について明記されていること）
・誓約書（署名入り）
・見積もり提案書

（※提出書類は pdf ファイル 1 本にまとめて送付願います。）

○ 応募書類の提出先

ITER 機構の下記担当者宛に電子メールにて送付：

連絡先：**Joshi Aman Kumar**
Procurement & Contracts Division
ITER Organization
電話：+33 4 42 17　71 04
E-mail: Amankumar.Joshi@iter.org

〇はじめに

この事前情報通知（PIN）は、供給契約の審査および実行につながる公開入札調達プロセスの最初のステップです。この文書の目的は、作業範囲と入札プロセスに関する技術的内容の基本的な概要を提供することです。

〇背景

ITER プロジェクトは、欧州連合（EU）(EURATOM を代表とします）、日本、中華人民共和国、インド、韓国、ロシア連邦、米国の 7 カ国が共同出資する国際的な研究開発プロジェクトで、ITER 機構（IO）の本部（HQ）があるヨーロッパ、フランス南部のサン・ポール・レ・デュランスで建設されています。

ITER プロジェクトの組織面および技術面の詳細については、www.iter.org を参照してください。

〇作業範囲

この「IO ポートの製造エキスパートワーク」と題した本契約の目的は、技術仕様書にの EV827Q_v1.1 (本 PIN 文書の附則 I)に記載されたサービスの提供を調達することです。

〇調達プロセスと目的

目的は、競争入札プロセスを通じて供給契約を落札することです。

この入札のために選択された調達手続きは公開入札手続きと呼ばれます。

オープン入札手順は、次の 4 つの主要なステップで構成されています。

- ステップ 1-事前情報通知（PIN）

  事前情報通知は公開入札プロセスの第一段階です。IO は、関心のある候補企業に対し、21 作業日までに担当調達担当官に以下の情報を提出し、競争プロセスへの関心を示すよう正式に要請します。

  -候補会社の名称

  -登録国

  -連絡先の名前、電子メール、タイトル、電話番号。

  特に注意:

  関心のある候補企業は、IO Ariba の電子調達ツール 「IPROC」 に登録してください（まだ登録していない場合）。手順については、https://www.iter.org/fr/proc/overview を参照してください。

Ariba (IPROC) に登録する際には、お取引先様に最低１名の担当者の登録をお願いします。この連絡担当者は、提案依頼書の発行通知を受け取り、必要と思われる場合は入札書類を同僚に転送することができます。

- ステップ 2-入札への招待
  関心のある候補企業の完全登録後、提案依頼書（RFP）を 「IPROC」 に掲載します。この段階では、担当の調達担当者に関心を示し、かつ IPROC に登録している関心のある候補企業は、RFP が公表された旨の通知を受けることができます。その後、RFP に詳述されている入札説明書に従って提案書を作成し、提出します。

  このツールに登録されている企業のみが入札に招待され、登録されている企業は、自社の名前でのみ提案を提出できます。

- ステップ 3-入札評価プロセス
  入札者の提案は､IO の公平な評価委員会によって評価されます｡入札者は、技術的範囲に沿って、かつ、RFP に記載された特定の基準に従って作業を実施するために、技術的遵守を証明する詳細を提供しなければなりません。

- ステップ 4-落札
  認定は、公開されている RFP に記載されている、コストに見合った最適な価格または技術的に準拠した最低価格に基づいて行われます。

〇概略日程

概略日程は以下の通りです：

マイルストーン	暫定日程
IOWeb ページと DA との連絡により 事前指示書（PIN）の発行	2025 年 9 月 29 日
関心表明フォームの提出	2025 年 10 月 9 日
IPROC での提案リクエスト（REP）の発行	2025 年 10 月 10 日
IPROC で入札提出	2025 年 10 月 24 日
入札評価と契約授与	2025 年 10 月中旬
契約調印	2025 年 10 月 E
契約開始	2025 年 11 月

〇契約期間

予想される契約期間は、12 か月です。

〇経験

入札者は、IO の技術的要件に沿った期待される支援を提供するにあたり、その知識と経験と能力があることを英語で示す必要があります。ITER での使用言語は英語です。流暢でプロレベルが必要です（スピーキングとライティング共に)。

〇候補

参加は、個人またはグループ/コンソーシアムに参加するすべての法人に開放されます。法人とは、法的権利及び義務を有し、ITER加盟国内に設立された個人、企業又は機構をいいます。

法人は、単独で、またはコンソーシアムパートナーとして、同じ契約の複数の申請または入札に参加することはできません。共同事業体は、恒久的な、法的に確立されたグループ又は特定の入札手続のために非公式に構成されたグループとすることができます。
コンソーシアムのすべての構成員(すなわち、リーダーと他のすべてのメンバー)は、ITER機構に対して連帯して責任を負います。

コンソーシアムとして許可されるために、その点で含まれる法人はコンソーシアムの各メンバーをまとめる権限をもつリーダーをもたなければなりません。このリーダーはコンソーシアムの各目メンバーのために責任を負わなければなりません。

指名されたコンソーシアムのリーダーは、入札段階でのカバーレター(入札への招待)で、コンソーシアムのメンバーの構成を説明する予定です。その後、候補者の構成は、いかなる変更もITER機構に通知することなく変更してはなりません。かかる認可の証拠は、すべてのコンソーシアムメンバーの法的に授権された署名者が署名した委任状の形式で、しかるべき時期にIOに提出しなければなりません。

どのコンソーシアムメンバーもIPROCに登録する必要があります。

【※ 詳しくは添付の英語版技術仕様書「**Manufacturing expertise works for IO ports**」をご参照ください。】
ITER 機構のウェブサイト
http://www.iter.org/org/team/adm/proc/overview からもアクセスが可能です。

「核融合エネルギー研究開発部門」の HP： http://www.fusion.qst.go.jp/ITER/index.html では ITER 機構からの各募集（IO 職員募集、IO 外部委託、IO エキスパート募集）を逐次更新しています。ぜひご確認ください。

PRIOR INFORMATION NOTICE (PIN)

IO/25/CFE/10033202/AJI

Manufacturing expertise works for IO ports

Procurement Officer in charge:

Aman Kumar JOSHI
amankumar.joshi@iter.org
cc. chloe.perret@iter.org

Abstract.

The purpose of this PIN is to provide prior notification of the IO's intention to launch a competitive Call for Expertise process in the coming weeks. This PIN provides some basic information about the ITER Organisation (the "IO"), the technical scope for this tender, and details of the tender process.

1 Introduction

This Prior Information Notice (PIN) is the first step of a Call for Expertise Procedure 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.

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 Service

The purpose of this Contract titled "**Manufacturing expertise works for IO ports**" is to procure the provision of services described in the Technical Specifications, ref. **EV827Q_v1.1 (ANNEX I in this PIN document).**

4 Procurement Objective & Process

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

The procedure is comprised of the following four main steps:

- Step 1- Prior Information Notice (PIN)
  The Prior Information Notice is the first stage of the process. The IO formally invites interested candidate companies to indicate their interest in the competitive process, within **10 calendar days**, by returning to the Procurement officer in charge the following information by the date indicated under paragraph 5 below:

  - Name of candidate company
  - Country of registration
  - Point of contact name, email, title, and phone number.

Special attention:

Interested candidate companies are kindly requested to register in the IO Ariba e-procurement tool called "IPROC", if not so done yet. The process on how to do is described at the following link: https://www.iter.org/fr/proc/overview.

When registering in Ariba (IPROC), suppliers are kindly requested to register at least one contact person. This contact person will be receiving the notification of publication of the Request for Proposal and will then be able to forward the tender documents to colleagues if deemed necessary.

- Step 2 - Request for Proposals
  After the full registration of interested candidate companies, the Request for Proposals (RFP) will be published in "IPROC". This stage allows interested candidate companies who have indicated their interest to the Procurement Officer in charge AND who have registered in IPROC to receive the notification that the RFP is published. They will then prepare and submit their proposals in accordance with the tender instructions detailed in the RFP.

  Only companies registered in this tool will be invited to the tender and registered company can only submit a proposal in their name.

- Step 3 – Tender Evaluation Process
  Tenderers proposals will be evaluated by an impartial evaluation committee of the IO. 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 RFP (given in section 5).
- Step 4 – Contract Award
  The award will be done on the basis of best value for money or lowest price technically compliant offer as described in the published RFP.

5 Procurement Timetable

The tentative timetable is as follows:

Milestone	Date
Publication of the Prior Indicative Notice (PIN) on IO Webpage and communications with DAs	29 Sept 2025
Deadline for Submission of expression of interest form	9 Oct 2025
Request for Proposals (RFP) publishing on IPROC	10 Oct 2025
Tender Submission in IPROC	24 Oct 2025
Tender Evaluation & Contract Award	Mid Oct 2025
Contract Signature	End Oct 2025
Contract Commencement	Nov 2025

6 Contract Duration and Execution

The estimated contract duration shall be 12 months.

7 Experience

The tenderers shall demonstrate their knowledge, experience and capabilities in the implementation of providing expected supports in accordance with the IO technical requirements.

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

8 Candidature

Participation is open to all legal entities participating either individually or in a grouping/consortium. A legal entity is a 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 leader will explain the composition of the consortium members in its offer. 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.

Any consortium member shall be registered in IPROC.

9 Sub-contracting Rules

No subcontracting is allowed for this package.

IDM UID
EV827Q

VERSION CREATED ON / VERSION / STATUS
03 Sep 2025 / 1.1 / Approved

EXTERNAL REFERENCE / VERSION

Technical Specifications (In-Cash Procurement)

Technical Specifications for manufacturing expertise works for IO ports

This contract covers the provision of technical expertise to the ITER Organization (IO) in the context of manufacturing activities for IO-led diagnostic port components.

Table of Contents

1 Preamble

This Technical Specification must be read in conjunction with the General Management Specification for Service and Supply (GM3S) – [Ref 1], which forms an integral part of the technical requirements.

2 Purpose

This contract covers the provision of technical expertise to the ITER Organization (IO) in the context of manufacturing activities for IO-led diagnostic port components.

3 Scope

The contractor shall operate under the leadership and guidance of IO Responsible Officers (ROs), contributing to the design phase, manufacturing preparation, and activities related to the follow-up of industrial execution, ensuring alignment with IO's technical, quality, and schedule requirements.

The contractor will collaborate with IO ROs in the definition and consolidation of interfaces between integrated systems, port infrastructure, and major components. This includes active participation in design reviews, interface coordination meetings, and documentation preparation to ensure coherent integration across systems.

The contractor shall assist IO ROs in the preparation and review of technical specifications for manufacturing, providing expert input on manufacturability, material selection, and compliance with applicable standards. This includes drafting, revising, and validating technical documentation required for procurement and manufacturing readiness.

During the execution phase, the contractor will contribute to the monitoring of manufacturing contracts with industry, including tracking progress, identifying risks or deviations, and proposing resolution strategies, always under IO's direction.

The contractor will also perform Quality Control (QC) checks during manufacturing activities, in accordance with IO procedures and instructions, ensuring traceability and compliance with defined specifications.

The contractor will participate in the preparation and execution of Factory Acceptance Tests (FATs) alongside IO ROs, assisting in test planning, witnessing, and reporting, and ensuring that test outcomes are properly documented and evaluated.

Specific tasks include involvement in the procurement and manufacturing of Boron Carbide (B4C) components for SRO diagnostic ports, manufacturing of Diagnostic First Walls (DFWs), port plug components EQ12, EQ11, and UP7, and preparation for the manufacturing of Lower of Port #2 (LoP#2), including readiness assessments and documentation.

All activities shall be conducted in compliance with IO's quality assurance protocols, safety standards, and project governance, with the contractor acting as a technical interface between IO and industrial partners.

4 Acronyms & Definitions

4.1 Acronyms

B4C: Boron Carbide

CAD: Computer Assisted Design

CV: Curriculum Vitae

CRO: Contract Responsible Officer
DFW: Diagnostics First Wall
DSM: Diagnostics Shielding Module
FAT: Factory Acceptance Test
GM3S: General Management Specification for Service and Supply
IO: ITER Organization
IO-TRO: ITER Organization technical Responsible Officer
NDT: Non-Destructive Testing
PIA: Protection Important Activity
PIC : Protection Important Component
PP: Port Plug
QA: Quality Assurance
QC: Quality Control
RO: Contract Responsible Officer
TRO: Technical Responsible Officer

For a complete list of ITER abbreviations see: ITER Abbreviations (ITER_D_2MU6W5).

4.2 Definitions

Contractor: shall mean an economic operator who have signed the Contract in which this document is referenced.
Other definitions can be examined in the section 2.1 of the GM3S Ref [1] and may be required to ensure proper understanding of the document.

4.3 Applicable Documents

This is the responsibility of the Contractor to identify and request for any documents that would not have been transmitted by IO, including the below list of applicable documents.

This Technical Specification takes precedence over the referenced documents. In case of conflicting information, this is the responsibility of the contractor to seek clarification from IO.

Upon notification of any revision of the applicable document transmitted officially to the contractor, the contractor shall advise within 4 weeks of any impact on the execution of the contract. Without any response after this period, no impact will be considered.

1	General Management Specification for Service and Supply (GM3S)	82MXQK	1.4
2	ITER Procurement Quality Requirements	22MFG4	5.1
3	Procurement Requirements for Producing a Quality Plan	22MFMW	4.0
4	Software qualification policy	KTU8HH	2.0
5	Procedure for the Usage of the ITER CAD Manual	2F6FTX	1.1

5 Estimated Duration

The duration shall be for 12 months from the starting date of the task order.

6 Location for Scope of Work Execution

Work shall be carried off-site. Remote collaboration tools must be used for interactions. Several visits to ITER may be planned.

7 Work Description

The work is split in 4 main tasks:

1. Provide manufacturing expertise and QA/QC follow-up for the technical monitoring of diagnostic Port Plugs EQ12, EQ11, UP4, UP5, UP6, and UP7 under the coordination of the responsible IO RO. This includes review of manufacturing documentation, inspection plans, and compliance with ITER quality standards.
2. Deliver manufacturing expertise and QA/QC follow-up for the production of Diagnostic First Walls (DFWs) and Port Plug Structures (PPS) for EQ12, EQ11, UP4, UP5, UP6, and UP7. Activities include verification of fabrication processes, inspection records, and conformity to design and quality requirements.
3. Provide manufacturing expertise and QA/QC follow-up for the technical monitoring of contracts related to the manufacturing of IO Upper Port Plugs (UP4, UP5, UP6), under the coordination of the IO Contract Responsible Officers (CROs). This includes participation in quality audits, review of contractor deliverables, and resolution of non-conformities.
4. Assist the IO RO in the preparation phase for the manufacturing of Lower of Port #2 (LoP#2), including support in defining QA/QC requirements, reviewing manufacturing readiness documentation, and ensuring alignment with ITER quality procedures.

For quotation purposes, the estimated effort for the services requested is 240 man-days evenly distributed among the four tasks. The breakdown is presented in table of deliverables included in section 8.

The deliverables of these four tasks will be a report issued quarterly summarizing the areas where the technical consultancy and expertise is given, describing the particular subjects addressed and substantiating the reports with the associated references, including IDM links to the concerned manufacturing documentation. A final report is expected as last deliverable of this TO that will include a summary of the activities performed and reported already during the 3 first quarters plus the description of works performed during the last quarter.

The intermediate and final report shall be well structured describing the expertise and consultancy works executed on the particular manufacturing aspects and grouping them task by task. Same philosophy will be followed in the production of the final report.

7.1 Contractor's Responsibilities

In order to successfully perform the tasks in these Technical Specifications, the Contractor shall:

- Strictly implement the IO procedures, instructions and use templates.
- Provide experienced and trained resources to perform the tasks, profiles must be accredited by CVs and background summary.

- Contractor's personnel shall possess the qualifications, professional competence and experience to carry out services in accordance with IO rules and procedures.
- Contractor's personnel shall be bound by the rules and regulations governing the IO ethics, safety and security IO rules.

7.2 IO's Responsibilities

The IO shall:

- Nominate the Responsible Officer to manage the Contract.
- Organise a periodic meeting(s) on work performed (minutes and agendas shall be prepared by the contractor).
- Provide all necessary specific ITER technical inputs to execute the work.

8 List of Deliverables and due dates

The Supplier shall provide IO with the documents and data required in the application of this technical specification, the GM3S Ref [1] and any other requirement derived from the application of the contract.

The main deliverables are provided in the table below.

Del.	Del. type	Deliverable Title	Description	Format	Due Date	Estimation (man-days)
D1	Intermediate delivery	1st Quarterly report on manufacturing expertise works of Diagnostic Ports	1st Quarterly Report summarizing and describing expertise works executed on Tasks #1, #2, #3 and 4	Progress Report	T0 + 3 months	60
D2	Intermediate delivery	2nd Quarterly report on manufacturing expertise works of Diagnostic Ports	2nd Quarterly Report summarizing and describing expertise works executed on Tasks #1, #2, #3 and 4	Progress Report	T0 + 6 months	60
D3	Intermediate delivery	3rd Quarterly report on manufacturing expertise works of Diagnostic Ports	3rd Quarterly Report summarizing and describing expertise works executed on Tasks #1, #2, #3 and 4	Progress Report	T0 + 9months	60
D4	Intermediate delivery	Final report on manufacturing expertise works of Diagnostic Port	Final report summarizing and describing expertise works executed on Tasks #1, #2, #3 and 4	Final Report	T0 + 12 months	60

(*) T0 = Commencement Date of the contract; X in months.

9 Acceptance Criteria

The deliverables will be posted in the Contractor's dedicated folder in IDM, and the acceptance by the IO will be recorded by their approval by the designated IO TRO. These criteria shall be the basis of acceptance by IO following the successful completion of the services. These will be in the form of reports as indicated in section 8, Table of deliverables.

10 Specific requirements and conditions

Technical Qualifications

- Proven experience in manufacturing processes for complex mechanical components, preferably in nuclear or fusion environments.
- Familiarity with ITER diagnostic systems, especially Port Plugs, DFWs, and PPS.
- Strong understanding of welding, machining, NDT, and QA/QC procedures.
- Experience in technical follow-up and coordination with multidisciplinary teams.

Education & Certifications

- Degree in Mechanical Engineering, Manufacturing Engineering, or related field.
- Certifications in quality assurance, project management, or welding inspection are a plus.

Professional Experience

- Minimum 5 years of experience in manufacturing follow-up for large-scale engineering projects in nuclear fusion field.
- Experience working with or for international organizations or in multi-contractor environments.

Soft Skills & Conditions

- Excellent communication and reporting skills in English.
- Ability to work under IO RO and CRO coordination, respecting project timelines and deliverables.
- Willingness to travel to manufacturing sites and participate in on-site inspections.
- Strong problem-solving mindset and ability to adapt to evolving project needs.

11 Work Monitoring / Meeting Schedule

Work is monitored through reports on deliverables (see List of Deliverables section) and at weekly project meetings.

12 Delivery time breakdown

See Section 7 “List Deliverables section and due dates”.

13 Quality Assurance (QA) requirements

The Quality class under this contract is 2, [Ref 1] GM3S section 7 applies in line with the defined Quality Class. The organisation conducting these activities should have an ITER approved QA Program or an ISO 9001 accredited quality system.

The general requirements are detailed in ITER Procurement Quality Requirements [Ref 2].

Prior to commencement of the task, a Quality Plan must be submitted for IO approval giving evidence of the above and describing the organisation for this task; the skill of workers involved in the study; any anticipated sub-contractors; and giving details of who will be the independent checker of the activities [Ref 3].

Documentation developed as the result of this task shall be retained by the performer of the task or the DA organization for a minimum of 5 years and then may be discarded at the direction of the IO. The use of computer software to perform a safety basis task activity such as analysis

and/or modelling, etc. shall be reviewed and approved by the IO prior to its use, in accordance with Software qualification policy [Ref 4].

14 CAD Design Requirements (if applicable)

This contract does not imply CAD activities. Contractor may receive CAD data for information purpose only from IO-TRO following rules and guidelines given in [Ref 5].

15 Safety requirements

Part of the scope under this contract may cover for PIC and/or PIA, [Ref 1] GM3S section 5.3 applies.

Expression of Interest

To be returned by e-mail to: amankumar.joshi@iter.org copy chloe.perret@iter.org
before 09 October 2025, 17.00 CEST

ITER Organization / ITER Headquarters
Procurement & Contracts Division
Route de Vinon-sur-Verdon
CS 90 046
13067 St. Paul Lez Durance Cedex
France

TENDER No. **IO/25/CFE/10033202/AJI**

TENDER Title: **Manufacturing expertise works for IO ports**

Officer in charge: **Aman JOSHI - Procurement Division ITER**

☐ We acknowledge receipt of all tender documents for the above mentioned tender.
(In event of missing documents, contact the ITER Officer in charge)

☐ We intend to submit a tender

Contact Person for this solicitation Process:

Name: ..... Tel: .....

Position: ..... E-mail address: .....

Signatory Name: .....

Company Stamp

Title: .....

Signature: .....

Date: .....