

Technical Specifications (In-Cash Procurement)

Technical Specification_ Lifting Operator Service

This document provides the technical requirements for the lifting operator service for the Cargo lift and the Goods lift in the Tokamak Complex

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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 provides the technical requirements for performing lifting equipment operations for the central worksite area (see document [6], building 11, 74), during the construction phase.

3 Acronyms & Definitions

3.1 Acronyms

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

Abbreviation	Description
CRO	Contract Responsible Officer
CMA	Construction Manager as Agent
GM3S	General Management Specification for Service and Supply
IO	ITER Organization
PRO	Procurement Responsible Officer

3.2 Definitions

Definition	
Equipment	Cargo lift and Goods lift
Contractor	Lifting operation contractor
Tokamak Complex	Used to identify all Tokamak building (11), Diagnostic building (74), Tritium Building (14)
Company	Lifting loads requesting entity. The responsible entity for the loads to be lifted.

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.

#	Title	IDM Number
1	General Management Specification for Execution Entities at the ITER Site	YX55YY

2	ITER Abbreviations	2MU6W5
3	ITER Policy on Safety, Security and Environment Protection Management	43UJN7
4	ITER Site access Procedure	S3893D
5	ITER Site Permit to Work Overarching Procedure	3E8289
6	ITER Site Plan for Internal Regulations	3XWZL6
7	Environmental requirements	97WRFPP
8	IO Environmental Management System doc 1 : PMAE v1	97W4PN
9	Environmental Protection and Nuclear Safety Management Plan	9KAZ8T
10	Order dated 7 February 2012 relating to the general technical regulations applicable to INB - EN	7M2YKF
11	Annex 2 - List of PIA for Construction	U4FKA5
12	Contractor Safety Management Procedure	Q2GBJF
13	Overall Site Organisation, Safety Coordination and Environmental Protection during ITER Construction	2LH9QC
14	Health Protection and Safety General Coordination Plan - ITER Construction Site - Volume 0 - General Safety Rules	2NUEYG
15	PGC SPS Vol. 1	T6V4RP
16	Provisions for Implementation of the Generic Safety Requirements by the External Interveners	SBSTBM
17	Seismic lifting risks using mobile crane or the building's temporary lifting facilities	RC4YUK
18	template for specific health and safety plans (PPSPS) French Version	K7C6SZ
19	Vehicle Access and Traffic Circulation and Parking on the ITER Site	N3MG3V
20	Work Authorisation Procedure for the ITER Site	7K66XB
21	Working Instruction for OHS Induction to access and/or carry out work on the platform	UR5VLG
22	Procedure_CMA_Lifting_Operation	U42MJC
23	Procedure_CMA_Tokamak_Lift_Use_procedure	4GS5G9

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 and duration of Work

The ITER Organization (IO) will require a number lifting operations in its construction activities during 2024-2027. The duration of the Contract (3 years firm, can be renewed a maximum amount of two times each time for the maximum of one year which makes the total of two years of prolongation for a contract with firm three years making the maximum possible duration of the contract five years) is expected to be as follows - from September 1st 2024 to September 1st 2029.

The scope consists of operating the lifting equipment (the Equipment) based on the request given by CMA. The operation covers operation of lifting, checks and basic technical supports for the Equipment, and reporting.

The contractor shall operate the Equipment specified below.

5.1 Cargo lift

The Cargo Lift, which is manufactured by REEL, is operating in the building B11 in the Tokamak Cargo Lift shaft. Details are in Appendix 1.

5.2 Goods lift

The Goods Lift, which is manufactured by Pabellón MP, is operating in the building B74. Details are in Appendix 2.

5.3 Details of operations

5.3.1 *Lifting*

The contractor shall operate the lifting only with the certified operators who has completed the designated training.

5.3.1.1 *Clarification of lifting items*

The contractor shall operate lifting for the items that are specified by the requesting company (Company), are qualified by CMA, and are instructed by CMA in writing. For the non-standard type of loads, the contractor shall operate lifting only when the required assistance by IO/CMA are available.

- For materials 0-5 tonnes it does not matter where on the designated area on the platform that the load is positioned.
- For materials 5-8 tonnes the load has to be roughly centred and adjusted.
- For any components which are over 8 tonnes, or which have an extreme centre of gravity or are awkward in shape then we will request Reel to undertake these lifts.
- For any loads which require modification / removal of the platform safety rails or gates then the lifts will be supervise by personnel form IO or the CMA.
- For all of the deliveries of the load shall be delivered by the contractor to the agreed position on the platform indicated by the trained operator.

5.3.1.2 *Loading the items*

The contractor shall instruct the Company the placement of loads on the lifting platform when they are loaded. The contractor shall operate lifting only when it confirms that the loads are positioned in the proper location on the lifting platform by the Company.

5.3.1.3 *Lifting*

The contractor shall drive the Equipment to the floors specified by the instruction by CMA in writing.

5.3.1.4 *Unloading the items*

The contractor shall confirm the completion of unloading of items by the Company.

5.3.2 *Checks and basic technical supports for the Equipment*

The contractor shall operate the check and basic technical support for the Equipment only with the certified operator.

5.3.2.1 *Pre-operation Checks*

The Contractor shall check the Equipment following the pre-operation check list, which is given by IO/CMA, every day before the start of operation and during/after the first lifting of the day. And in case there are any needs for the maintenance operation and the technical support service, the Contractor shall report CMA

5.3.2.1.1 Basic technical support

The Contractor shall be requested to conduct fault finding activity and specific activities instructed by the manufacturer over the phone (basic technical support), which can be managed by the capacity of the Contractor and agreed/instructed by the IO/CMA, in case the Equipment faces technical issues.

5.3.2.2 Reporting

The Contractor shall produce and present dematerialized reports to IO including operational report, maintenance report (daily check sheet), and incident report. The timing and frequency of reporting shall be instructed by IO/CMA.

5.2 Working hours

The Contractor shall assign the operators to fit the regular working shifts in the Tokamak Complex.

Fixed shift:

- Cargo lift: Monday to Friday from 07h00 to 16h00,
- Cargo lift: Monday to Thursday from 16h00 to 20h00 (1).

Provisional shifts (2):

- Good lift: Monday to Friday from 07h00 to 16h00,
- Cargo and good lift from Monday to Thursday from 20h00 to 22h00 (3),
- Cargo and good lift the Saturday from 07h00 to 16h00 (3).

- (1) There is no need to have two operators working at the same time,
- (2) The provisional shift will be ordered through ITP (see Appendix 4) and invoiced according to the ITP.
- (3) For late shift, one operator is sufficient to operate both cargo and good lift at the same time due to the lack of need.

Note: in some specific cases, the Contractor may be requested to provide services in non-regular working shifts.

5.3 General Requirements

5.3.1 General Management Specification

Contractor shall comply with General Management Specification for Execution Entities at the ITER Site [1].

5.4 Security Requirements

The Contractor shall comply with security rules edited in [3] and [12].

5.5 Safety Requirements

Safety instructions shall be followed when the Contractor operates lifting and maintenance and technical support for the Equipment. Particularly, suitable signage must be used to attract the attention of workers to the operations in progress and prevent any incidents.

6 Location for Scope of Work Execution

Cargo lift

The Cargo Lift, which is manufactured by REEL, is operating in the building B11 in the Tokamak Cargo Lift shaft. Details are in Appendix 1.

Goods lift

The Goods Lift, which is manufactured by Pabellón MP, is operating in the building B74. Details are in Appendix 2.

7 IO Documents

No input is expected from IO

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:

Deliverable Ref.	Deliverable Description	Due date (Month)
D1	First Monthly report including Contractor's release note	T0 + 1
D2	Monthly report including links to the deliverables completed in the previous month and Contractor's release note	T0 + 2
D3	Monthly report including links to the deliverables completed in the previous month and Contractor's release note	T0 + 3
D4	Monthly report including links to the deliverables completed in the previous month and Contractor's release note	T0 + 4

D5	Monthly report including links to the deliverables completed in the previous month and Contractor's release note	T0 + 5
D6	Monthly report including links to the deliverables completed in the previous month and Contractor's release note	T0 + 6
D7	Monthly report including links to the deliverables completed in the previous month and Contractor's release note	T0 + 7
D8	Monthly report including links to the deliverables completed in the previous month and Contractor's release note	T0 + 8
D9	Monthly report including links to the deliverables completed in the previous month and Contractor's release note	T0 + 9
D10	Monthly report including links to the deliverables completed in the previous month and Contractor's release note	T0 + 10
	To be continued until the end of the contract term (3 years firm renewable 2 times for 1 year)	
DX	End of contract report mentioning the late shifts (between 8 pm – 10 pm) for which an operator was need during the week days	
DY	End of contract report mentioning the shifts (between 7 am – 4 pm) for which an operator was need during the weekend	

T0 is defined as contract signature.

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 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 \(ITER_D_22MFG4\)](#).

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 (see [Procurement Requirements for Producing a Quality Plan \(ITER_D_22MFMW\)](#)).

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 [Quality Assurance for ITER Safety Codes \(ITER_D_258LKL\)](#).

10 Safety requirements

ITER is a basic nuclear facility (in French: "Installation Nucléaire de Base") identified in France by the number INB-174 and subject to the French Order of 7 February 2012 relating to the general technical regulations applicable to basic nuclear facilities.

In the performance of the Contract, it is anticipated that the Contractor will perform or participate in the following so-called "Protection-Important Activities" as defined by the above mentioned Order:

- The Order 7th February 2012 applies to all the components important for the protection (PIC) and the activities important for the protection (PIA);

- Activities for the protection of the environment;
- Waste management.

For these activities, the Contractor shall comply with the environmental protection requirements and procedures applicable on the ITER Site, in particular:

- IO Environmental Management System doc 1 : PMAE v1 [8];
- Environmental requirements [7].

The Contractor shall ensure that these activities are carried out by Suitably Qualified and Experienced Persons. For this purpose, the Contractor makes the necessary provisions for training in order to maintain the required skills and qualifications for his staff and, whenever necessary, to develop them, and – in case these activities are carried out by sub-contractors – ensures that his sub-contractors make analogue provisions for their own staff.

Furthermore, the ITER Policy on Safety, Security and Environment Protection Management [3], presenting the strategical objectives of the ITER Organization for protecting the interests mentioned under Article L593-1 of the French Environmental Code, must be circulated, known, understood and applied by all staff of the Contractor and cascaded down in the managerial lines of the Contractor and his sub-contractors.

An Environmental Respect Plan shall be provided by the Contractor ten working days prior to the start of the on-site works, using the ITER template.

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 Supplier and Subcontractor following the requirements of the Order 7th February 2012 [10].

11 Specific General Management requirements

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

11.1 Contract Gates

The contract gates are defined in [Ref 1] section 6.1.5.

11.2 Work Monitoring

Exchange of documentation between contractor and IO via IDM.

11.3 Meeting Schedule

Ad hoc meetings with contractor upon rising need.

xxxx (contractor).

1. SUBJECT

The Contractor is hereby informed that the following option items shall be ordered under this ITP:

- ✓ *List of additional task(s) and consumables (if applicable) with delivery dates.*

3. PRICE OF THE INTRUCTION TO PROCEED

The price of this instruction to proceed shall be EUR xxxx (amount in letters) with the following breakdown:

Task	Unit	Unit Price (EUR)
Task 1: xxx	xxx	xxx
Task 2: xxx	xxx	xxx
Total		xxx

Consumables	Unit	Unit Price (EUR)
xxx	xxx	xxx
xxx	xxx	xxx
Total		xxx

4. ENTRY INTO FORCE OF THE INSTRUCTION TO PROCEED

This Instruction to Proceed shall enter into force as soon as it is signed by the IO RO nominated in Article I.7 of the service contract and countersigned by the Contractor.

On behalf of the ITER Organization:	
Name:	Signature:
Date:	

SERVICE

On behalf of the Contractor:	
Name:	Signature:
Date:	