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Planning

Replacement of the ECMB Chillers

APUC Limited on behalf of Scottish Association for Marine Science

F01: Prior information notice

Prior information only

Notice identifier: 2024/S 000-040126

Procurement identifier (OCID): ocids-h6vhtk-04c798

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Section I: Contracting authority

I.1) Name and addresses

APUC Limited on behalf of Scottish Association for Marine Science

Unit 27, Stirling Business Centre, Wellgreen

Stirling

FK8 2DZ

Contact

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Country

United Kingdom

NUTS code

UKM77 - Perth & Kinross and Stirling

Internet address(es)

Main address

<http://www.apuc-scot.ac.uk>

Buyer's address

https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA10402

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Replacement of the ECMB Chillers

Reference number

CS-SAMS-35299

II.1.2) Main CPV code

- 42500000 - Cooling and ventilation equipment

II.1.3) Type of contract

Supplies

II.1.4) Short description

The Scottish Association for Marine Science are intending to publish an ITT for a main Contractor to carry out the Replacement of the ECMB Chillers in February 2025

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 42500000 - Cooling and ventilation equipment

II.2.3) Place of performance

NUTS codes

- UKM63 - Lochaber, Skye & Lochalsh, Arran & Cumbrae and Argyll & Bute

II.2.4) Description of the procurement

SAMS Facilities department are responsible for building maintenance and refurbishment/alteration projects on site. They have identified the need to progress with the following project and require a suitable main Contractor to undertake the works to the specification requirements.

This is a lifecycle/net zero decarbonisation project:

The existing cooling only chillers are to be replaced with modern high efficiency Air Source Heat Pumps which will provide cooling and heating.

Main Objective;

As a lifecycle/condition based replacement project which will provide another step in SAMS operational resilience and meet UK and Scottish Government Net Zero targets for decarbonisation of buildings.

In order to make this project achieve maximum energy and carbon saving benefits, we

have an outline specification of requirements, subject to final design by completion by M&E consultants, which includes:

- Replacement of Cooling only chillers with combined heating and cooling function provides additional capability and by feeding Heating capacity into the existing fossil fuel powered LTHW system this will reduce fossil fuel usage
- Low to very low GWP refrigerant and reduced quantities over existing chillers which will achieve large F-Gas Tco2e savings
- Variable Speed Drive and multi compressor units to allow demand driven running (existing units are single compressor start-stop units) which provide extensive energy saving capability
- Incorporation of Free cooling capacity and a thermal store to integrate with our site BMS system control to charge at most economical periods providing an additional energy saving function.
- Incorporation of waste heat recovery within ASHP units to harvest all waste energy and provide further energy savings and fossil fuel use reduction
- Hydraulic Simulation and optimisation of design approved through Hysopt (or equivalent) HVAC modelling software
- Incorporate a Soft landings type follow up performance review/recommissioning to ensure system is operating at maximum efficiencies through year 1 and going forward thereafter
- Incorporate any other innovative technology provided by suppliers as part of their procurement proposals which will enhance the benefits of the new installation

Desired Outcomes;

An energy efficient cooling system with all possible decarbonisation and energy reduction methods incorporated which will provide effective cooling and supplementary heating output to the ECMB wing. Installed and commissioned by end of November 2025.

ITT to be issued in February 2025 with contract award before 31st March 2025

II.3) Estimated date of publication of contract notice

3 February 2025

Section IV. Procedure

IV.1) Description

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: Yes

Section VI. Complementary information

VI.3) Additional information

NOTE: To register your interest in this notice and obtain any additional information please visit the Public Contracts Scotland Web Site at

https://www.publiccontractsscotland.gov.uk/Search/Search_Switch.aspx?ID=785637.

(SC Ref:785637)