

1. Buyer

1.1 Buyer

Official name: Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
Legal type of the buyer: Body governed by public law
Activity of the contracting authority: General public services

2. Procedure

2.1 Procedure

Title: HPHT Triaxial Apparatus
Description: The objective of the proposed Contract is to supply, install, and provide training for a high end, high pressure and high temperature Triaxial Apparatus, including all necessary hardware, software, sensors, peripheral components, and infrastructure adaptations required for full operational readiness within the Geomechanics Laboratory. One, see procurement guide
Procedure identifier: 569d5ac8-0da0-45bf-982c-92fe641bb235
Internal identifier: WS3011436760
Type of procedure: Open
The procedure is accelerated: no

2.1.1 Purpose

Main nature of the contract: Supplies
Main classification (cpv): 38970000 Research, testing and scientific technical simulator
Additional classification (cpv): 38540000 Machines and apparatus for testing and measuring

2.1.2 Place of performance

Country subdivision (NUTS): Utrecht (NL350)
Country: Netherlands
Additional information: Utrecht

2.1.4 General information

Additional information: See Procurement Guide.

Legal basis:
Directive 2014/24/EU

2.1.6 Grounds for exclusion

Sources of grounds for exclusion: Procurement Document

5. Lot

5.1 Lot technical ID: LOT-0000

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Internal identifier: 1

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Main nature of the contract: Supplies
Main classification (cpv): 38970000 Research, testing and scientific technical simulator

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5.1.2 Place of performance

Country subdivision (NUTS): Utrecht (NL350)

Country: Netherlands

Additional information: Utrecht

5.1.3 Estimated duration

Duration: 24 Month

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 required

Procurement Project not financed with EU Funds.

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

5.1.7 Strategic procurement

Aim of strategic procurement: No strategic procurement

5.1.8 Accessibility criteria

Accessibility criteria for persons with disabilities are not included with the following justification

Justification: Not applicable

5.1.9 Selection criteria

Sources of selection criteria: Procurement Document

5.1.10 Award criteria

Criterion:

Type: Price

Name: Price TP

Description: Total Price

Category of award threshold criterion: Weight (points, exact)

Award criterion number: 30

Criterion:

Type: Quality

Name: Preference 8.2.1 a: Maximum pressure

Description: Preference 8.2.1 a: Maximum pressure: ≥ 100 MPa: 50 points 70 to 99.9 MPa: 25 points < 70 MPa: 0 points

Category of award threshold criterion: Weight (points, exact)

Award criterion number: 5

Criterion:

Type: Quality

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|--|--|
| Name: | Preference 8.2.1 b: Gas tight |
| Description: | Preference 8.2.1 b: Gas tight: yes: 30 points no: 0 points |
| Category of award threshold criterion: | Weight (points, exact) |
| Award criterion number: | 3 |
| Criterion: | |
| Type: | Quality |
| Name: | Preference 8.2.1 c: Corrosion resistant |
| Description: | Preference 8.2.1 c: Corrosion resistant: yes: 30 points no: 0 points |
| Category of award threshold criterion: | Weight (points, exact) |
| Award criterion number: | 3 |
| Criterion: | |
| Type: | Quality |
| Name: | Preference 8.2.1 d: Minimum Flow rate |
| Description: | Preference 8.2.1 d: Minimum Flow rate: < 1 µm/min: 60 points ≥ 1 µm/min: 0 points |
| Category of award threshold criterion: | Weight (points, exact) |
| Award criterion number: | 6 |
| Criterion: | |
| Type: | Quality |
| Name: | Preference 8.2.1 e: Maximum Flow rate |
| Description: | Preference 8.2.1 e: Maximum Flow rate: ≥ 100 mL/min: 60 points 10-99.9 mL/min: 30 points < 10 mL/min: 0 points |
| Category of award threshold criterion: | Weight (points, exact) |
| Award criterion number: | 6 |
| Criterion: | |
| Type: | Quality |
| Name: | Preference 8.2.1 f: Cylinder volume |
| Description: | Preference 8.2.1 f: Cylinder volume: ≥ 200 mL: 60 points 100-199.9 mL: 40 points 50-99.9 mL: 20 points < 50 mL: 0 points |
| Category of award threshold criterion: | Weight (points, exact) |
| Award criterion number: | 6 |
| Criterion: | |
| Type: | Quality |
| Name: | Preference 8.2.1 g: Pulse test circuit for permeability measurements |
| Description: | Preference 8.2.1 g: Pulse test circuit for permeability measurements: Yes: 60 points No: 0 points |
| Category of award threshold criterion: | Weight (points, exact) |
| Award criterion number: | 6 |
| Criterion: | |
| Type: | Quality |
| Name: | Preference 8.2.2: Capability to test 1.5" diameter samples |
| Description: | Preference 8.2.2 For flexibility regarding the type of samples to be tested, TNO would prefer if the HPHT Triaxial Apparatus has the capability to test samples of dimension : 1.5" or 38.1 mm diameter and a length to diameter ratio of at least 2:1: Yes: 100 points No: 0 points |

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| Category of award threshold criterion: | Weight (points, exact) |
| Award criterion number: | 10 |
| Criterion: | |
| Type: | Quality |
| Name: | Preference 8.2.3: Ultrasonic velocity measurement system |
| Description: | Preference 8.2.3 The HTHP Triaxial apparatus would gain in characterization capability from an in-situ ultrasonic velocity measurement system (Vp and Vs) with its data acquisition software: Yes: 50 points No: 0 points |
| Category of award threshold criterion: | Weight (points, exact) |
| Award criterion number: | 5 |
| Criterion: | |
| Type: | Quality |
| Name: | Preference 8.2.4: Acoustic emission detection system |
| Description: | Preference 8.2.4 The HTHP Triaxial apparatus would gain in characterization capability from an in-situ acoustic emission detection system with its data acquisition software: 6 piezometer sensors: 50 points 4 piezometer sensors: 25 points 2 piezometer sensors: 10 points No acoustic emission detection system: 0 points |
| Category of award threshold criterion: | Weight (points, exact) |
| Award criterion number: | 5 |
| Criterion: | |
| Type: | Quality |
| Name: | Preference 8.2.5: Active cooling system |
| Description: | Preference 8.2.5 For sake of efficiency and in order to reduce experiment time duration, TNO would prefer a pressure cell designed with an active cooling system: Active cooling system: 50 points. No active cooling system: 0 points |
| Category of award threshold criterion: | Weight (points, exact) |
| Award criterion number: | 5 |
| Criterion: | |
| Type: | Quality |
| Name: | Preference 8.2.6: Delivery time |
| Description: | Preference 8.2.6 TNO attaches great value to short delivery time: Delivery between 1 up to and incl. 34 weeks after confirmation of contract: 50 points Delivery between 35 up to and incl. 43 weeks after confirmation of contract: 30 points Delivery between 44 up to and incl. 52 weeks after confirmation of contract: 15 points Delivery beyond 52 weeks after confirmation of contract: 0 points. |
| Category of award threshold criterion: | Weight (points, exact) |
| Award criterion number: | 5 |
| Criterion: | |
| Type: | Quality |
| Name: | Preference 8.2.7: Warranty |
| Description: | Preference 8.2.7: TNO would prefer if the warranty conditions detailed in requirement 8.1.15 is extended to: > 60 months: 50 points > 36 to 60 months: 30 points > 24 to 36 months: 15 points |
| Category of award threshold criterion: | Weight (points, exact) |

Award criterion number: 5

5.1.11 Procurement documents

Deadline for requesting additional information: 31/03/2026 14:00 +02:00

Address of the procurement documents: <https://www.tenderned.nl/aankondigingen/overzicht/418518>

5.1.12 Terms of procurement

Terms of submission:

Electronic submission: Required

Address for submission: <https://www.tenderned.nl/aankondigingen/overzicht/418518>

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

Electronic catalogue: Not allowed

Variants: Not allowed

Deadline for receipt of tenders: 04/05/2026 14:00 +02:00

Deadline until which the tender must remain valid: 3 Month

Information about public opening:

Opening date: 04/05/2026 14:01 +02:00

Terms of contract:

The execution of the contract must be performed within the framework of sheltered employment programmes: No

Electronic invoicing: Required

Electronic ordering will be used: no

Electronic payment will be used: no

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: Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO - Rechtbank Den Haag

Organisation providing additional information about the procurement procedure: Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO

Organisation providing more information on the review procedures: Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO

Organisation receiving requests to participate: Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO

8. Organisations

8.1 ORG-0001

Official name: Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
Registration number: 252056395
Postal address: Anna van Buerenplein 1
Town: Den Haag
Postcode: 2595 DA
Country subdivision (NUTS): Agglomeratie 's-Gravenhage (NL361)
Country: Netherlands
Contact point: Raymond Peddemors
Email: raymond.peddemors@tno.nl
Telephone: +31 888665653
Internet address: <http://www.tno.nl>
Other contact points:

Official name: Rechtbank Den Haag
Postal address: Prins Clauslaan 60
Town: Den Haag
Postcode: 2595 AJ
Country subdivision (NUTS): Agglomeratie 's-Gravenhage (NL361)
Country: Netherlands
Contact point: Voorzieningenrechter
Email: arjan.verhoeven@tno.nl
Telephone: +31 888668570
Internet address: <http://www.rechtspraak.nl>

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure

Organisation receiving requests to participate

Review organisation

Organisation providing more information on the review procedures

10. Change

Version of the previous notice to be changed: 5bf5e2d9-fec3-4eb9-933d-8845071d571a-01

Main reason for change: Information updated

Description: See Final Information Notice HPHT Triaxial Apparatus question/answer 27

Notice information

Notice identifier/version: f2174c4d-fc7f-4d55-9f0b-6f392379aa17 - 01

Form type: Competition

Notice type: Contract or concession notice – standard regime

Notice dispatch date: 02/04/2026 11:21 +02:00

Languages in which this notice is officially available: English

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