

# SUMMARY

## SSEN Metallic Structures

### Call for Nomination

#### **Purpose**

The purpose of this contract is to design, manufacture and deliver on ITER site, the metallic structures for the 400kV SSEN switchyard, in accordance with the 05/17/2001 French order.

#### **Background**

ITER is an international project now under construction in Cadarache, France that will demonstrate nuclear fusion at a power plant relevant scale. In this context, it is necessary to build a large 400 kV switchyard to accommodate four 400 kV/23.1kV 75MVA step down transformers. This switchyard will be used in the ITER Steady State Electrical Network (SSEN), providing AC power to the conventional plant systems of ITER.

This contract will concern only the design and supply of metallic structures necessary for the 400kV outdoor substation of SSEN.

#### **Scope of work**

The contract shall include

- Design of metallic gantries in accordance with technical requirements of 05/17/2001 French order.
- Design of metallic supports for Current Transformers, Voltage Transformers and Surge Arresters in accordance with technical requirements of 05/17/2001 French order.
- Design of associate concrete foundations.
- Manufacture of these metallic structures in galvanized steel.
- Supply of associate galvanized anchoring crosses and bolts.
- Delivery on site.

#### **Timetable**

The tentative timetable is as follows:

Pre-Qualification	April	2014
Call for Tender	May	2014
Contract Award	August	2014
First deliverable	September	2014
Completion of Contract	November	2014

There is a possibility that the ITER Organization might combine the Pre-Qualification and the Call for Tender together and evaluate them at the same time. In such a case, the expected schedule will be as follows:

Pre-Qualification and Call for Tender	April	2014
Contract Award	June	2014
First deliverable	July	2014
Completion of Contract	September	2014

**Experience**

The contractor and its personnel shall have adequate experience and qualification in design and manufacturing galvanized metallic structures for High Voltage (HV) switchyards in accordance with the technical requirements of 05/17/2001 French order, demonstrated by providing references from major HV operators, particularly for:

- Welding process and control
- Galvanization process and quality control

**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.