外部委託業者の募集

References: IO/25/OT/10031035/SCD

"Procurement of analysis services on systems and components of Magnet Feeder"

(マグネットフィーダーのシステムと機器に関する解析サービスの調達)

IO 締め切り 2025 年 4 月 30日(水)

○はじめに

本事前情報通知 (PIN) は、作業契約の入札授与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、作業範囲および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。

○背景

ITER は平和利用の核融合発電の科学的および技術的な実現可能性の実証を目的とした、国際共同研究開発プロジェクトです。ITER 機構の 7 つのメンバーは、;欧州連合(EURATOM が代表)、日本、中華人民共和国、インド、大韓民国、ロシア連邦、および米国です。

ITER の敷地はフランス南東部のブーシュデュローヌ地区にあり、ITER 本社(HQ)もあるフランス CEA サン・ポール・レ・デュランス に近いところに位置しています。詳細については、ITER のウェブサイト http://www.iter.org を参照して下さい。

○作業範囲

本件の作業範囲は、マグネットフィーダーのシステムと機器に関する解析サービスを含みます。

ITERプロジェクトの組織的および技術的な側面を含む完全な説明については、www.iter.orgをご覧ください。

○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<u>公開入札</u>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、以下の概略日程に示された期日までに担当調達担当官に添付の関心表明フォームで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。

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

関心表明の提出後、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。

○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
事前指示書 (PIN) の発行	2025年3月31日
関心表明フォームの提出	2025年4月15日
iPoc での入札への招待 (ITT)	2025年6月16日
明確化のための質問	2025年8月5日
明確化のための質問回答	2025年8月10日
入札提出	2025年8月15日
契約授与	2025年9月15日
契約調印	2025 年 9 月 30 日

○契約期間と実行

ITER機構は2025年の11月の中旬に供給契約を授与する予定です。契約開始後の14か月以内に解析の固定部分は完了する必要があります。契約のオプション期間は、開始後2か月以内までの完了とします。

○経験

候補者は、適用される基準および ITER 品質と安全性の要件に完全に準拠して、必要な商品およびサービスを提供する能力があることを示さなければなりません。

○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。ITER 加盟国 は欧州連合(EURATOM メンバー)、日本、中華人民共和国、インド共和国、大韓民国、ロシア連邦 、アメリカ合衆国です。

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、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「Procurement of analysis services on systems and components of Magnet Feeder」をご参照ください。】

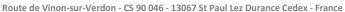
ITER 公式ウェブ http://www.iter.org/org/team/adm/proc/overview からもアクセスが可能です。

「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。

イーター国際核融合エネルギー機構からの外部委託 に関心ある企業及び研究機関の募集について

<ITER 機構から参加極へのレター>

以下に、外部委託の概要と要求事項が示されています。参加極には、提案された業務に要求される能力を有し、入札すべきと考える企業及び研究機関の連絡先の情報を ITER 機構へ伝えることが求められています。このため、本研究・業務に関心を持たれる企業及び研究機関におかれましては、応募書類の提出要領にしたがって連絡先情報をご提出下さい。





PRIOR INDICATIVE NOTICE (PIN) OPEN TENDER SUMMARY IO/25/OT/ 10031035 /SCD

for

Procurement of analysis services on systems and components of Magnet Feeder

Abstract

The purpose of this summary is to provide prior notification of the IO's 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 **Procurement of analysis services on systems and components of Magnet Feeder.**

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 Supply 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 Work

The Scope of Work (SoW) includes analysis services on systems and components of Magnet Feeder.

Detailed in the Technical Specification.

4 Procurement Process & Objective

The objective is to award a Supply 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 Information Notice (PIN)

The Prior Information Notice is the first stage of the Open Tender process. The IO formally invites interested Suppliers to indicate their interest in the competitive process by returning to the Procurement officer in charge the attached "Expression of Interest and PIN Acknowledgement" by the date indicated under the procurement timetable.

Special attention:

Interested tenderers are kindly requested to register in the IO Ariba e-procurement tool called "IPROC". You can find all links to proceed along with instruction going to: https://www.iter.org/fr/proc/overview.

When registering in Ariba (IPROC), suppliers are kindly requested to nominate 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 - Invitation to Tender

After the deadline of expression of interest (as shown in the Procurement Time table) following the publication of the PIN, the Request for Proposals (RFP) will be published on our digital tool "Iproc". This stage allows interested bidders 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.

➤ 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.

➤ Step 4 – Contract Award

A Supply contract will be awarded on the basis of lowest price technically compliant according to the evaluation criteria and methodology described in the RFP.

Procurement Timetable

The tentative timetable is as follows:

Milestone	Date
Publication of the Prior Indicative Notice (PIN)	31/03/2025
Submission of expression of interest form	15/04/2025
Invitation to Tender (ITT) launched on iPROC	16/06/2025
Clarification Questions Deadline	05/08/2025
Clarification Response Deadline	10/08/2025
Tender Submission	15/08/2025
Contract Award	15/09/2025
Contract Signature	30/09/2025

5 Quality Assurance Requirements

The organisation conducting these activities should have either an ITER approved QA Program or an ISO 9001 accredited quality system which shall further be aligned with the IO QA practices/requirements.

6 Contract Duration and Execution

The ITER Organization shall award the Supply Contract around mid of November 2025. The firm part of the analyses shall be completed within 14 months after the Contract enters into force. The Option part of the contract shall be completed within 2 months after the option released.

7 Experience

The candidates shall need to demonstrate that they have the capabilities to supply the required goods and services in full compliance with the applicable standards as well as with the ITER quality and safety

requirements.

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, 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.

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.

All consortium members shall be registered in IPROC.

9 Sub-contracting Rules

All sub-contractors who will be taken on by the Contractor shall be declared with the tender submission in IPROC. 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.

All declared sub-contractors must be established within an ITER Member State in order to participate.

The IO reserves the right to approve (or disapprove) any sub-contractor which was not notified in the tender and request a copy of the sub-contracting agreement between the tenderer and its subcontractor(s). Rules on sub-contracting are indicated in the RFP itself.



IDM UID CCX4YV

VERSION CREATED ON / VERSION / STATUS

20 Mar 2025 / 1.2 / Approved

EXTERNAL REFERENCE / VERSION

Technical Specifications (In-Cash Procurement)

Technical Specification of Feeder Analysis Contract (service)

This document is to describe the scope of work to be provided by the Contractor to the ITER Magnet Delivery Project.

The purpose of this contract is to provide analysis services on systems and components of Magnet Feeder.

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1 Preamble

This Technical Specification is to be read in combination with the General Management Specification for Service and Supply (GM3S) – [Ref 1] that constitutes a full part of the technical requirements.

In case of conflict, the content of the Technical Specification supersedes the content of Ref [1].

2 Purpose

This document is to describe the scope of work to be provided by the Contractor to the ITER Magnet Delivery Project.

The purpose of this contract is to provide analysis services on systems and components of Magnet Feeder.

3 Acronyms & Definitions

3.1 Acronyms

The following acronyms are the main one relevant to this document.

Abbreviation	Description	
CRO	Contract Responsible Officer	
GM3S	General Management Specification for Service and Supply	
IO	ITER Organization	
PRO	Procurement Responsible Officer	
TF	Toroidal Field	
PF	Poloidal Field	
CS	Central Solenoid	
PA	Procurement Arrangement	
ICF	In Cryostat Feeder	
SSC	System, Structure and Component	
ICF	In-Cryostat Feeder	
CFT	Cryostat FeedThrough Feeder	
KOM	Kick-Off Meeting	

3.2 Definitions

Contractor: shall mean an economic operator who have signed the Contract in which this document is referenced.

4 Applicable Documents & Codes and standards

4.1 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 reference 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.

Ref	Title	IDM Doc ID	Version
1	General Management Specification for Service and Supply (GM3S)	82MXQK	1.4
2	Load Specifications (LS)	222QGL	6.2
3	Magnet Feeder System Load Specification	5K2Q5B	2.5
4	Global Tokamak Seismic Analysis Report	33W3P4	2.1
5	Design Seismic Floor Response Spectra in the Tokamak Complex	SVBRJZ	1.1
6	SL-3 Floor Response Spectra for Tokamak Complex	SFSN7Q	2.0
7	Safety Important Functions and Components Classification Criteria and Methodology	347SF3	1.8
8	ITER Seismic Nuclear Safety Approach	2DRVPE	1.6
9	Report of final design of TF ICF structure	44TLW2	2.1

4.2 Applicable Codes and Standards

This is the responsibility of the contractor to procure the relevant Codes and Standards applicable to that scope of work.

Ref	Title	Doc Ref.	Version
CS1	Pressure Equipment Directive		2014-68 EU
CS2	Magnet Structural Design Criteria: Part 1: Main Structural Components and Welds	2FMHHS	2.0
CS3	Part II: Magnet Windings (Radial Plates and Conductors) with High and Low Voltage Insulation and Epoxy Filler	2ES43V	2.0
CS4	Part III: Bolts, Keys, Supports and Special Components	2FKTTG	2.0
CS5	Structural Design Criteria for Magnet Shipping and Assembly	SVNT35	2.0
CS6	EN13480-3 Metallic Industrial Piping – Design and Calculation		August 2002
CS7	EN13480-4 Metallic Industrial Piping – Fabrication and Installation		October 2012

5 Scope of Work

This section defines the specific scope of work for the service, in addition to the contract execution requirement as defined in Ref [1].

5.1 Firm part

5.1.1 Scope of work #1

5.1.1.1 Description

Structural analysis of CS Feeders integrated with CS coil terminals and updated boundary condition from CS coil analysis. Two feeders to be analysed: one at lower level and the other at upper level. The 3D model of analysed feeder will be provided to Contractor after KOM.

The analysis must consider all loads in Ref [2], Ref [3] and seismic loads in Ref [5], Ref [6], by using report template Ref [4].

Detail analysis on conductor and clamp contact shall be included to investigate the gap distribution impact on stress level in conductor and interface load during manufacturing and assembly.

Local detail analysis shall be performed if stress concentration and sensitivity are detected by global structural analysis.

5.1.1.2 Service Duration

The maximum expected duration for this activity is 6 months.

5.1.2 Scope of work #2

5.1.2.1 Description

Structural analysis of PF Feeders integrated with PF coil terminals and updated boundary condition from PF coil analysis. Two feeders to be analysed: one at lower level and the other at upper level. The 3D model of analysed feeder will be provided to Contractor after KOM.

The analysis must consider all loads in Ref [2], Ref [3] and seismic loads in Ref [5], Ref [6], by using report template Ref [4].

Detail analysis on conductor and clamp contact shall be included to investigate the gap distribution impact on stress level in conductor and interface load during manufacturing and assembly. "

Local detail analysis shall be performed if stress concentration and sensitivity are detected by global structural analysis.

5.1.2.2 Service Duration

The maximum expected duration for this activity is 4 months.

5.1.3 Scope of work #3

5.1.3.1 Description

Structural analysis of CC Feeders integrated with CC coil terminals and updated boundary condition from CC coil analysis. Two feeders to be analysed: one at lower level and the other at upper level. The 3D model of analysed feeder will be provided to Contractor after KOM.

The analysis must consider all loads in Ref [2], Ref [3] and seismic loads in Ref [5], Ref [6], by using report template Ref [4].

Detail analysis on conductor and clamp contact shall be included to investigate the gap distribution impact on stress level in conductor and interface load during manufacturing and assembly.

Local detail analysis shall be performed if stress concentration and sensitivity are detected by global structural analysis.

5.1.3.2 Service Duration

The maximum expected duration for this activity is 4 months.

5.2 Optional part

5.2.1 Scope of work #4

5.2.1.1 Description

Structural analysis of ICF integrated with handling tools for on-site assembly. The 3D model of analysed feeder and tooling will be provided to Contractor.

The quantity and feeder type will be defined after previous scope of work are completed.

The analysis must consider all loads in Ref [2], Ref [3] and seismic loads in Ref [5], Ref [6], by using report template Ref [4].

Local detail analysis shall be performed if stress concentration and sensitivity are detected by global structural analysis.

5.2.1.2 Service Duration

The maximum expected duration for this activity is 2 months per analysis.

6 Location for Scope of Work Execution

Contractor can perform the work at their own location.

7 IO Documents

Under this scope of work, IO will deliver the following documents by the stated date:

Ref	Title	Doc ID	Expected date
1	3D model of Feeder and related coils		KOM

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.

A minimum, but not limited to, list of documents is available hereafter with associated due dates:

	Technical Design Family (TDF)	Generic Document Title (GTD)	Further Description	Expected date (T0+x) *
Firm Part	Engineering Analysis and Calculation	Structural Integrity Report Seismic Analysis	Analysis report of CS Feeders Seismic analysis report of CS	T0*+6
	Report Engineering	Report Structural	Feeders Analysis report of PE Fooders	T0*+10
	Analysis and Calculation Report	Integrity Report Seismic Analysis	Analysis report of PF Feeders Seismic analysis report of PF	10.+10
		Report	Feeders	
	Engineering Analysis and Calculation Report	Structural Integrity Report	Analysis report of CC Feeders	T0*+14
		Seismic Analysis Report	Seismic analysis report of CC Feeders	
Optional Part	Engineering Analysis and Calculation Report	Simulation Analysis Report	Simulation analysis report of integrated feeder with tooling	T1*+2

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

Supplier is requested to prepare their document schedule based on the above and using the template available in the GM3S Ref [1] appendix II (click here to download).

9 Quality Assurance requirements

The Quality class under this contract is Class 1, [Ref 1] GM3S section 8 applies in line with the defined Quality Class.

10 Safety requirements

The scope under this contract covers for PE/NPE components, [Ref 1] GM3S section 5.3 applies.

10.1 Nuclear class Safety

Not Applicable.

10.2 Seismic class

The scope under this contract covers components for SC-1 (SF) safety requirement.

T1=the date of the release of the Option

11 Special Management requirements

Requirement for [Ref 1] GM3S section 6 and 7 applies completed/amended with the below specific requirements:

11.1 Contract Gates

The contract gates are defined in [Ref 1] section 6.1.5, this scope of service call for the following technical gates:

- KOM
- Analysis report and data review for each work scope in section 5.
- Close-out

11.2 Meeting Schedule

Meetings can be organized face to face or remotely as agreed by the Parties.

- After contract signature, a KOM shall be organized to make sure all necessary data has been provided to contractor.
- Regular progress shall be tracked by weekly meeting.
- Final review meeting shall be organized for each work scope to verify the deliverable.
- Upon request of any party, the Contractor or IO, ad hoc meeting can be organized to tackle any specific topics not covered in the planned meetings

11.3 CAD design requirements

This contract does not imply CAD activities.

ANNEX I

EXPRESSION OF INTEREST & PIN ACKNOWLEDGEMENT

To be returned by e-mail to: shuying.clochard@iter.org with copy to Celine.Dimento@iter.org

TENDER No. DESIGNATION of SERVICES:		IO/25/OT/ 10031035 /SCD Procurement of analysis services on systems and components of Magnet Feeder.	
OFFICE	R IN CHARGE:	Shuying Clochard EXT – Procurement Division ITER Organization	
	WE ACKNOWLEDGE MENTIONED TENDE	E HAVING READ THE PIN NOTICE FOR THE ABOVE R	
	WE INTEND TO SUB	MIT A TENDER	
Are you r	registered in Iproc (only	entities registered in Iproc will be invited to tender): YES NO, but we shall register before the tender launch	
	Signature:	COMPANY STAMP	
	Name:		
	Position:		
	Tel:		
	E-mail		
	Date:		