



Technical Summary

Global Maintenance Services Framework Contract for all the ITER facilities except Electrical Power Distribution, Infrastructures and Buildings, Codac system and IT common systems

IO/23

3. Background

A staged approach composed of three different phases has been defined to shape the format and content of Maintenance contracts. Regarding the period from 2021 up to 2028, the main drivers to define Maintenance contracts scope are the following ones:

The plant systems commissioning and hand-

4. Expected Scope of work

During the period 2025-2030, on top of the activities already included in the temporary maintenance contract, the GMSC scope will also cover corrective and preventive maintenance activities relating to conventional types of components part of Tokamak cooling water system, , Vacuum and diagnostics systems... according to the each system turnover plan.

The contract scope of work includes work preparation, work scheduling, work coordination, spare parts provision, technical reports management and the execution of maintenance activities including commissioning assistance for all conventional components and then for all disciplines (mainly electrical, instrumentation, mechanical, vacuum...)

The preparation of first Long Term Maintenance (LTM) works will be excluded from the maintenance contract as well as regulatory inspections that will be performed likely through specific contracts, but also any OEM contracts that will be managed separately.

Non-core activities such as scaffolding or lifting... will be excluded (with an option for the contractor to use existing construction contracts) while OEMs mobilization and coordination will remain under IO scope.

This approach intends to generate the following benefits:

- Mutualise skilled resources across the various plant systems;
- Limit need for coordination between the various disciplines;
- Optimize costs related to contractor management and safety staff and lo

Extensive experience in:

- Repairing and maintaining all mechanical and electrical systems (except high voltage).
- Vacuum pumps / associated instrumentation & accessories
- Metrology including analysers calibration

Capability to ensure 7/7 24/24 on-call services

Local representative to organise repairs of rotating equipment , instrumentation and relief valves... in a close perimeter from IO site (less than 50kms)

Maintenance works within cryogenic plant environment including extremely high requirements for the purity of the gases used in the installations and extremely high requirements for leak tightness to ensure the gas purity.

7. Contract Type and Duration of services

The scope of work will be formalised through a Framework Service Contract. The Contract will be carried out over an initial firm period of four (4) years and an optional period of two (2) years.

The contract is based on an obligation of results principle and will integrate performance KPIs to stimulate the selected supplier to propose improvements (at component or system level) in order to increase the safety performance, the components or systems reliability, to obtain a better integrity level for the IO assets or develop the efficiency of the maintenance activities.

8. Candidature

Participation is open to all legal persons participating either individually or in a grouping (consortium) which is established in an ITER Member State. A legal person cannot participate individually or as a consortium partner in more than one application or tender. 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.

The consortium groupings shall be presented at the pre-qualification stage. The tenderer's composition cannot be modified without the approval of the ITER Organization after the pre-qualification.

Legal entities belonging to the same legal grouping are allowed to participate separately if they are able to demonstrate independent technical and financial capacities. Candidates (individual or consortium) must comply with the selection criteria. The IO reserves the right to disregard duplicated reference projects and may exclude such legal entities from the pre-qualification procedure.

8. Reference

Further information on the ITER Organization procurement can be found at:

<http://www>