European Organization for Nuclear Research
Organisation européenne pour la recherche nucléaire

DO-34511/SCE

Price Enquiry

Technical Specification

Supply of stainless-steel sheets/plates for pressure purposes and general applications

Abstract

CERN intends to place a three-year contract for the supply of 90 tons of cold and hot rolled stainless steel sheets and plates in grades 1.4306/1.4307 (AISI 304L) and 1.4404/1.4435 (AISI 316L) for pressure purposes and general applications.

The contract is foreseen to start in Q3 2025.

April 2025

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Table of Acronyms

Acronym	Definition
AISI	American Iron Steel Institute
SCEM	CERN part number -Standard Code Equipment and Materials
LHC	Large Hadron Collider
SCE	Site and Civil Engineering department
DQE	Description and Quantity Estimate

1. INTRODUCTION

The Contract will be performed in accordance with the General Conditions of CERN Contracts (CERN/FC/6674-II). However, this Technical Specification prevails over the General Conditions of CERN Contracts with regard to the particular provisions specified in this document, and this without prejudice to any other provision in the General Conditions of CERN Contracts.

Capitalised terms in the body text are defined either in the General Conditions of CERN Contracts or in the present document.

1.1 Introduction to CERN

CERN, the European Organization for Nuclear Research, is an intergovernmental organization with over 30 Member States[1]. Its seat is in Geneva but its premises are located on both sides of the French-Swiss border (https://maps.web.cern.ch/). CERN's mission is to enable international collaboration in the field of high-energy particle physics research and to this end it designs, builds and operates particle accelerators and the associated experimental areas. At present, more than 10 000 scientific users from research institutes all over the world are using CERN's installations for their experiments. Further information is available on the CERN website: http://cern.ch.

The accelerator complex at CERN is a succession of machines with increasingly higher energies. Each machine injects the beam into the next one, which takes over to bring the beam to an even higher energy, and so on. The flagship of this complex is the Large Hadron Collider (LHC) (see Figure 1).

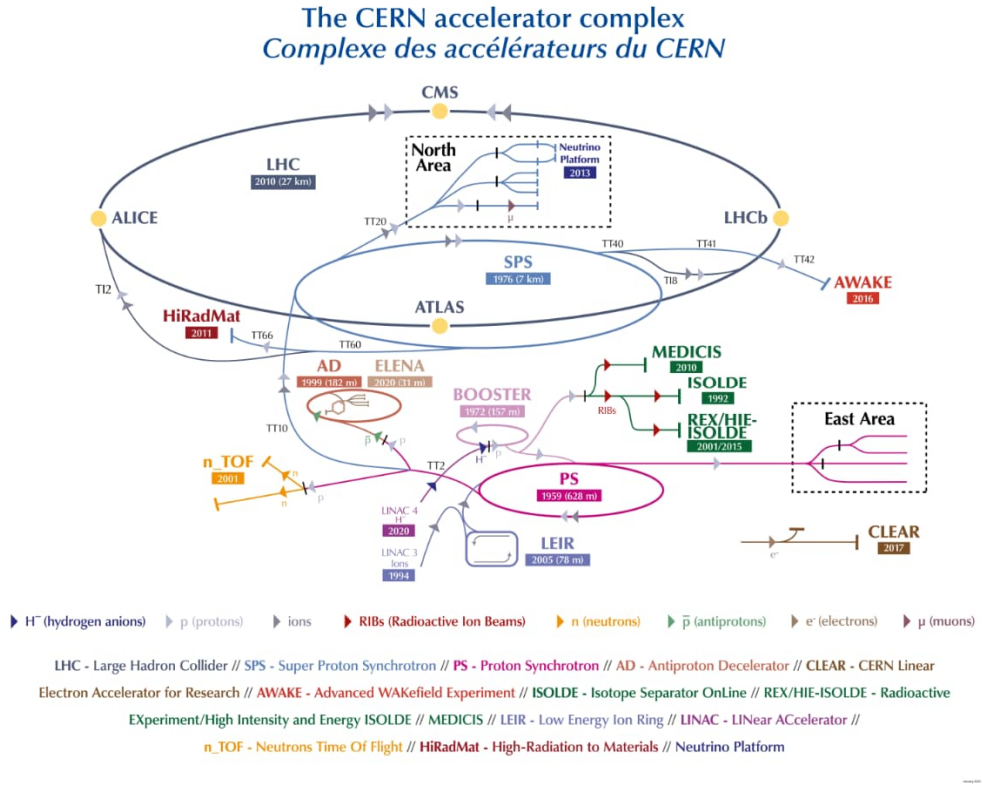

Figure 1: CERN accelerator complex

[1] http://home.web.cern.ch/about/member-states

1.2 Introduction SCE-SSC group

1.2.1 Site and Civil Engineering department (SCE)

The Site and Civil Engineering department (SCE) provides and maintains services related to:

- Construction of complete civil engineering structures and infrastructures from preliminary design to hand-over.
- Renovation and maintenance of the tertiary structures and infrastructures.
- Sites services (mobility, cleaning, housing) and Supply Chain services (shipping, goods reception, internal distribution, supply management, warehousing operations).
- Ensuring the security of any person entering the domains of the Organization, their properties, and the properties of the Organization.

1.2.2 Service and Supply Chain group (SCE-SSC)

The Service and Supply Chain group (SCE-SSC) provides the CERN community with high standard campus experience and optimal industrial logistics by offering the following rationalized, efficient, and controlled services:

- Campus services including installation, cleaning, waste management, housing, catering and personnel mobility.
- Logistics operations including shipping, inbound/outbound of goods flows, mail service and chemical waste management.

2. SCOPE OF THE SUPPLY

CERN intends to place a contract (the “Contract”) for the supply of 90 tons of cold and hot rolled stainless steel sheets and plates in grades 1.4306/1.4307 (AISI 304L) and 1.4404/1.4435 (AISI 316L) for pressure purposes and general applications (in whole or in part, as the “Supply”). This material is used for the manufacturing of mechanical components for pressure equipment applications and general use.

The successful bidder (the “Contractor”) shall provide the Supply as defined in this Technical Specification, including its annexes.

The Supply shall include:

- Technical deliverables as specified in §3;
- Activities as specified in §4;
- Documentation as specified in §5.

3. SPECIFICATION OF THE TECHNICAL DELIVERABLES

The Supply shall comply with the following parameters and its Annexes.

3.1 General Description

The Supply shall be cold-rolled and hot-rolled sheets and plates, heat-treated in compliance with Material Technical Specification n°1009 Ed.1 – EDMS N°2742861 (Annex 1) for the grade AISI

304L and Materials Technical Specification n°1010 Ed.1 – EDMS N°2744317 (Annex 2) for the grade AISI 316L.

3.2 Chemical composition

The chemical composition of the Supply shall comply with:

Annex 1 - Materials Technical Specification n°1009 Ed.1 – EDMS N°2742861

Annex 2 - Materials Technical Specification n°1010 Ed.1 – EDMS N°2744317

3.3 Mechanical properties

The mechanical properties shall comply with:

Annex 1 - Materials Technical Specification n°1009 Ed.1 – EDMS N°2742861

Annex 2 - Materials Technical Specification n°1010 Ed.1 – EDMS N°2744317

3.4 Surface quality

The surface of the Supply shall be clean, pickled or peeled and free from scale, paint and any other foreign matter, especially when it can adversely affect the ultrasonic test sensitivity or cause errors in interpretation.

3.5 Estimated quantities and dimensions

The Supply shall meet the quantities and dimensions described in the Price Table (Annex A).

4. SPECIFICATION OF THE ACTIVITIES

The Supply shall include the activities listed in the present section. These activities shall comply with the requirements specified below.

4.1 Packing and Shipping

The Contractor shall be responsible for the packing and, if requested by CERN for the transport to CERN. In this case, the Contractor shall take up a dedicated all-risk transport insurance for the Supply concerned in accordance with the provisions of DAP Incoterms 2020 conditions, CERN Meyrin (CH) or CERN Prevessin (FR).

In all cases, the Contractor shall comply with the packing and shipping instructions[2] and, in particular, ensure that the Supply is packed in a way that guarantees the absence of any contamination and that no damage or any possible deterioration in performance due to transport conditions can occur.

4.1.1 Packing requirements

The Supply shall be delivered on pallets that comply with the European standard (EUR/EPAL).

The maximum weight per pallet is 1500 kg, with one pallet per batch.

4.2 Identification of the Supply

The Supply shall be marked at both end of each sheet and plate with, at least, the following information:

[2] https://procurement.web.cern.ch/system/files/document/packing-and-shipping-instructions_0.pdf

- Cast number;
- Manufacturer's name;
- Type of material.

The markings shall be chemically or mechanically engraved.

5. SPECIFICATION OF THE DOCUMENTATION

The Contractor shall be certified according to ISO 9001 or national equivalent.

The Supply shall include the documentation specified below:

- Inspection Certificate (see §5.1);
- Delivery documentation (see §5.2).

5.1 Inspection Certificate

The Contractor shall deliver an Inspection Certificate type 3.1 according to EN 10204 (including Cobalt content is possible) for each batch in accordance with the schedule defined in §7.1 prior delivery at the following address: Appro-Raw-Material@cern.ch

5.2 Delivery documentation

The original delivery note shall be included with each shipment. It should be attached to the front of the packaging in a clearly visible location. The delivery note should not be placed with the shipping documents. If a shipment consists of multiple packages, each package shall have its own packing list.

The shipping information on both the delivery notes and packing lists should be identical, except that the delivery note will list all the items in the entire shipment, while the packing list will only include details for the respective package. Each item in the packing list should be listed on a separate page.

Both the delivery notes and packing list shall include the following information:

- CERN order number;
- CERN article number and description;
- Batch number, heat number and certificate 3.1 document number;
- Number of packaging units per position;
- Delivery quantity unit, total gross and net weight;
- Delivery note number and possibly consignment number.

5.3 Progress Report

The contractor is required to send us a summary of the weekly delivery in Excel format, prior to delivery, to the following address: stores-replenishment-pool2@cern.ch.The summary should include the CERN order number, material description, gross and net quantities for each item, as well as the batch number and certificate number 3.1 EN 10204.

5.4 Creation, Updating and Control of Documents

The Contractor shall apply professional standards and codes in matters of document editing, design process, design reviews and approval, naming conventions and tagging, quality assurance/control.

The full documentation supplied in the framework of the Contract (including all drawings and schematics) shall be in English or French.

The Contractor shall submit all documents produced exclusively in the following electronic formats:

- Text documents in Microsoft Word® or PDF® format.
- Schedules in Microsoft Project® or PDF® format.

6. APPLICABLE NORMS AND STANDARDS

The Supply shall comply with Laws. For the purpose of the Contract, Laws shall include all relevant rules, norms and standards, with relevant standards for pressure vessels, such as ASME, EN, or PED (Pressure Equipment Directive) and according to Normative references in Annex 1 and Annex 2.

7. PERFORMANCE OF THE CONTRACT

7.1 Schedule

The Contractor shall deliver the Supply in accordance with the following schedule, starting from the date of notification of the Contract to the Contractor.

	Milestones	Weeks
T_0	Notification of Contract to the Contractor	May 2025
	Deliveries after released orders 4 weeks	$T_0 + 4$
	Acceptance of the Supply by CERN (see §7.3)	T_1+1

7.2 Contract Follow-Up and Progress Monitoring

The Contractor shall assign a person responsible for the technical execution of the contract and its follow-up, as well as a person responsible for the commercial follow-up, throughout the duration of the contract. They shall be able to communicate in one of the official languages of CERN (English or French). They shall also be available for regular conference calls with CERN by phone other means.

7.3 Acceptance

The Contractor shall deliver to CERN for acceptance the Supply as specified in §3, in conformity with §4 and with all documentation in §5; and according to the schedule defined in §7.1.

8. CONTACT PERSONS AT CERN

All commercial and technical correspondence concerning the Price Enquiry shall be communicated to the CERN Procurement Officer and in copy to the technical officer. Any communication by or to any other person than the CERN Procurement Service shall not be valid and have no effect.

Procurement officer	**Telephone**	**Email**
Mrs Mihaela Palimaru	Tel: +41 22 766 0532	Mihaela.Palimaru@cern.ch
In case of absence:		
Mr Simon Guerri Dall'Oro	Tel: +41 22 767 6591	Simon.Guerridalloro@cern.ch
Technical officer	**Telephone**	**Email**
Mrs Leila Akhouay	Tel: +41 22 767 2239	Leila.Akhouay@cern.ch
In case of absence:		
Mrs Ana Teresa Perez Fontenla	Tel: +41 22 767 3257	Ana.teresa.perez.fontenla@cern.ch

9. ANNEXES:

Annex_1_Materials_Technical_Specification_n°1009_Ed.1_EDMS N°2742861

Annex_2_Materials_Technical_Specification_n°1010_Ed.1_EDMS N°2744317

Annex_3_Description_and_Quantity Estimate_(DQE)