

Ireland: Works for complete or part construction and civil engineering work SC 07/25 - Open Cycle Gas Turbine (OCGT) and Combined Cycle Gas Turbine (CCGT) Qualification System

Notice on the existence of a qualification system

1 Buyer

1.1 Buyer

Official name: Bord na Móna PLC

Legal type of the buyer: Entity with special or exclusive rights

Activity of the contracting entity: Electricity-related activities

2 Procedure

2.1 Procedure

Title: SC 07/25 - Open Cycle Gas Turbine (OCGT) and Combined Cycle Gas Turbine (CCGT) Qualification System

Description: TBC

Procedure identifier: 7514897a-40ce-4869-a8e8-d8c3d99a8af3

Type of procedure: Negotiated with prior publication of a call for competition / competitive with negotiation

2.1.1 Purpose

Main nature of the contract: Works

Main classification (cpv): 45200000 Works for complete or part construction and civil engineering work

Additional classification (cpv): 42112300 Gas turbines

Additional classification (cpv): 51133100 Installation services of gas turbines

Additional classification (cpv): 71322000 Engineering design services for the construction of civil engineering works

Additional classification (cpv): 45220000 Engineering works and construction works

Additional classification (cpv): 50511200 Repair and maintenance services of gas pumps

Additional classification (cpv): 45251140 Thermal power plant construction work

Additional classification (cpv): 45251100 Construction work for power plant

Additional classification (cpv): 45251000 Construction works for power plants and heating plants

2.1.2 Place of performance

Country: Ireland

Anywhere in the given country

2.1.4 General information

Legal basis:

Directive 2014/25/EU

5 Lot

5.1 Lot technical ID: LOT-0001

Title: OCGT OEM and LTSA

Description: The design, management, engineering, procurement, transportation, commissioning and testing support, and handover of the OCGT(s) consisting of but not limited to the following main elements: • Aeroderivative, industrial or heavy-duty gas turbine technology package(s) capable of firing primarily on Natural Gas and Hydro-treated

Vegetable Oil as a back-up (compliant with BS EN 15940 Class A) in simple cycle operation for a minimum net power output of 40MWe • Cooling systems for combustion air, lubricating oil and other consumers where necessary • Electrical systems including generator, switchgear, auxiliaries and grid offtake connection • GT Fuel Gas Supply Skid • GT Fuel Oil Supply Skid • GT Drainage System • Compressor Water Wash Skid and Drains Receiving Tank • Demineralised Water Supply Skid (if required) • NOx abatement to meet 50mg/Nm³ emissions limit and CO limit of 100mg/Nm³ in line with Industrial Emission Directive (IED) requirements for gas turbines using natural gas Refer to Air Emissions report as part of the planning application for in depth details on emissions limits. • Flue gas stack including continuous emission monitoring system • Power island control systems DCS/ SCADA • Auxiliary Transformers where required • GT Fire Detection and Protection System, including firefighting medium storage • OPTION - Air Compressor and Air Receiving Tank Following the completion of any call offs, the Contracting Entity will sign a contract for the Equipment Supply and a separate contract for the LTSA.

Internal identifier: 1

5.1.1 Purpose

Main nature of the contract: Works

Main classification (cpv): 45200000 Works for complete or part construction and civil engineering work

Additional classification (cpv): 42112300 Gas turbines

Additional classification (cpv): 51133100 Installation services of gas turbines

Additional classification (cpv): 71322000 Engineering design services for the construction of civil engineering works

Additional classification (cpv): 45220000 Engineering works and construction works

Additional classification (cpv): 50511200 Repair and maintenance services of gas pumps

Additional classification (cpv): 45251140 Thermal power plant construction work

Additional classification (cpv): 45251100 Construction work for power plant

Additional classification (cpv): 45251000 Construction works for power plants and heating plants

5.1.2 Place of performance

Country: Ireland

Anywhere in the given country

Additional information:

5.1.3 Estimated duration

Other duration: Unlimited

5.1.4 Renewal

Maximum renewals: 0

5.1.6 General information

Reserved participation: Participation is not reserved.

Procurement Project not financed with EU Funds.

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

5.1.11 Procurement documents

Languages in which the procurement documents are officially available: English

Languages in which the procurement documents (or their parts) are unofficially available: English

Address of the procurement documents: <https://www.etenders.gov.ie/epps/dps/listDPSContractDocuments.do?resourceId=6157614>

5.1.12 Terms of procurement

Terms of submission:

Electronic submission: Required

Address for submission: <https://www.etenders.gov.ie/epps/cft/viewTenders.do?resourceId=6157614>

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

Terms of contract:

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

5.1.16 Further information, mediation and review

Review organisation: The High Court of Ireland

Organisation providing additional information about the procurement procedure: Bord na Móna PLC

Organisation providing offline access to the procurement documents: Bord na Móna PLC

Organisation providing more information on the review procedures: The High Court of Ireland

Organisation receiving requests to participate: Bord na Móna PLC

Organisation processing tenders: Bord na Móna PLC

5.1 Lot technical ID: LOT-0002

Title: OCGT Balance of Plant Constructer

Description: The design, management, engineering, procurement, transportation, construction, installation, testing, commissioning, and handover of the Balance of Plant consisting of (but not limited to) the following main elements:

- Water treatment plant for OCGT demineralised water requirements (if required)
- All interconnecting pipework and equipment between supplied equipment and OCGTs
- Raw and Demineralised water storage tanks (if required)
- Chemical Storage Tanks and associated bunds (if required)
- Processed Water Tanks
- Fuel storage tanks
- Road tanker offloading capable of unloading two tankers simultaneously
- Fuel Polishing System
- Fire protection and detection systems and firefighting water storage tank
- Administration and buildings
- Septic (Waste) Water Tank
- Utility Services
- Electrical connection to point of connection within EirGrid HV Compound.
- Overall Site Control systems
- Foundations for all Plant items and buildings
- Concrete plinths suitable for major plant equipment items
- Concrete bunds
- Drainage System
- Internal site roads including layby's for HVO and Chemical Offloading pipework systems
- Onsite parking spaces
- Landscaping
- Civil Works
- Site entrance including deceleration lane
- Site Security & Fencing
- Installation of OCGT equipment
- Grid Transformer(s)
- All C&I equipment
- DCS System incorporating Power Island Control System.
- All civil Works associated OCGT supply and installation.
- Site Establishment including construction compounds and construction laydown areas
- All HV switchgear from the point of the Generator Circuit Breaker

Internal identifier: 2

5.1.1 Purpose

Main nature of the contract: Works

Main classification (cpv): 45200000 Works for complete or part construction and civil engineering work

Additional classification (cpv): 42112300 Gas turbines

Additional classification (cpv): 51133100 Installation services of gas turbines

Additional classification (cpv): 71322000 Engineering design services for the construction of civil engineering works

Additional classification (cpv): 45220000 Engineering works and construction works

Additional classification (cpv): 50511200 Repair and maintenance services of gas pumps

Additional classification (cpv): 45251140 Thermal power plant construction work

Additional classification (cpv): 45251100 Construction work for power plant

Additional classification (cpv): 45251000 Construction works for power plants and heating plants

5.1.2 Place of performance

Country: Ireland

Anywhere in the given country

Additional information:

5.1.3 Estimated duration

Other duration: Unlimited

5.1.4 Renewal

Maximum renewals: 0

5.1.6 General information

Reserved participation: Participation is not reserved.

Procurement Project not financed with EU Funds.

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

5.1.11 Procurement documents

Languages in which the procurement documents are officially available: English

Languages in which the procurement documents (or their parts) are unofficially available: English

Address of the procurement documents: <https://www.etenders.gov.ie/epps/dps/listDPSContractDocuments.do?resourceId=6157614>

5.1.12 Terms of procurement

Terms of submission:

Electronic submission: Required

Address for submission: <https://www.etenders.gov.ie/epps/cft/viewTenders.do?resourceId=6157614>

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

Terms of contract:

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

5.1.16 Further information, mediation and review

Review organisation: The High Court of Ireland

Organisation providing additional information about the procurement procedure: Bord na Móna PLC

Organisation providing offline access to the procurement documents: Bord na Móna PLC

Organisation providing more information on the review procedures: The High Court of Ireland

Organisation receiving requests to participate: Bord na Móna PLC

Organisation processing tenders: Bord na Móna PLC

5.1 Lot technical ID: LOT-0003

Title: OCGT Engineering, Procurement and Construction (EPC) + LTSA

Description: The engineering design, management, procurement, transportation, construction, installation, testing, commissioning, and handover of the following main elements: • Aeroderivative, industrial or heavy-duty gas turbine technology package(s) capable of firing primarily on Natural Gas and Hydro-treated Vegetable Oil as a back-up (compliant with BS EN 15940 Class A) in simple cycle operation for a minimum net power output of 40MWe. • Cooling systems for combustion air, lubricating oil and other consumers where necessary. • Electrical systems including generator, switchgear, auxiliaries and grid offtake connection. • GT Fuel Gas Supply Skid • GT Fuel Oil Supply Skid • GT Drainage System • Compressor Water Wash Skid and Drains Receiving Tank. • Demineralised Water Supply Skid (if required). • NOx abatement to meet 50mg/Nm3 emissions limit and CO limit of 100mg/Nm3 in line with Industrial Emission Directive (IED) requirements for gas turbines using natural gas. Refer to Air Emissions report as part of the planning application for in depth details on emissions limits. • Flue gas stack including continuous emission monitoring system. • Power island control systems DCS/ SCADA. • Auxiliary Transformers where required. • GT Fire Detection and Protection System, including firefighting medium storage. • OPTION - Air Compressor and Air Receiving Tank. • Water treatment plant for OCGT demineralised water requirements (if required) • All interconnecting pipework and equipment between supplied equipment and OCGTs. • Raw and Demineralised water storage tanks (if required) • Chemical Storage Tanks and associated bunds (if required) • Processed Water Tanks • Fuel storage tanks • Road tanker offloading capable of unloading two tankers simultaneously • Fuel Polishing System • Fire protection and detection systems and firefighting water storage tank • Administration and buildings • Septic (Waste) Water Tank • Utility Services • Electrical connection to point of connection within EirGrid HV Compound. • Overall Site Control

systems • Foundations for all Plant items and buildings • Concrete plinths suitable for major plant equipment items • Concrete bunds • Drainage System • Internal site roads including layby's for HVO and Chemical Offloading pipework systems • Onsite parking spaces • Landscaping • Civil Works • Site entrance including deceleration lane • Site Security & Fencing • Installation of OCGT equipment • Grid Transformer(s) • All C&I equipment • DCS System incorporating Power Island Control System. • All civil Works associated OCGT supply and installation. • Site Establishment including construction compounds and construction laydown areas. • All HV switchgear from the point of the Generator Circuit Breaker Following the completion of any call offs the Contracting Entity will sign a contract with the EPC and a separate contract for the LTSA with the OEM included in the EPC's tender submission.

Internal identifier: 3

5.1.1 Purpose

Main nature of the contract: Works

Main classification (cpv): 45200000 Works for complete or part construction and civil engineering work

Additional classification (cpv): 42112300 Gas turbines

Additional classification (cpv): 51133100 Installation services of gas turbines

Additional classification (cpv): 71322000 Engineering design services for the construction of civil engineering works

Additional classification (cpv): 45220000 Engineering works and construction works

Additional classification (cpv): 50511200 Repair and maintenance services of gas pumps

Additional classification (cpv): 45251140 Thermal power plant construction work

Additional classification (cpv): 45251100 Construction work for power plant

Additional classification (cpv): 45251000 Construction works for power plants and heating plants

5.1.2 Place of performance

Country: Ireland

Anywhere in the given country

Additional information:

5.1.3 Estimated duration

Other duration: Unlimited

5.1.4 Renewal

Maximum renewals: 0

5.1.6 General information

Reserved participation: Participation is not reserved.

Procurement Project not financed with EU Funds.

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

5.1.11 Procurement documents

Languages in which the procurement documents are officially available: English

Languages in which the procurement documents (or their parts) are unofficially available: English

Address of the procurement documents: <https://www.etenders.gov.ie/epps/dps/listDPSContractDocuments.do?resourceId=6157614>

5.1.12 Terms of procurement

Terms of submission:

Electronic submission: Required

Address for submission: <https://www.etenders.gov.ie/epps/cft/viewTenders.do?resourceId=6157614>

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

Terms of contract:

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

5.1.16 Further information, mediation and review

Review organisation: The High Court of Ireland

Organisation providing additional information about the procurement procedure: Bord na Móna PLC

Organisation providing offline access to the procurement documents: Bord na Móna PLC

Organisation providing more information on the review procedures: The High Court of Ireland

Organisation receiving requests to participate: Bord na Móna PLC

Organisation processing tenders: Bord na Móna PLC

5.1 Lot technical ID: LOT-0004

Title: CCGT Engineering, Procurement and Construction (EPC) + LTSA

Description: The engineering design, management, procurement, transportation, construction, installation, testing, commissioning, and handover of a single-shaft, combined-cycle gas turbine power plant, including (but not limited to) the following main elements: • Gas turbine package, capable of primary operation on natural gas and and Hydro-treated Vegetable Oil as a back-up (compliant with BS EN 15940 Class A) in combined cycle operation with a net power output in the region of 400-600MWe. • Steam turbine package, including all associated pipework & valves, full-load bypass, drains, drains tanks • Generator package, including cooling system. • Heat Recovery Steam Generator (HRSG), including all drains, drains tanks, drums, valves, tanks, feedwater systems • Provision for future SCR retro-fit within the HRSG. • Air-Cooled Condenser • Auxiliary fin-fan coolers • Auxiliary boiler • Borehole water abstraction • Raw water, fire water, potable water and demineralized water storage and systems • Demineralized water treatment plant • Fuel storage tanks • Fuel Polishing System required to improve and maintain fuel quality from supply specification to required GT specification, • Gas Turbine Fuel Gas Supply Skid • Gas Turbine Fuel Oil Supply Skid • Gas Turbine Drains System • Gas Turbine Compressor Water Wash Skid and Drains Receiving Tank. • GT Demineralised Water Supply Skid (if required). • NOx abatement (if required) to meet Industrial Emission Directive (IED) requirements for combined cycle gas turbines using natural gas. • Refer to Air Emissions report as part of the planning application for in depth details on emissions limits. • Flue gas stack including continuous emission monitoring system, platform and access stairway. • Power island control systems. • Overall Control System (distributed control system) for the wider plant. • Backup power supply, • Uninterruptable Power Supply (UPS) and battery systems • Generator Step-Up (Grid) Transformer • Auxiliary Transformers where required. • Plant wide Fire Detection and Protection System, including firefighting medium storage. • Compressed air and instrumentation air systems • Chemical Storage Tanks and associated bunds (if required) • Chemical forwarding skids (if required) • Road tanker fuel offloading capable of unloading two tankers simultaneously • Central Control Room, including offices, server rooms, welfare facilities, meeting rooms, light stores • Septic (Waste) Water Tank • Utility Services • Electrical HV connection to point of connection within EirGrid HV Compound. • Foundations for all Plant items and buildings • Concrete plinths suitable for major plant equipment items • Concrete bunds • Drainage System • Internal site roads including laybys for fuel and chemical offloading pipework systems • Onsite roadways & parking • Landscaping • Civil Works • Site entrance including deceleration lane • Site Security & Fencing • All buildings indicated on the planning drawing documentation • Waste water treatment plant • Site Establishment including construction compounds, construction laydown areas, welfare facilities, construction management offices, temporary roads. Following the completion of any call offs the Contracting Entity will sign a contract with the EPC and a separate contract for the LTSA with the OEM included in the EPC's tender submission.

Internal identifier: 4

5.1.1 Purpose

Main nature of the contract: Works

Main classification (cpv): 45200000 Works for complete or part construction and civil engineering work

Additional classification (cpv): 42112300 Gas turbines

Additional classification (cpv): 51133100 Installation services of gas turbines

Additional classification (cpv): 71322000 Engineering design services for the construction of civil engineering works

Additional classification (cpv): 45220000 Engineering works and construction works

Additional classification (cpv): 50511200 Repair and maintenance services of gas pumps

Additional classification (cpv): 45251140 Thermal power plant construction work

Additional classification (cpv): 45251100 Construction work for power plant

Additional classification (cpv): 45251000 Construction works for power plants and heating plants

5.1.2 Place of performance

Country: Ireland

Anywhere in the given country

Additional information:

5.1.3 Estimated duration

Other duration: Unlimited

5.1.4 Renewal

Maximum renewals: 0

5.1.6 General information

Reserved participation: Participation is not reserved.

Procurement Project not financed with EU Funds.

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

5.1.11 Procurement documents

Languages in which the procurement documents are officially available: English

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5.1.12 Terms of procurement

Terms of submission:

Electronic submission: Required

Address for submission: <https://www.etenders.gov.ie/epps/cft/viewTenders.do?resourceId=6157614>

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

Terms of contract:

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

5.1.16 Further information, mediation and review

Review organisation: The High Court of Ireland

Organisation providing additional information about the procurement procedure: Bord na Móna PLC

Organisation providing offline access to the procurement documents: Bord na Móna PLC

Organisation providing more information on the review procedures: The High Court of Ireland

Organisation receiving requests to participate: Bord na Móna PLC

Organisation processing tenders: Bord na Móna PLC

8 Organisations

8.1 ORG-0001

Official name: Bord na Móna PLC

Registration number: 297717

Postal address: Main Street

Town: Newbridge

Postcode: W12 XR59

Country subdivision (NUTS): Dublin (IE061)

Country: Ireland

Email: renewablesprocurement@bnm.ie

Telephone: +35345439000

Internet address: <https://www.bordnamona.ie/>

Buyer profile: <https://www.bordnamona.ie/>

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure

Organisation providing offline access to the procurement documents

Organisation receiving requests to participate

Organisation processing tenders

8.1 ORG-0002

Official name: The High Court of Ireland

Registration number: The High Court of Ireland

Department: The High Court of Ireland

Postal address: Four Courts, Inns Quay, Dublin 7

Town: Dublin

Postcode: D07 WDX8

Country subdivision (NUTS): Dublin (IE061)

Country: Ireland

Email: HighCourtCentralOffice@courts.ie

Telephone: +353 1 8886000

Roles of this organisation:

Review organisation

Organisation providing more information on the review procedures

8.1 ORG-0003

Official name: European Dynamics S.A.

Registration number: 002024901000

Department: European Dynamics S.A.

Town: Athens

Postcode: 15125

Country subdivision (NUTS): Βόρειος Τομέας Αθηνών (EL301)

Country: Greece

Email: eproc-esender@eurodyn.com

Telephone: +30 2108094500

Roles of this organisation:

TED eSender

Notice information

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Notice type: Notice on the existence of a qualification system

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Languages in which this notice is officially available: English