

583730-2026 - Konkurrencevilkår

Italien – Gasgeneratorer – Supply, Installation and maintenance of a PEM Electrolyser for Hydrogen Production at JRC Ispra

OJ S 162/2026 24/08/2026

Udbuds- eller koncessionsbekendtgørelse – standardordningen

Varer

1. Køber

1.1. Køber

Officielt navn: European Commission, DG JRC - Joint Research Centre

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

Køberens retlige status: EU-institution, organ eller agentur

Den ordregivende myndigheds aktivitet: Generelle offentlige tjenesteydelser

2. Procedure

2.1. Procedure

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

Beskrivelse: 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

Identifikator for proceduren: a2c207c5-43fe-42dc-9a1b-05e03990752c

Intern ID: EC-JRC/IPR/2026/OP/3317

Udbudsprocedure: Offentligt udbud

Proceduren er en hasteprocedure: nej

2.1.1. Formål

Kontraktens hovedformål: Varer

Primær klassifikation (cpv): 42980000 Gasgeneratorer

2.1.2. Udførelsessted

Land: Italien

Hvor som helst i det pågældende land

Yderligere oplysninger: Please consult the procurement documents.

2.1.3. Værdi

Anslået værdi eksklusiv moms: 1 100 000,00 EUR

2.1.4. Generelle oplysninger

Yderligere oplysninger: 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.

Retsgrundlag:

Forordning (EU, Euratom) 2024/2509

2.1.6. Udelukkelsesgrunde

Kilder til grundlag for udelukkelse: Udbudsdokument

5. Delkontrakt

5.1. Delkontrakt: LOT-0001

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

Beskrivelse: 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
Intern ID: EC-JRC/IPR/2026/OP/3317

5.1.1. Formål

Kontraktens hovedformål: Varer

Primær klassifikation (cpv): 42980000 Gasgeneratorer

Supplerende klassifikation (cpv): 45259000 Reparation og vedligeholdelse af anlæg, 45310000

Udførelse af elektriske installationer, 71320000 Ingeniørmæssig projektering, 24111600

Hydrogen, 45251100 Bygge- og anlægsarbejde i forbindelse med kraftværker, 45253100

Bygge-anlægsarbejde: demineraliseringsanlæg, 45255800 Bygge-anlægsarbejde:

gasproduktionsanlæg, 45317200 Einstallation til transformere, 51100000 Installation af elektrisk og mekanisk udstyr

5.1.2. Udførelsessted

Land: Italien

Hvor som helst i det pågældende land

Yderligere oplysninger: Please consult the procurement documents.

5.1.3. Anslået varighed

Varighed: 74 Måneder

5.1.5. Værdi

Anslået værdi eksklusiv moms: 1 100 000,00 EUR

5.1.6. Generelle oplysninger

Reserveret deltagelse:

Deltagelse uden forbehold.

Offentligt udbudsprojekt, der finansieres helt eller delvist med EU-midler

Oplysninger om EU-midler:

EU-støtteprogram: Horisont Europa — rammeprogrammet for forskning og innovation (2021 /2027)

Udbuddet er omfattet af aftalen om offentlige udbud (GPA): ja

Oplysninger om tidligere bekendtgørelser:

ID for den foregående bekendtgørelse: 408830-2026

5.1.9. Udvalgelseskriterier

Kilder til udvalgelseskriterier: Udbudsdokument

5.1.10. Tildelingskriterier

Kriterium:

Type: Kvalitet

Beskrivelse: Please consult the procurement documents.

Kategori for tildelingskriteriet vægt: Vægtning (procentdel, præcis)

Tildelingskriterium talværdi: 60

Kriterium:

Type: Pris

Beskrivelse: Please consult the procurement documents.

Kategori for tildelingskriteriet vægt: Vægtning (procentdel, præcis)

Tildelingskriterium talværdi: 40

5.1.11. Tilbudsdokumenter

Frist for anmodning om yderligere oplysninger: 23/09/2026 23:59:59 (UTC+02:00)

østeuropæisk tid, centraleuropæisk sommertid

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

Ad hoc-kommunikationskanal:

Navn: 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. Tilbudsvilkår

Vilkår for indgivelse:

Elektronisk indgivelse: Påkrævet

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

Sprog, som tilbud og ansøgninger om deltagelse kan indgives på: bulgarsk, tjekkisk, dansk, tysk, græsk, engelsk, spansk, estisk, finsk, fransk, irsk, kroatisk, ungarsk, italiensk, litauisk, lettisk, maltesisk, nederlandsk, polsk, portugisisk, rumænsk, slovakisk, slovensk, svensk

Elektronisk katalog: Ikke tilladt

Frist for modtagelse af tilbud: 01/10/2026 16:00:59 (UTC+02:00) østeuropæisk tid, centraleuropæisk sommertid

Varighed, hvor tilbuddet skal forblive gyldigt: 6 Måneder

Oplysninger om offentlig iværksættelse:

Åbningsdato: 02/10/2026 10:00:00 (UTC+02:00) østeuropæisk tid, centraleuropæisk sommertid

Betingelser for kontraktens udførelse:

Udførelsen af kontrakten skal ske inden for rammerne af programmer for beskyttet

beskæftigelse: Nej

Elektronisk fakturering: Tilladt

Der vil blive anvendt elektronisk bestilling: ja

Der vil blive anvendt elektronisk betaling: ja

5.1.15. Teknikker

Rammeaftale:

Ingen rammeaftale

Oplysninger om det dynamiske indkøbssystem:

Intet dynamisk indkøbssystem

5.1.16. Yderligere oplysninger, mægling og gennemgang

Organisation med ansvar for klager: Court of Justice of the European Union

Organisation, der leverer yderligere oplysninger om klageprocedurerne: European Commission, DG JRC - Joint Research Centre

8. Organisationer

8.1. ORG-0001

Officielt navn: European Commission, DG JRC - Joint Research Centre

Registreringsnummer: COM

Afdeling: JRC.R - Operations and Support Management

Postadresse: Via Enrico Fermi 2749
By: Ispra (VA)
Postnummer: I-21027
Landsdel (NUTS): Varese (ITC41)
Land: Italien
E-mail: jrc-ispra-dir-r-procurement@ec.europa.eu
Telefon: +32 2 299 11 11
Internetadresse: <https://ec.europa.eu/jrc/>

Denne organisations roller:

Køber

Organisation, der leverer yderligere oplysninger om klageprocedurerne

8.1. ORG-0002

Officielt navn: Court of Justice of the European Union
Registreringsnummer: CURIA
Postadresse: Rue du Fort Niedergrünwald
By: Luxembourg
Postnummer: L-2925
Landsdel (NUTS): Luxembourg (LU000)
Land: Luxembourg
E-mail: GC.Registry@curia.europa.eu
Telefon: +352 4303-1
Internetadresse: <http://curia.europa.eu>

Denne organisations roller:

Organisation med ansvar for klager

8.1. ORG-0003

Officielt navn: European Commission
Registreringsnummer: EUCOM
Postadresse: Mondrian (CDMA), Rue du Champ de Mars 21
By: Brussels
Postnummer: B-1050
Landsdel (NUTS): Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad (BE100)
Land: Belgien
E-mail: jrc-ispra-dir-r-procurement@ec.europa.eu
Telefon: +32 2 299 11 11
Internetadresse: <https://commission.europa.eu/>

Denne organisations roller:

TED eSender

Oplysninger om bekendtgørelsen

Bekendtgørelsens ID: af59c306-6862-4cd8-8784-b2957cecff4c - 02
Formulartype: Konkurrencevilkår
Bekendtgørelsestype: Udbuds- eller koncessionsbekendtgørelse – standardordningen
Bekendtgørelsesundertype: 16
Afsendelsesdato for bekendtgørelsen: 21/08/2026 14:16:50 (UTC+02:00) østeuropæisk tid, centraleuropæisk sommertid
Bekendtgørelsens officielle sprog: engelsk
Bekendtgørelsesnummer: 583730-2026

