

662795-2026 - Competition

Italy – Gas generators – Supply, Installation and maintenance of a PEM Electrolyser for Hydrogen Production at JRC Ispra

OJ S 186/2026 25/09/2026

Contract or concession notice – standard regime - Change notice
Supplies

1. Buyer

1.1. Buyer

Official name: European Commission, DG JRC - Joint Research Centre

Email: jrc-ispra-dir-r-procurement@ec.europa.eu

Legal type of the buyer: EU institution, body or agency

Activity of the contracting authority: General public services

2. Procedure

2.1. Procedure

Title: Supply, Installation and maintenance of a PEM Electrolyser for Hydrogen Production at JRC Ispra

Description: The procurement entails the design, manufacturing, delivery, installation, and commissioning of a Proton Exchange Membrane (PEM) electrolysis system for hydrogen production at the JRC Ispra site. The core of the system is a 50 Nm³/h electrolyser (which must be upgradable to 100 Nm³/h) that delivers hydrogen at an outlet pressure of 30 barg. The main equipment will be delivered in a containerized/skid version divided into three specific areas: a control panel area with the AC/DC converter, a water purification unit, and an ATEX-classified area containing the stacks and gas purification treatment. In addition to the containerized unit, the scope of supply includes several external components: An MV/LV transformer A thermal management system (dry cooler) A lowpressure hydrogen storage system consisting of a cylinder rack at 30 bar with a total volume of 5 m³ A gas blender installed on the outlet piping after the storage Finally, the procurement includes a comprehensive service package covering the Factory Acceptance Test (FAT), Site Acceptance Test (SAT), ATEX verification, staff training, two years of spare parts, and a 3year maintenance contract. Reason for Purchasing The primary objective of this procurement is to produce green hydrogen by harnessing the renewable energy generated from the JRC Ispra site's internal photovoltaic (PV) plant. Currently, the site has a 1.35 MWp PV installation, which is planned to be expanded to 2 MWp and eventually 3 MWp in the future. Instead of using battery systems, the JRC intends to use the excess energy from this PV plant to power the electrolyser for selfconsumption. The hydrogen produced will then be blended into the natural gas pipeline (up to a 10% volume blend) to feed the site's cogenerators. A dedicated technical sizing analysis concluded that a modular 2x250 kW electrolyser is the optimal choice, as it offers the best compromise between the available PV power, the number of operating hours, and the demand from the cogenerators across current and future PV expansion scenarios
Procedure identifier: a2c207c5-43fe-42dc-9a1b-05e03990752c

Internal identifier: EC-JRC/IPR/2026/OP/3317

Type of procedure: Open

The procedure is accelerated: no

2.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 42980000 Gas generators

2.1.2. Place of performance

Country: Italy

Anywhere in the given country

Additional information: Please consult the procurement documents.

2.1.3. Value

Estimated value excluding VAT: 1 100 000,00 EUR

2.1.4. General information

Additional information: In case of unavailability or disruptions in the functioning of the electronic means of communication provided in Section 5.1.11 in the last 5 calendar days before the time limit for receipt indicated in Section 5.1.12, the contracting authority reserves the right to extend this time limit and publish the extension at the Internet address provided in Section 5.1.11, without a preceding publication of a corrigendum to this notice. Economic operators interested in this procurement are invited to subscribe to the call for tenders at the address in Section 5.1.11 in order to get notified when new information or documents are published.

Legal basis:

Regulation (EU, Euratom) 2024/2509

2.1.6. Grounds for exclusion

Sources of grounds for exclusion: Procurement Document

5. Lot

5.1. Lot: LOT-0001

Title: Supply, Installation and maintenance of a PEM Electrolyser for Hydrogen Production at JRC Ispra

Description: The procurement entails the design, manufacturing, delivery, installation, and commissioning of a Proton Exchange Membrane (PEM) electrolysis system for hydrogen production at the JRC Ispra site. The core of the system is a 50 Nm³/h electrolyser (which must be upgradable to 100 Nm³/h) that delivers hydrogen at an outlet pressure of 30 barg. The main equipment will be delivered in a containerized/skid version divided into three specific areas: a control panel area with the AC/DC converter, a water purification unit, and an ATEX-classified area containing the stacks and gas purification treatment. In addition to the containerized unit, the scope of supply includes several external components: An MV/LV transformer A thermal management system (dry cooler) A lowpressure hydrogen storage system consisting of a cylinder rack at 30 bar with a total volume of 5 m³ A gas blender installed on the outlet piping after the storage Finally, the procurement includes a comprehensive service package covering the Factory Acceptance Test (FAT), Site Acceptance Test (SAT), ATEX verification, staff training, two years of spare parts, and a 3year maintenance contract. Reason for Purchasing The primary objective of this procurement is to produce green hydrogen by harnessing the renewable energy generated from the JRC Ispra site's internal photovoltaic (PV) plant. Currently, the site has a 1.35 MWp PV installation, which is planned to be expanded to 2 MWp and eventually 3 MWp in the future. Instead of using battery systems, the JRC intends to use the excess energy from this PV plant to power the electrolyser for selfconsumption. The hydrogen produced will then be blended into the natural

gas pipeline (up to a 10% volume blend) to feed the site's cogenerators. A dedicated technical sizing analysis concluded that a modular 2x250 kW electrolyser is the optimal choice, as it offers the best compromise between the available PV power, the number of operating hours, and the demand from the cogenerators across current and future PV expansion scenarios
Internal identifier: EC-JRC/IPR/2026/OP/3317

5.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 42980000 Gas generators

Additional classification (cpv): 45259000 Repair and maintenance of plant, 45310000

Electrical installation work, 71320000 Engineering design services, 24111600 Hydrogen, 45251100 Construction work for power plant, 45253100 Demineralisation plant construction work, 45255800 Gas-production plant construction work, 45317200 Electrical installation work of transformers, 51100000 Installation services of electrical and mechanical equipment

5.1.2. Place of performance

Country: Italy

Anywhere in the given country

Additional information: Please consult the procurement documents.

5.1.3. Estimated duration

Duration: 74 Months

5.1.5. Value

Estimated value excluding VAT: 1 100 000,00 EUR

5.1.6. General information

Reserved participation:

Participation is not reserved.

Procurement Project fully or partially financed with EU Funds.

Information about European Union funds:

EU funds programme: Horizon Europe – the Framework Programme for Research and Innovation (2021/2027)

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

Information about previous notices:

Identifier of the previous notice: 408830-2026

5.1.9. Selection criteria

Sources of selection criteria: Procurement Document

5.1.10. Award criteria

Criterion:

Type: Quality

Description: Please consult the procurement documents.

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 60

Criterion:

Type: Price

Description: Please consult the procurement documents.

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 40

5.1.11. Procurement documents

Deadline for requesting additional information: 30/09/2026 23:59:59 (UTC+02:00) Eastern European Time, Central European Summer Time

Address of the procurement documents: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/tender-details/a2c207c5-43fe-42dc-9a1b-05e03990752c-CN?#anchorDocuments>

Ad hoc communication channel:

Name: Funding and Tenders Portal

URL: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/tender-details/a2c207c5-43fe-42dc-9a1b-05e03990752c-CN?#anchorDocuments>

5.1.12. Terms of procurement

Terms of submission:

Electronic submission: Required

Address for submission: <https://webgate.ec.europa.eu/digit/opsys/esubmission?cftUuid=a2c207c5-43fe-42dc-9a1b-05e03990752c>

Languages in which tenders or requests to participate may be submitted: Bulgarian, Czech, Danish, German, Greek, English, Spanish, Estonian, Finnish, French, Irish, Croatian, Hungarian, Italian, Lithuanian, Latvian, Maltese, Dutch, Polish, Portuguese, Romanian, Slovak, Slovenian, Swedish

Electronic catalogue: Not allowed

Deadline for receipt of tenders: 08/10/2026 16:00:59 (UTC+02:00) Eastern European Time, Central European Summer Time

Duration during which the tender must remain valid: 6 Months

Information about public opening:

Opening date: 09/10/2026 10:00:00 (UTC+02:00) Eastern European Time, Central European Summer Time

Terms of contract:

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

Electronic invoicing: Allowed

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: Court of Justice of the European Union

Organisation providing more information on the review procedures: European Commission, DG JRC - Joint Research Centre

8. Organisations

8.1. ORG-0001

Official name: European Commission, DG JRC - Joint Research Centre

Registration number: COM

Department: JRC.R - Operations and Support Management

Postal address: Via Enrico Fermi 2749

Town: Ispra (VA)
Postcode: I-21027
Country subdivision (NUTS): Varese (ITC41)
Country: Italy
Email: jrc-ispra-dir-r-procurement@ec.europa.eu
Telephone: +32 2 299 11 11
Internet address: <https://ec.europa.eu/jrc/>

Roles of this organisation:

Buyer

Organisation providing more information on the review procedures

8.1. ORG-0002

Official name: Court of Justice of the European Union
Registration number: CURIA
Postal address: Rue du Fort Niedergrünwald
Town: Luxembourg
Postcode: L-2925
Country subdivision (NUTS): Luxembourg (LU000)
Country: Luxembourg
Email: GC.Registry@curia.europa.eu
Telephone: +352 4303-1
Internet address: <http://curia.europa.eu>

Roles of this organisation:

Review organisation

8.1. ORG-0003

Official name: European Commission
Registration number: EUCOM
Postal address: Mondrian (CDMA), Rue du Champ de Mars 21
Town: Brussels
Postcode: B-1050
Country subdivision (NUTS): Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad (BE100)
Country: Belgium
Email: jrc-ispra-dir-r-procurement@ec.europa.eu
Telephone: +32 2 299 11 11
Internet address: <https://commission.europa.eu/>

Roles of this organisation:

TED eSender

10. Change

Version of the previous notice to be changed

:

cd5b8fd2-ee7c-4270-a484-0f1bfc221f67-01

Main reason for change

:

Information updated

Description

:

Deadline extension

Notice information

Notice identifier/version: 815a4fd8-04e2-4c5d-85eb-2ebbca624d1b - 01

Form type: Competition

Notice type: Contract or concession notice – standard regime

Notice subtype: 16

Notice dispatch date: 23/09/2026 17:52:59 (UTC+02:00) Eastern European Time, Central European Summer Time

Languages in which this notice is officially available: English

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