外部委託業者の募集

References: IO/25/OT/70001297/JLE

"Framework Contract for Diagnostic Electrical Services Implementation"

(電気計測サービス据付けの枠組み契約) IO 締め切り 2025 年 6 月 9 (月)

○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。

本文書の目的は作業範囲と入札プロセスに関する技術的な内容の基本的な要約を提供することです。

〇背景

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。

〇作業範囲

本フレームワーク契約の目的は、「計測用電気サービス」に対し、専門的な工学技術と関連サービス(試験、 モックアップおよびプロトタイプの製作を含む)を提供することです。これは、ITER真空容器内の重要な計 測センサーや計測器と、周辺建屋にある関連する電子機器および電源とを接続する信号伝送線路および電力 伝送線路を提供するためです。

本契約は、電気サービス全体のうち以下の部分に焦点を当てています。

- 容器内電気サービス (55.NE.V0)
- ダイバータ内電気サービス (55.NE.D0)
- 容器内電気貫通部 (55.NE.VO-EFT)
- クライオスタット内電気貫通部 (55.NE.CO)

ITER機構は、この重要なシステムを成功裏に導入するために、専門的な工学技術を必要としています。これ により、最終設計、製造、試験、および設置活動が期日通りに高品質で完了することを確実にします。

本フレームワーク契約は、プロジェクトの様々な想定されるタスクをカバーするタスクオーダーによって授 与されます。 技術仕様書のref. ITER_D_CC4JQY v1.2(本PINの付属書1)を参照下さい。

○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、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:

<u>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、</u>

https://www.iter.org/fr/proc/overview

<u>を参照してください。</u>

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

PIN の発行から 10 作業日経過後、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5月26日
関心表明フォームの提出	2025年6月9日
iProc での提案依頼書 (RFP) の発行	2025年6月16日の週
明確化のための質問(もしあれば)	2025 年 7 月 31 日(質問締切り)
	2025 年 8 月 5 日(回答締切り)
iPROC での入札提出	2025年8月15日
入札評価と契約授与	2025 年 9 月または 10 月
枠組み契約調印	2025年11月
最初のタスクオーダー開始	2024 年 11 月または 12 月

○契約期間と実行

ITER機構は2025年の11月ごろ供給契約を授与する予定です。予想される契約期間は6年です。

○経験

入札者は、IOの技術要件に従って、IOへのサービス提供を実施する上での知識、経験、能力を実証 する必要があります。

必須の経験と能力

- 原子力、核融合、粒子加速器産業または類似分野における複雑な機械設計の経験
- 機械的、熱的、電磁的負荷解析の経験
- CAD 活動の仕様策定、性能評価、技術的なフォローアップ、および 3D モデルを用いた複雑 な環境での統合に関する経験
- 真空設計要件および関連する試験(例:ヘリウムリーク試験)の経験
- 複雑な高精度コンポーネントの製造仕様策定とフォローアップの経験
- 設置活動の仕様策定とその後の監督の経験

ITER の作業言語は英語であり、流暢なビジネスレベル(会話および筆記)が求められます。

○侯補

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「Framework Contract for Diagnostic Electrical Services Implementation (55.NE.VO, VO-EFT, CO, DO)」をご参照ください。】 ITER 公式ウェブ <u>http://www.iter.org/org/team/adm/proc/overview</u>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 INFORMATION NOTICE (PIN)

TENDER SUMMARY

IO/25/OT/70001297/JLE

for

Framework Contract for Diagnostic Electrical Services Implementation (55.NE.V0, V0-EFT, C0, D0)

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 "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 an Open Tender Procurement Process leading to the award and execution of a 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 order to alert companies, institutions or other eligible entities to the forth-coming tender, allowing interested parties time to decide whether to participate in the tender or not.

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 <u>www.iter.org</u>.

3 Scope of Work

The purpose of the Framework Contract is to provide the specialist engineering expertise and relevant services (includes testing and production of mock-ups and prototypes) for the "Diagnostic Electrical Services" in order to provide signal and power transmission lines to link vital diagnostic sensors and instrumentation in the ITER Vacuum Vessel with their associated electronics and power supplies in the surrounding buildings.

This contract focusses on the following parts of the overall Electrical Services:

- In-Vessel Electrical Services (55.NE.V0)
- In-Divertor Electrical Services (55.NE.D0)
- In-Vessel Electrical Feedthroughs (55.NE.V0-EFT)
- In-Cryostat Electrical Feedthroughs (55.NE.C0)

The ITER Organization needs specialist engineering expertise in order to successfully implement this key system, ensuring the final design, manufacturing, testing and installation activities are completed on time and to high levels of quality.

A Framework Contract will be awarded with Task Orders covering the different foreseen tasks of the project.

The details can be found in the **Technical Specifications ref. ITER_D_CC4JQY v1.2** (attached to this PIN).

4 Procurement Process & Objective

The objective is to award a 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 paragraph 5 below.

Special attention:

Interested tenderers are kindly requested to register in the IO Ariba eprocurement 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

Step 2 - Invitation to Tender

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 contract will be awarded on the basis of best value for money according to the evaluation criteria and methodology described in the RFP.

5 Procurement Timetable

The tentative timetable is as follows:

Milestone	Date
Publication of the Prior Information Notice (PIN)	26 May 2025

Submission of expression of interest form	9 June 2025
Request for Proposals (RFP) publishing on IPROC	Week of 16 June 2025
Clarification Questions (if any) and Answers	31 July 2025 (question due) 5 Aug 2025 (answer due)
Tender Submission in IPROC	15 August 2025
Tender Evaluation & Contract Award	September or October 2025
Framework Contract Signature	November 2025
1 st Task Order Commencement	November or December 2025

6 Quality Assurance Requirements

For the entire duration of the Contract, the Contractors shall hold, and maintain, a valid and relevant ISO 9001 and/or 14001 certification or comparable equivalent. The missions and tasks executed under this Contract shall be carried out in compliance with the IO Quality Requirements.

7 Contract Duration and Execution

The ITER Organization is planning to award the Framework Contract in November of 2025. The estimated Framework Contract duration shall be about 6 years.

8 Experience

The tenderer shall demonstrate their knowledge, experience and capabilities in the implementation of provision of service to the IO in accordance with the IO technical requirements.

Required experience and competencies

- Experience in complex mechanical design for nuclear, fusion, particle accelerator Industry or similar discipline industry
- Experience in mechanical, thermal and EM load analyses
- Experience in specification, performance and technical follow-up of CAD activities, and integration in complex environments using 3D models
- Experience in vacuum design requirements and associated testing (e.g. helium leak testing)
- Experience in manufacturing specification and follow up for complex, high precision components
- Experience in specification and subsequent oversight of installation activities

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

9 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 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.

10 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.

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.



VERSION CREATED ON / VERSION / STATUS 03 Feb 2025 / 1.2 / Approved

EXTERNAL REFERENCE / VERSION

Technical Specifications (In-Cash Procurement)

Technical specification - FWC - Diagnostic Electrical Services Implementation (55.NE.V0, V0-EFT, C0, D0)

This document specifies the requirements for the framework contract "Diagnostic Electrical Services Implementation". It defines the scope of the services to be provided, the execution and the deliverables associated. This is a framework contract, where each task order is a free self-standing activity with its own budget.

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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 specifies the requirements for the framework contract "Diagnostic Electrical Services Implementation". It defines the scope of the services to be provided, the execution and the deliverables associated. This is a framework contract, where each task order is a free self-standing activity with its own budget.

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
ΙΟ	ITER Organization
PRO	Procurement Responsible Officer
CRO	Contract Responsible Officer
DA	Domestic Agency
SSD	See System Design
ΙΟ	ITER Organization

3.2 Definitions

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

The Diagnostic Electrical Services provide signal and power transmission lines to link vital diagnostic sensors and instrumentation in the ITER Vacuum Vessel with their associated electronics and power supplies in the surrounding buildings.

This framework contract focusses on parts of the Diagnostic Electrical Services close to the ITER Vacuum Vessel, attached to its inner and outer surfaces (55.NE.V0, 55.NE.V0-EFT and 55.NE.C0) or attached to major machine components housed inside the Vacuum Vessel (55.NE.D0).



Figure 1 Schematic showing 55.NE.V0, 55.NE.V0-EFT and 55.NE.D0, and surrounding key systems



Figure 2 Schematic showing 55.NE.C0, and surrounding key systems

The 55.NE.V0-EFT Electrical Feedthroughs form part of the boundary between the Ultra High Vacuum (UHV) in-vessel environment and the surrounding nuclear buildings. They are Protection Important Components (PIC), with the highest Safety Important Classification (SIC-1). These components are in the post-MRR phase, with the deliveries being performed by one of ITER's Domestic Agencies.

The 55.NE.D0 In-Divertor Electrical Services provide part of the signal chain between diagnostics mounted on the Divertor Cassettes (e.g. thermocouples, magnetic pick-up coils, etc.) and the Electrical Feedthroughs described above. The components include cables, clamps and junction boxes on the cassettes and complex plug and socket sockets, removed by remote handling robotic tools. These components are in the Final Design phase, with the design work being performed by one of ITER's Domestic Agencies.

The 55.NE.V0 In-Vessel Electrical Services provide part of the signal chain between diagnostics mounted on the Vacuum Vessel walls (e.g. thermocouples, magnetic pick-up coils, etc.) and the Electrical Feedthroughs described above. The components include cables, clamps and connection boxes for a variety of cable types and diameters.

The cabling and associated hardware (in-vessel clips, clamps and junction boxes) are currently being delivered through the contracts managed by one of ITER's Domestic Agencies. The remaining components (Lower Port and marshalling area clamps and in-port connectors) are in the MRR phase. The manufacturing is directly managed by the ITER Organization.

The 55.NE.C0 In-Cryostat Electrical Feedthroughs provide part of the signal chain between diagnostics mounted on the outside of the Vacuum Vessel (magnetic pick-up coils) and the cabling inside the surrounding buildings. These components are in the Preliminary Design phase, with the design work being performed by the ITER Organization.

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

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.

5 Scope of Work

5.1 Details of expected output

The purpose of this framework contract is to provide specialist engineering expertise in order to successfully implement this key system, ensuring the final design, manufacturing, testing and installation activities are completed on time and to high levels of quality.

It is expected that task orders within this framework will also include testing activities, manufacturing of prototype and test items, and delivery of short series of items. if unpractical to be executed through separate contracts.

In more detail for the different areas (note that these are indicative activities and not intended to cover all of the activities to be performed):

In-Vessel Electrical Services (55.NE.V0)

- Monitoring of manufacturing, including factory visits, review of tests and management of modifications.
- Preparation, execution and documentation of site acceptance tests (SAT).
- Preparation of installation specifications, procedures and drawings.
- Subsequent follow-up and oversight of installation of the components within this scope.
- Creation of as-installed documentation.
- Maintenance of design documentation.

In-Divertor Electrical Services (55.NE.D0)

- Review of design documents produced by Third Parties.
- Technical checking and independent verification of calculations produced by Third Parties.
- Attendance at Design Review meetings and associated follow-up meetings.
- Subsequent follow-up of tender(s), including responding to tenderer's questions.
- Monitoring of manufacturing, including factory visits, review of tests and management of modifications.
- Preparation, execution and documentation of site acceptance tests (SAT).
- Preparation of installation specifications, procedures and drawings.
- Subsequent follow-up and oversight of installation of the components within this scope.

In-Vessel Electrical Feedthroughs (55.NE.V0-EFT)

- Review of design documents produced by Third Parties.
- Technical checking and independent verification of calculations produced by Third Parties.
- Attendance at Manufacturing Readiness Reviews and associated follow-up meetings.
- Subsequent follow-up of tender(s), including responding to tenderer's questions.
- Monitoring of manufacturing, including factory visits, review of tests and management of modifications.
- Preparation, execution and documentation of site acceptance tests (SAT).
- Preparation of installation specifications, procedures and drawings.
- Subsequent follow-up and oversight of installation of the components within this scope.

In-Cryostat Electrical Feedthroughs (55.NE.C0)

• Finalisation of design documents, technical specifications, 3D CAD models and 2D drawings in order to launch the manufacturing tender.

- Attendance and presentation at Design Review meetings and associated follow-up meetings.
- Subsequent follow-up of tender(s), including responding to tenderer's questions.
- Monitoring of manufacturing, including factory visits, review of tests and management of modifications.
- Preparation, execution and documentation of site acceptance tests (SAT).
- Preparation of installation specifications, procedures and drawings.
- Subsequent follow-up and oversight of installation of the components within this scope.

5.2 Indicative Work packages

The following activities are foreseen as indicative work packages. The indicative work packages are not task orders by themselves and only define the global span of work expected within the current Framework Contract. The work is to be performed predominantly off-site, with occasional visits.

- Production of detailed design documents, 3D CAD models, 2D diagrams and 2D drawings;
- Project management scheduling, reporting of work, tracking of Deviation Requests and Non-Conformities;
- Interface and integration management in complex environment ensuring 3D CAD models, 2D diagrams and interfacing documents are updated and consistent;;
- Design engineering (using CATIA V5);
- Review of design documents produced by Third Parties
- Review of analysis reports (including thermal, mechanical, electro-magnetic...);;
- Performing numerical analyses (only minor analyses expected)
- Technical checking and independent verification of calculations produced by Third Parties;
- Attendance at Design Review meetings and associated follow-up meetings;
- Design requirement tracking and compliance justification;
- Manufacture and test prototypes and tooling to support the development of installation procedures and qualification;
- Manufacture small, low number elements for application in the machine,
- Manufacturability assessment and manufacturing preparation;
- Procurement management and manufacturing contract follow-up, including site visits to suppliers;
- Realisation of acceptance tests;
- Installation tooling and procedure development (and manufacturing of prototype tooling);
- Installation oversight, monitoring and reporting;
- Review installation procedures produced by Third Parties;
- Provide oversight and follow-up of on-site installation resources;

6 IO Documents

No input is expected from IO

7 List of deliverables and due dates

The implementation details of deliverables and priorities will be agreed between the Contact Persons under each separate Task Order. No element of work or activity shall begin without the prior written notification by the ITER Organization in the form of a "Task Order" signed by both Parties.

The deliverables will depend on the type of a task, but they shall be well defined before the start of the Task order in question and shall be based on the expertise requested in Section 5.2of these Technical Specifications. The examples of the deliverables include, but are not limited to, the following items:

- 1. Reports or minutes of the kick-off meeting including list of all input information and requirements.
- 2. Progress reports containing:
 - a. Summaries of meetings and decisions,
 - b. Drafts of material to be used in final reports,
 - c. Issues that have arisen in the course of the work, along with suggested approaches to addressing these issues.
- 3. Deliverables of Task orders in the form of:
 - a. Report,
 - b. Technical note,
 - c. Calculation Note,
 - d. Any other relevant engineering documents.
- 4. Reports or minutes of the meeting for completion of the task order containing:
 - a. Deliverables acceptance statement,
 - b. Report on outstanding issues identified during Task Order execution, forward action plan,
 - c. Summary of the Task Order outcome.
- 5. Delivery on ITER site (or other agreed location) of prototypes and components manufactured under this contract.

8 Quality Assurance requirements

The Quality class under this contract is QC1, [Ref 1] GM3S section 8 applies in line with the defined Quality Class.

9 Safety requirements

ITER is a Nuclear Facility identified in France by the number-INB-174 ("Installation Nucléaire de Base").

For Protection Important Components and in particular Safety Important Class components (SIC), the French Nuclear Regulation must be observed, in application of the Article 14 of the ITER Agreement.

In such case the Supplier and Subcontractors must be informed that:

- The Order 7th February 2012 applies to all the components important for the protection (PIC) and the activities important for the protection (PIA).
- The compliance with the INB-order must be demonstrated in the chain of external contractors.
- In application of article II.2.5.4 of the Order 7th February 2012, contracted activities for supervision purposes are also subject to a supervision done by the Nuclear Operator.

For the Protection Important Components, structures and systems of the nuclear facility, and Protection Important Activities the contractor shall ensure that a specific management system is implemented for his own activities and for the activities done by any Contractor and Subcontractor following the requirements of the Order 7th February 2012 (ITER_D_7M2YKF).

NOTE: There are no Protection Important Activities (PIAs) within the scope of this work but there is monitoring/oversight of Third Parties working on PIC and/or performing PIAs related to the 55.NE.V0-EFT Feedthroughs. This monitoring/oversight is not itself a PIA.

10 Special Management requirements

Requirement for [Ref 1] GM3S section 6 applies in full.

10.1 Work Monitoring

The work on individual task orders shall be started by dedicated kick-off meetings and managed by means of Progress Meetings. It is expected that Progress Meetings will be held as frequently as required, generally bi-weekly, written progress reports are required monthly.

The main purpose of the Progress Meetings is to allow the ITER Organization/Diagnostics Division and the Contractor Technical Responsible Officers to:

- a. Allow early detection and correction of issues that may cause delays;
- b. Review the completed and planned activities and assess the progress made;
- c. Permit fast and consensual resolution of unexpected problems;
- d. Clarify doubts and prevent misinterpretations of the specifications.

In addition to the Progress Meetings, if necessary, the ITER Organization and/or the Contractor may request additional meetings to address specific issues to be resolved.

It is expected that on occasion the Contractor will be required to make a presentation to Topical Technical Meetings either by videoconference or in person. If a presentation in person at an offsite meeting is required, the ITER Organization will reimburse travelling expenses.

For all Progress Meetings, a document (the Progress Meeting Report) describing tasks done, results obtained, blocking points and action items shall be written by the Contractor. Each report will be stored in the ITER IDM in order to ensure traceability of the work performed.

10.2 CAD design requirements

This contract requires for CAD activities, [Ref 1] GM3S section 6.2.2.2 applies.

10.3 Specific requirements and conditions

The Contractor's team shall cover all disciplines that may reasonably be required to carry out the Scope of Work. The following manpower profiles are expected to be required:

- Mechanical engineer (> 7 years' experience)
- Mechanical engineer (3 7 years' experience)
- Finite Element analyst (> 7 years' experience)
- Finite Element analyst (3 7 years' experience)
- CAD Designer (> 4 years' experience)
- Project Manager (> 5 years' experience)

It shall be noted that Contractor's personnel visiting the ITER site shall be bound by the rules and regulations governing safety and security.

The Contractor shall have and maintain the necessary equipment and licenses to run the software tools required to carry out the tasks and produce the deliverables in accordance with the tools

adopted by the IO. This concerns in the first instance the CAD tools – if the contractor is providing CAD. The detailed requirements for CAD tools are indicated in section 14. The Contractor shall ensure that experts are adequately supported and equipped. The official language of the ITER project is English. Therefore all input and output documentation relevant to this Contract shall be in English. The Contractor shall ensure that all the professionals in charge of the Contract have an adequate knowledge of English, to allow easy communication and adequate drafting of technical documentation. This requirement also applies to the Contractor's staff working at the ITER site or participating in meetings with the ITER Organization.

Documentation developed shall be retained by the Contractor 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, it should fulfil IO document on calculation code for safety analysis.

ANNEX I

EXPRESSION OF INTEREST & PIN ACKNOWLEDGEMENT

To be returned by e-mail to: <u>Jongeun.Lee@iter.org</u> in copy to <u>Chloe.Perret@iter.org</u>

TENDER	No.	IO/25/OT/70001297/JLE
TENDER 1	Fitle:	Framework Contract for Diagnostic Electrical Services Implementation (55.NE.V0, V0-EFT, C0, D0)
OFFICER	IN CHARGE:	Jong-Eun LEE – Procurement Division ITER Organization
	WE ACKNOWLEDGE HA	AVING READ THE PIN NOTICE FOR THE ABOVE
	WE INTEND TO SUBMIT	A TENDER
	WE WILL NOT TENDER	FOR THE FOLLOWING REASONS:

Contact Person for this solicitation Process:

Name:	Tel:
Position:	E-mail address:
Signatory Name:	
Title:	Company Stamp
Signature:	
Date:	