

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/034943-2022>

Tender

Sub 10GHz Fundamental, Harmonics up to 30GHz Load Pull system

Compound Semiconductor Applications Catapult

F02: Contract notice

Notice identifier: 2022/S 000-034943

Procurement identifier (OCID): ocds-h6vhtk-038c48

Published 9 December 2022, 2:17pm

Section I: Contracting authority

I.1) Name and addresses

Compound Semiconductor Applications Catapult

Innovation Centre, Celtic Way, Imperial Park

Newport Wales

NP10 8BE

Email

procurement@csa.catapult.org.uk

Country

United Kingdom

Region code

UKL - Wales

Companies House

10255214

Internet address(es)

Main address

<https://csa.catapult.org.uk>

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

<https://csa.catapult.org.uk>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted to the above-mentioned address

I.4) Type of the contracting authority

Other type

Partially funded by another Contracting Authority

I.5) Main activity

Other activity

Research and Development

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Sub 10GHz Fundamental, Harmonics up to 30GHz Load Pull system

Reference number

CON-2022-061

II.1.2) Main CPV code

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.1.3) Type of contract

Supplies

II.1.4) Short description

This test and measurement equipment will be used for R&D at the Catapult's new Telecoms Centre of Excellence for collaborative and internal projects whilst also providing potential commercial opportunities in compliance and pre-qualification testing. The Telecoms Centre of Excellence will allow CSA Catapult to establish new hubs outside of Newport that will enable the development of regional supply chains, enabling companies to commercialise new technologies associated with communications, space, defence and related markets.

The complete standalone load pull system will enable fundamental load-pull from 1.8GHz to 10GHz with 2nd and 3rd harmonic load pull to 30GHz

The equipment will be initially located in the RF Laboratory of the CSA Catapult as the main objective for the acquisition is to use the equipment to characterise high speed RF devices (bare die wafer) and built-up RF modules (amplifiers).

II.1.5) Estimated total value

Value excluding VAT: £750,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKL - Wales

II.2.4) Description of the procurement

This test and measurement equipment will be used for R&D at the Catapult's new Telecoms Centre of Excellence for collaborative and internal projects whilst also providing potential commercial opportunities in compliance and pre-qualification testing. The Telecoms Centre of Excellence will allow CSA Catapult to establish new hubs outside of Newport that will enable the development of regional supply chains, enabling companies to commercialise new technologies associated with communications, space, defence and related markets.

The complete standalone load pull system will enable fundamental load-pull from 1.8GHz to 10GHz with 2nd and 3rd harmonic load pull to 30GHz

The equipment will be initially located in the RF Laboratory of the CSA Catapult as the main objective for the acquisition is to use the equipment to characterise high speed RF devices (bare die wafer) and built-up RF modules (amplifiers).

The system comprises of 2 RF tuner heads (load and source) + a 4 axis bed on which they are supported along with other probes which connect the DC voltages to the unit being tested. The other equipment comprises of a 4 port 26.5GHz VNA. The other associated hardware will enable the amplification and attenuation of all RF signals to enable the driving of devices to suitable levels to obtain the appropriate data.

All cables along with a companion PC running windows O.S. will be supplied which must contain the software to run the load pull test software.

The testbed should support on wafer testing for wafers up to 200 mm with precision probe control, high mag imaging, and offer the option of thermal control between +200°C and -40°C.

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.6) Estimated value

Value excluding VAT: £750,000

II.2.7) Duration of the contract, framework agreement or dynamic purchasing system

Duration in months

48

This contract is subject to renewal

No

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: No

II.2.14) Additional information

To express interest in the requirement and receive the tender documents, please email procurement@csa.catapult.org.uk with CON-2022-061 in the subject field.

Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.2) Economic and financial standing

Selection criteria as stated in the procurement documents

III.1.3) Technical and professional ability

Selection criteria as stated in the procurement documents

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Open procedure

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

The procurement is covered by the Government Procurement Agreement: Yes

IV.2) Administrative information

IV.2.2) Time limit for receipt of tenders or requests to participate

Date

16 January 2023

Local time

10:00am

IV.2.4) Languages in which tenders or requests to participate may be submitted

English

IV.2.6) Minimum time frame during which the tenderer must maintain the tender

Duration in months: 3 (from the date stated for receipt of tender)

IV.2.7) Conditions for opening of tenders

Date

16 January 2023

Local time

11:00am

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.4) Procedures for review

VI.4.1) Review body

High Court

London

Country

United Kingdom