

Call for Nomination

Framework Contract for Supply of Flexible Hose and Flexible Connecting Pipe

1 Purpose

This Call for Nomination is for the selection of companies to bid for supply of flexible hose and flexible connecting pipes.

2 Background

ITER is a joint international research and development project that aims to demonstrate the scientific and technical feasibility of fusion power. For the construction of its experimental reactor, the IO needs to purchase construction components, and this Call for Nomination is to procure flexible hoses and flexible connecting pipes.

3 Scope

The selected supplier will be in charge of supply of flexible hoses and flexible connecting pipes.

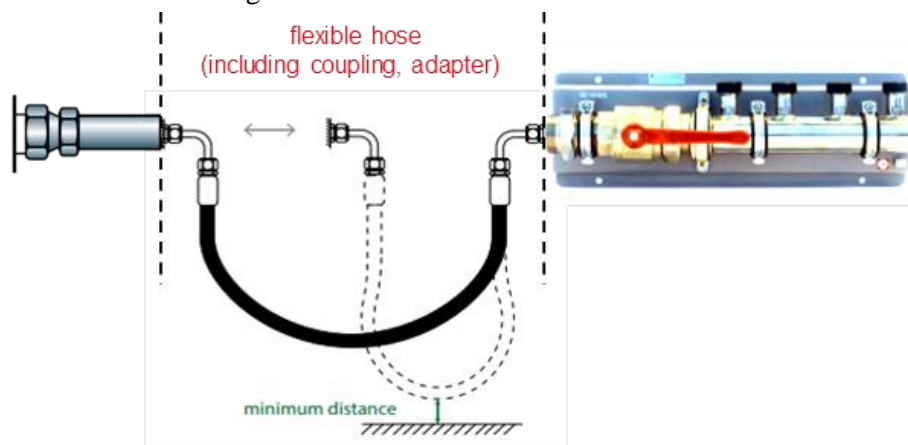
3.1 Flexible Hose for Cooling Water

Flexible hose will be used for cooling water. Flexible hoses means hoses and all necessary materials including any accessories and installation tool where needed. The fittings and the necessary adapters are considered as part of the hose assembly. The scope includes assembly of the hoses and the fitting and to make subsequent tests (e.g. leakage test).

The estimated tentative quantity is as follows:

Diameter (inch)	Total Length (meter)	Total Quantity (Number)
1"1/2 and 2"	363	54
1"1/2 and 2"	552	63
From 1" to 3"	532	266

The schematic drawing is as follows:



The tentative technical and functional requirements are as follows:

Application Fluid	Deionized Water
Working Temperature	+ 5 °C ~ + 80 °C
Working Pressure	0.85 MPa
Testing Pressure	1.2 MPa
Connecting Size	From 1" to 3"
Material for Connection	AISI 304
Material for the Pipe	EPDM for building 32/33. Could be different for other buildings
Minimum bending radius	Depend on the hose diameters
Certification	ISO TR 7620:2005 EN ISO 1307:2006

3.2 Flexible Connecting Pipes for Compressed Air

Flexible connecting pipes will be used for compressed air. The design pressure for 0.7 MPa and 1.4 MPa system is 1.05 MPa and 2.1 MPa respectively. The scope is to supply the appropriate flexible pipes. The fittings and the necessary adapters are considered as part of the flexible pipe assembly. The assembly of the tubes and the fitting and subsequent tests (e.g. air leakage test) are also in the scope. In addition, the routing and supports design of these flexible tubes should be considered as part of this supply.

The estimated tentative quantity is as follows

Diameter (inch)	Total Length (meter)	Total Quantity (Number)	Pressure
1/2 "	150	14	14bar
1/2 "	140	15	7Bar
DN20	120	12	14Bar
DN20	120	12	7Bar
DN20	100	10	7Bar

The tentative technical and functional requirements are as follows:

Application Fluid	Compressed Air
Working Temperature	+ 5 ~ + 80 °C
Working Pressure	0.7 MPa/1.4 MPa
Testing Pressure	1.05 MPa (for 0.7 MPa system) 2.1 MPa (for 1.4 MPa system)
Certification	ISO TR 7620:2005 EN ISO 1307

The detailed requirements will be communicated to the Candidates later by the IO technical specifications.

4 Required Experience and Skills

The candidates shall need to demonstrate 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 Tentative Schedule

Milestone	Dates
Pre-Qualification	From January 2020
Call for Tender	From February 2020
Award / signature	April 2020

At the option of the IO, Pre-Qualification might be combined with Call For Tender.

6 Candidature

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.