

Technical Summary for Call for Nomination

Framework Contract for Centralized Procurement of Pipes & Fittings for the ITER Project

1) Purpose

This Call for Nomination is to allow companies to declare their candidacy in order to tender for Centralized Procurement of Pipes and Fittings for the ITER Project.

2) Background

ITER is a joint international research and development project aiming to demonstrate the scientific and technological feasibility of fusion power for peaceful purposes. The seven members of the ITER Organization (IO) are: The European Union (represented by EURATOM), Japan, People's Republic of China, India, the Republic of Korea, the Russian Federation and the USA. The ITER Organization is located in Saint Paul lez Durance – France. Further information is available on the ITER website: <http://www.iter.org>.

3) Scope of work

Under this Framework Contract, the Supplier shall be in charge of the following scopes:

- A. Manufacturing,
- B. Testing,
- C. Packing and shipping,
- D. Providing all the required documentations, and
- E. Providing extra storage for the IO reason at IO's option

4) Required Experience and Skills

The candidates shall need to demonstrate during the Pre-Qualification stage that they have the capabilities to supply the required goods in full compliance with the applicable standards as well as with the ITER quality and safety requirements.

5) Framework Contracts

The result of this tender may be that either one or two framework contracts will be placed. The contract duration is expected to last 5 years (4 years + 1 optional year) and will span between 2021 and 2025.

6) Timetable

The tentative timetable is as follows. This is provided for information only and is subject to change as required:

- Pre-qualification to be launched in October 2020 to tenderers
- Pre-qualification applications to be evaluated in November 2020
- Tender to be launched in December 2020
- Deadline to send tender offers in February 2021
- Award of tender in March 2021

7) Experience

The Supplier must have demonstrated experience in the supply of pipes, fittings and flanges used in the nuclear industry.

The Supplier must have demonstrated experience in piping and fitting manufacturing conformingly to ASME B31.3-2010 Category M fluid [1] and is able to comply with ESP [2] and ESPN [3] French regulations. The subcontractor shall be able to provide Quality Assurance level and Supply Chain Management System required for manufacturing of nuclear components and shall comply with the French Order of 7th February 2012 establishing the general rules for basic nuclear installations [4].

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 cannot be modified later without the approval of the ITER Organization

Participation is open to all legal entities established in an ITER Member State, which is:

- European Union including Switzerland (EURATOM Members),
- Republic of India,
- Japan,
- People's Republic of China,
- Republic of Korea,
- Russian Federation, or
- United States of America

The UK is not a party to the ITER Agreement but to EURATOM Treaty. The draft Withdrawal Agreement between the EU and the UK provides that the provisions of the EURATOM treaty continues to apply to and in the UK for a transition period following its withdrawal from the EU and EURATOM. If the Withdrawal Agreement is not ratified (a no-deal Brexit) the EURATOM Treaty ceases to apply to and in the UK on the withdrawal date.

Until the Withdrawal Date, the UK remains a full member of the EU and EURATOM and until that date UK entities retain the right to participate in IO procurement procedures. In case they are selected, a Brexit clause is included in the contract. Likewise during the Transition period UK entities may participate in IO procurement procedures.

After the end of the Transition Period, when the Euratom Treaty ceases to apply to and in the UK, any UK entities bidding as a prime contractor or consortium partner, will be rejected from the IO procurement procedures. UK entities will no longer be recognised as entities of an ITER Member and will no longer have the right to participate in IO procurement procedures, unless the UK has entered into an Agreement with Euratom. Where UK entities can demonstrate a unique and specific competence in a certain field the IO, with approval of the ITER Council, may also allow them to participate in a procurement procedure.

Entities can participate either individually or in a consortium. A legal entity 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.

Annex 1: Anticipated Material Types and Estimated Quantities

Note: This table is provided as information only. Quantities and material types are subject to change as needed.

Item	Process	Grade/Material	Size	Schedule or WT (mm)	Amount	Units
Fittings	Seamless	Grade 316L or equivalent, Grade 304L or equivalent, or Carbon steel	DN8 to DN200	Sch 10 to 40	TBC	TBC
Fittings	Seamless	ASTM A403 Grade WP304	DN50	Sch 40	TBC	TBC
Fittings	Seamless	ASTM Grade 304L	DN25 to DN400	Sch 10 to Sch 40	TBC	TBC
Fittings	Seamless or flat product	ASTM Grade 316L or RCC-MR 1.4404 or 1.4435	DN15 to DN250	Sch 5 to 160	TBC	TBC
Fittings	Seamless or Welded	ASTM A403 Grade WP304L/CR304L & WP316L/CR316L	DN20 to DN650	Sch 40s to 80s	TBC	TBC
Fittings (Stainless or Carbon)	Seamless or Welded	TBD	TBD	TBD	TBC	TBC
Integrally reinforced branch outlet Fittings	Forged	ASTM A312 GR. TP304L	DN20 to DN650	-	TBC	TBC
Pipe	Seamless	Grade 316L or equivalent, Grade 304L or equivalent, or Carbon steel	DN8 to DN200	Sch 10 to 40	TBC	TBC
Pipe	Seamless	ASTM A312 GR.TP304L & 316L (low Cobalt < 0.05%)	DN20 to DN350	Sch 40s to 80s	TBC	TBC
Pipe	Seamless	ASTM A312 GR.TP304L & 316L (normal Cobalt < 0.20%)	DN20 to DN350	Sch 40s to 80s	TBC	TBC
Pipe	Seamless	ASTM A312 Grade WP304	DN50	Sch 40	TBC	TBC
Pipe	Seamless	ASTM Grade 316L or RCC-MR 1.4404 or 1.4435	DN15 to DN250	Sch 5 to 160	TBC	TBC
Pipe	Welded	ASTM A312 GR.TP304L & 316L (normal Cobalt < 0.20%)	DN400 to DN650	Sch 40s to Sch 80s	TBC	TBC
Pipe	Seamless	ASTM Grade 304L	DN25 to DN300	Sch 10 or Sch 20	TBC	TBC
Pipe	Seamless	ASTM Grade 304L	DN25 to DN400	Sch 10 or Sch 40	TBC	TBC
Pipe (Carbon Steel)	Seamless or Welded	ASTM A53 Gr. B and ASTM A672 Gr.B	DN50 to DN600	Sch 40	TBC	TBC
Pipe (Stainless Steel)	Seamless or Welded	ASTM A312 Grade TP304 and ASTM A358 Grade 304L CL	DN25 to DN650	Sch 40	TBC	TBC