

03/12/2025

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: Bifacial LED based Solar Simulator
Description: Bifacial LED based Solar Simulator suitable to measure bifacial tandem cells and modules including external quantum efficiency. One
Procedure identifier: 14c09f5c-bec0-4119-a73b-722fe72ee8cf
Internal identifier: WS2682288826
Type of procedure: Open
The procedure is accelerated: no

2.1.1 Purpose

Main nature of the contract: Supplies
Main classification (cpv): 38540000 Machines and apparatus for testing and measuring

2.1.2 Place of performance

Country subdivision (NUTS): Zuidoost-Noord-Brabant (NL414)
Country: Netherlands
Additional information: Eindhoven

2.1.2 Place of performance

Country subdivision (NUTS): Noordoost-Noord-Brabant (NL416)
Country: Netherlands
Additional information: Eindhoven

2.1.4 General information

Additional information: See: Procurement Guide Bifacial LED based Solar Simulator.

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

Title: Bifacial LED based Solar Simulator
Description: Bifacial LED based Solar Simulator suitable to measure bifacial tandem cells and modules including external quantum efficiency. One
Internal identifier: 1
5.1.1 Purpose
Main nature of the contract: Supplies
Main classification (cpv): 38540000 Machines and apparatus for testing and measuring

5.1.2 Place of performance

Country subdivision (NUTS): Zuidoost-Noord-Brabant (NL414)
Country: Netherlands
Additional information: Eindhoven

5.1.2 Place of performance

Country subdivision (NUTS): Noordoost-Noord-Brabant (NL416)
Country: Netherlands
Additional information: Eindhoven

5.1.3 Estimated duration

Duration: 120 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: 8.3.1 a Separate fused connection

Description: 8.3.1 a Separate fused connection

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

Award criterion number: 4

Criterion:

Type: Quality

Name: 8.3.1 b Automated contact check

Description: 8.3.1 b Automated contact check

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

Award criterion number: 6

Criterion:

Type: Quality

Name:	8.3.1 c Hard current and voltage limit
Description:	8.3.1 c Hard current and voltage limit
Category of award threshold criterion:	Weight (points, exact)
Award criterion number:	5
Criterion:	
Type:	Quality
Name:	8.4.1 Spectral bands
Description:	8.4.1 Spectral bands
Category of award threshold criterion:	Weight (points, exact)
Award criterion number:	3
Criterion:	
Type:	Quality
Name:	8.4.2 a Suns–Voc single junction
Description:	8.4.2 a Suns–Voc single junction
Category of award threshold criterion:	Weight (points, exact)
Award criterion number:	2
Criterion:	
Type:	Quality
Name:	8.4.2 b Suns–Voc multijunction
Description:	8.4.2 b Suns–Voc multijunction
Category of award threshold criterion:	Weight (points, exact)
Award criterion number:	4
Criterion:	
Type:	Quality
Name:	8.4.2 c Suns–Voc Isc
Description:	8.4.2 c Suns–Voc Isc
Category of award threshold criterion:	Weight (points, exact)
Award criterion number:	2
Criterion:	
Type:	Quality
Name:	8.4.3 Suns–Voc minimum intensity
Description:	8.4.3 Suns–Voc minimum intensity
Category of award threshold criterion:	Weight (points, exact)
Award criterion number:	2
Criterion:	
Type:	Quality
Name:	8.4.4 External Quantum Efficiency
Description:	8.4.4 External Quantum Efficiency
Category of award threshold criterion:	Weight (points, exact)
Award criterion number:	15
Criterion:	
Type:	Quality
Name:	8.4.5 Monitoring reference cells in parallel
Description:	8.4.5 Monitoring reference cells in parallel
Category of award threshold criterion:	Weight (points, exact)
Award criterion number:	2
Criterion:	

Type: Quality
Name: 8.6.1 a Downtime
Description: 8.6.1 a Downtime
Category of award threshold criterion: Weight (points, exact)
Award criterion number: 7
Criterion:

Type: Quality
Name: 8.6.1 b Infrastructure
Description: 8.6.1 b Infrastructure
Category of award threshold criterion: Weight (points, exact)
Award criterion number: 2
Criterion:

Type: Quality
Name: 8.6.1 c Cooling of light engines
Description: 8.6.1 c Cooling of light engines
Category of award threshold criterion: Weight (points, exact)
Award criterion number: 1
Criterion:

Type: Quality
Name: 8.7.1 Support
Description: 8.7.1 Support
Category of award threshold criterion: Weight (points, exact)
Award criterion number: 15

5.1.11 Procurement documents

Deadline for requesting additional information: 14/01/2025 14:00 +01:00

Address of the procurement documents: <https://www.tenderned.nl/aankondigingen/overzicht/403625>

5.1.12 Terms of procurement

Terms of submission:

Electronic submission: Required

Address for submission: <https://www.tenderned.nl/aankondigingen/overzicht/403625>

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

Electronic catalogue: Not allowed

Variants: Not allowed

Deadline for receipt of tenders: 11/02/2026 13:00 +01:00

Deadline until which the tender must remain valid: 3 Month

Information about public opening:

Opening date: 11/02/2026 13:01 +01:00

Place: The Hague

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: yes
Electronic payment will be used: yes

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

Notice information

Notice identifier/version:	4d68dd18-df73-4920-a463-3679b1e66030 - 01
Form type:	Competition
Notice type:	Contract or concession notice – standard regime
Notice dispatch date:	03/12/2025 14:11 +01:00
Languages in which this notice is officially available:	English