

491989-2026 - Competition

Switzerland – Laboratory, optical and precision equipments (excl. glasses) – Multitube thermal processing furnace (MTPF) for oxidation and LPCVD at the PSI PICO cleanroom

OJ S 135/2026 16/07/2026

**Contract or concession notice – standard regime - Change notice
Supplies**

1. Buyer

1.1. Buyer

Official name: Paul Scherrer Institut (PSI)

Email: publictenders@psi.ch

Legal type of the buyer: Body governed by public law

Activity of the contracting authority: Education

2. Procedure

2.1. Procedure

Title: Multitube thermal processing furnace (MTPF) for oxidation and LPCVD at the PSI PICO cleanroom

Description: The equipment to be procured is a multitube thermal processing furnace (MTPF) essential for the deposition of materials for quantum, photonic and x-ray applications of the groups at the LNQ and LXN laboratories and for all PSI cleanroom users. The MTPF should have a horizontal arrangement of the tubes and should be capable to process in one load up to 50 wafers of 200 mm diameter with good within-wafer, wafer-to-wafer and batch-to-batch uniformity. The MTPF should have an automation option allowing to process, at least, 4 wafer batches of 50 wafers in the same or different tubes one after the other without the presence of operator. The MTPF shall be delivered with four 200 mm compatible tubes: – Tube 1: atmospheric thermal dry and wet oxidation (quartz tube up to 1050°C; optional SiC tube up to 1250°C); – Tube 2: LPCVD stoichiometric Si₃N₄ layers for photonic applications and low-stress Si_Nx layers for membrane fabrication; – Tube 3: LPCVD TEOS-based SiO₂ layers; – Tube 4: LPCVD polycrystalline and amorphous Si. The MTPF shall be installed through the wall, with the loading station on the cleanroom side and the remaining equipment (furnaces, electronic racks, gas cabinets, pumps and related infrastructure) on the gray room side. It shall be capable of 24/7 operation with a guaranteed uptime of at least 90% and a minimum 2-year warranty.

Procedure identifier: d74d9614-7dfe-4e07-a231-9f9897b42fc7

Type of procedure: Open

The procedure is accelerated: no

2.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

2.1.2. Place of performance

Town: Villigen PSI

Postcode: 5232

Country subdivision (NUTS): Aargau (CH033)

Country: Switzerland

2.1.4. General information

Additional information: Other requirements The bidder must confirm acceptance of the terms of business and the essential requirements in writing. The contractor shall award this contract only to bidders who comply with the conditions stipulated in the tender documents and the legislation, in particular occupational health and safety regulations, rules on working conditions, equal pay regulations, as well as environmental law, competition law and anti-corruption provisions.

Legal basis:

Directive 2014/24/EU

2.1.6. Grounds for exclusion

Sources of grounds for exclusion: Procurement Document

5. Lot

5.1. Lot: LOT-0000

Title: Multitube thermal processing furnace (MTPF) for oxidation and LPCVD at the PSI PICO cleanroom

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5.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

Options:

Description of the options: According specification PSI-PICO-JK67-001 Rev.2.0 chapter 1.5.3

5.1.2. Place of performance

Town: Villigen PSI

Postcode: 5232

Country subdivision (NUTS): Aargau (CH033)

Country: Switzerland

5.1.3. Estimated duration

Other duration: Unknown

5.1.4. **Renewal**

Maximum renewals: 1

5.1.6. **General information**

Reserved participation:

Participation is not reserved.

The names and professional qualifications of the staff assigned to perform the contract must be given: Not yet known

Procurement Project not financed with EU Funds.

The procurement is covered by the Government Procurement Agreement (GPA): yes

5.1.9. **Selection criteria**

Sources of selection criteria: Procurement Document

5.1.10. **Award criteria**

Criterion:

Type: Quality

Description: Award criteria

Description of the method to be used if weighting cannot be expressed by criteria: The award criteria are defined in the documentation.

5.1.11. **Procurement documents**

Access to certain procurement documents is restricted

Information about restricted documents is available at: <https://www.simap.ch/en/redirect?context=eyJwYWdlIjoicHJvamVjdCIsInJvbGUiOm51bGwslm9yZ0kljpudWxsLCJwcm9qZWNO0SWQ>

Ad hoc communication channel:

Name: Simap.ch

5.1.12. **Terms of procurement**

Terms of submission:

Electronic submission: Allowed

Address for submission: <https://www.simap.ch/en/redirect?context=eyJwYWdlIjoicHJvamVjdCIsInJvbGUiOm51bGwslm9yZ0kljpudWxsLCJwcm9qZWNO0SWQ>

Languages in which tenders or requests to participate may be submitted: English

Electronic catalogue: Not allowed

Variants: Allowed

Tenderers may submit more than one tender: Not allowed

Deadline for receipt of tenders: 21/08/2026 14:00:00 (UTC+02:00) Eastern European Time, Central European Summer Time

Duration during which the tender must remain valid: 120 Days

Terms of contract:

The execution of the contract must be performed within the framework of sheltered employment programmes: Not yet known

Conditions relating to the performance of the contract: Further details in the official publication on simap.ch

Electronic invoicing: Required

Electronic ordering will be used: no

Electronic payment will be used: yes

Financial arrangement: Further details in the official publication on simap.ch

5.1.15. **Techniques**

Framework agreement:

No framework agreement

Information about the dynamic purchasing system:

No dynamic purchase system

5.1.16. Further information, mediation and review

Review organisation: Tribunal administratif fédéral

Information about review deadlines: Instructions on legal remedies In accordance with Article 56 paragraph 1 of the Public Procurement Act (PPA), a written appeal against this decision can be lodged with the Federal Administrative Court, P.O. Box, 9023 St. Gallen, Switzerland, within 20 days of notification. Any appeal is to be submitted in duplicate and must include what is being sought, the grounds for appeal, evidence and the signature of the person lodging the appeal or his or her representative. A copy of this decision and available evidence must be included. The provisions of the Administrative Procedure Act (APA) on legal holidays do not apply in accordance with Article 56 paragraph 2 of the PPA.

Organisation providing additional information about the procurement procedure: Paul Scherrer Institut (PSI)

8. Organisations

8.1. ORG-0001

Official name: Paul Scherrer Institut (PSI)

Registration number: cff7d772-b5b2-4cfa-b76b-eccb6c72303a

Postal address: Forschungsstrasse 111

Town: Villigen PSI

Postcode: 5232

Country subdivision (NUTS): Aargau (CH033)

Country: Switzerland

Email: publictenders@psi.ch

Telephone: +41563102111

Internet address: <https://www.psi.ch>

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure

8.1. ORG-0002

Official name: Tribunal administratif fédéral

Registration number: BVGER

Postal address: Postfach

Town: St. Gallen

Postcode: 9023

Country subdivision (NUTS): St. Gallen (CH055)

Country: Switzerland

Email: info@bvger.admin.ch

Telephone: +41584652626

Internet address: <https://www.bvger.ch>

Roles of this organisation:

Review organisation

8.1. ORG-0003

Official name: Simap.ch

Registration number: CH001
Postal address: Holzikofenweg 36
Town: Bern
Postcode: 3003
Country subdivision (NUTS): Bern / Berne (CH021)
Country: Switzerland
Email: support@simap.ch
Telephone: +41584646388
Internet address: <https://www.simap.ch>
Roles of this organisation:
TED eSender

10. Change

Version of the previous notice to be changed
:
f94c5f23-32c4-4d88-8296-607fb8c4b7bc-01
Main reason for change
:
Information updated

10.1. Change

Section identifier: PROCEDURE
Description of changes: Please note the updated dates: Latest arrival date for the processed samples at PSI: 14.08.2026 Submission of questions: 14.08.2026 Submission of tender: 21.08.2026.

Notice information

Notice identifier/version: 9dac7b98-5f4d-4dcb-a3bc-5be16e0bd2a4 - 01
Form type: Competition
Notice type: Contract or concession notice – standard regime
Notice subtype: 16
Notice dispatch date: 15/07/2026 02:26:08 (UTC+02:00) Eastern European Time, Central European Summer Time
Languages in which this notice is officially available: English, German, French
Notice publication number: 491989-2026
OJ S issue number: 135/2026
Publication date: 16/07/2026