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Planning

FUTURE ENERGY TRIAL – ELECTRICITY GENERATION

Ministry of Defence

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-031084

Procurement identifier (OCID): ocds-h6vhtk-037ec4

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Section I: Contracting authority

I.1) Name and addresses

Ministry of Defence

Bristol

Email

paul.hayes105@mod.gov.uk

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

<https://contracts.mod.uk/go/5195056001843DB21723>

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Ministry or any other national or federal authority

I.5) Main activity

Defence

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

FUTURE ENERGY TRIAL – ELECTRICITY GENERATION

II.1.2) Main CPV code

- 09300000 - Electricity, heating, solar and nuclear energy

II.1.3) Type of contract

Supplies

II.1.4) Short description

This PIN establishes the requirement to trial other fuel sources for automotive use and remain consistent with the wider Departmental Climate Change and Sustainability (CC&S) drivers. There is a global commitment to transition away from fossil fuels in order to achieve both national and international sustainability commitments. This MOD trial is in support of the UK governments 2050 Net Zero Strategy.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 09310000 - Electricity

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

The UK MOD wishes to increase the capability of the future cars and van white fleet through a trial of innovative energy sources using renewable fuelled BEV chargers at various UK locations. The installed equipment, logistic support for the trial and any potential follow-on activity will be an experiment to gain experience of the use of such technology and inform any follow-on associated MT activity.

The chargers of the type must use renewal fuel sources and fast charge power outlet standards

The trial should enable:

- a. Trial hydrogen/ammonia/methanol as fuel source for electricity generation.
- b. Handling of fuels. Use of hydrogen based fuel as a green fuel. Maintenance and training to be given on equipment as required.
- c. In addition to the trial, the supplier will be required to provide suitable open access software to allow the monitoring of the remote stations for user support purposes and for diagnostic purposes.
- d. There is no requirement to supply Government Furnished Assets under this contract.

The outcomes of the trial will be:

- a. Conclude if it offers capability options for MOD to deliver the aims of the next white fleet contract due in be let by 2024 or 2026 depending on existing contract extension.
- b. Handling and sourcing of renewable fuels. Provide an assessment of the use of the fuel as a green fuel, to understand the availability of it or the next best 'green' option. This assessment would also include future renewable sources.
- c. Demonstrate that it reduces the reliance on the at-risk electrical infrastructure on the MOD estate while maintaining or increasing the capability and availability of an asset.
- d. References and is consistent with HM Government, other Government Departments

and MOD strategies where appropriate.

II.2.14) Additional information

Delivery timescales will be finalised during development of the competition pack and SoR. The following is the initial indication of the expected timescale for the delivery of the required output.

- a. Initial findings (end of Phase 1) by 4 weeks from date of delivery of equipment.
- b. Final Report by 6 months from the date of delivery of the equipment.

II.3) Estimated date of publication of contract notice

30 November 2022

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