

Technical Specifications (In-Cash Procurement)

Technical summary for the supply and installation of a warehouse equipped with overhead crane

This technical summary is prepared for the call for nomination of the supply and installation of a warehouse equipped with overhead crane.



The supply and installation of a warehouse equipped with overhead crane

Call for Nomination

Introduction

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 are: The European Union (represented by EURATOM), Japan, the 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>.

ITER components have started to be delivered to the ITER site and some components need to be stored indoor and handled by an overhead crane. The objective of this tender is to implement a contract for the supply and installation of a warehouse equipped with an overhead crane. The Contractor shall take into account that the warehouses need to be constructed at short notice. It is expected that the warehouse will be modular design and pre-fabricated in the Contractor's factory and erected on the ITER site.

Scope of the Contract

- Supply and installation of the a pre-fabricated warehouse equipped with overhead crane and following are the major requirements;
 - a. Warehouse structure of 100m long, 30m wide and minimum 7.5m high (eave), without intermediate columns inside the building;
 - b. 100 running metres double-strand crane-way to support an overhead crane;
 - c. An overhead crane with the minimum payload of 8 tons;
 - d. Roof and walls made of sandwich panels with U- value less than 0.3 W/(m²K);
 - e. One large motorise roller gate of 6m wide and 6m high and pedestrian doors' location and quantity to be compliant with French and European regulations;
 - f. Heating devices to be equipped to ensure that the temperature inside the warehouse is no less than 5 degree Celsius;
 - g. Lighting to be equipped inside the warehouse to ensure 150 lux at one meter from the ground;
 - h. Electrical protection level IP 55 is to be applied for the electrical equipment to be equipped in the warehouse;
 - i. The Contractor will define the type, number and location of fire extinguishers according to APSAD R4 regulation.
- Supply, installation, test, commission and hand-over of all the necessary mechanical and electrical systems within the pre-fabricated warehouse building, e.g. crane, doors, lighting, heating, fire-protection equipment, etc. The foundation preparation and

power connection between the warehouse and the existing power panel of IO is not within the scope.

The design life of the warehouse equipped with overhead crane shall be at least 10 years.

Required expertise

Candidates shall demonstrate adequate experience in the turn-key supply and site installation of warehouses equipped with overhead crane within short construction periods.

Candidates shall have knowledge of French regulations related to Health, Safety & Environmental protection and be able to communicate effectively both in English and French languages.

ISO 9001 quality certification or ITER approved QA program is required.

Timetable

Call for Nomination issuance:	September 2016
Call for tender (incl. Pre-Qualification Application):	February 2017
Deadline:	March 2017
Award:	July 2017

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.