Germany-Erlangen: Research and experimental development services
OJ S 20/2023 27/01/2023
Contract notice
Services

Legal Basis:
Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Fraunhofer-Gesellschaft e.V.
Postal address: Am Wolfsmantel 33
Town: Erlangen
NUTS code: DE252 Erlangen, Kreisfreie Stadt
Postal code: 91058
Country: Germany
E-mail: einkauf@iis.fraunhofer.de
Telephone: +49 91317762230
Fax: +49 91317762249
Internet address(es):
Main address: https://vergabe.fraunhofer.de/NetServer/

I.3. Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: https://www.deutsche-evergabe.de/dashboards/dashboard_off/303038a0-82ad-45ab-a06d-7c49dcbd43b7
Additional information can be obtained from the abovementioned address
Tenders or requests to participate must be submitted electronically via: https://www.deutsche-evergabe.de/dashboards/dashboard_off/303038a0-82ad-45ab-a06d-7c49dcbd43b7
Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at: https://www.deutsche-evergabe.de

I.4. Type of the contracting authority

Body governed by public law

I.5. Main activity

General public services

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

Awarding of contracts for STXMOD chip design and development services
Reference number: PR311223

II.1.2. Main CPV code

73100000 Research and experimental development services

II.1.3. Type of contract

Services

II.1.4. Short description

The division Smart Sensing and Electronics (SSE) of Fraunhofer IIS is currently looking for contractors who can provide services as digital functional verification and digital IC-design backend experts as part of the "STXMOD" project. In STXMOD the next generation of high performance computing accelerators will be developed as a System on Chip in 12 nm silicon technology.

II.1.5. Estimated total value

II.1.6. Information about lots

This contract is divided into lots: yes
Tenders may be submitted for all lots

II.2. Description

II.2.1. Title

B.1_Lot1_STXMOD_Digital_functional_verification
Lot No: 1

II.2.2. Additional CPV code(s)

73100000 Research and experimental development services

II.2.3. Place of performance

NUTS code: DE252 Erlangen, Kreisfreie Stadt
Main site or place of performance: listed in the tender documents

II.2.4. Description of the procurement

Within the STXMOD project a high performance computing application class specific accelerator chip for very complex multi-dimensional stencil and tensor calculations will be developed in 12 nm FinFET silicon technology. To assure the correct functionality digital functional verification on block level and over the hierarchy up to system on chip top level has to be performed. The use of Universal Verification Methodology UVM and sufficient test case and result documentation is mandatory.

Therefore, one meeting per quarter shall be performed at the Fraunhofer Institute for Integrated Circuits in Erlangen-Tennenlohe.

Furthermore, flexibility of working hours is required in order to be able to react promptly to urgent adjustments.

II.2.5. Award criteria

Criteria below
Quality criterion - Name: Presence of professional knowledge / Weighting: 45
Quality criterion - Name: Evaluation of comparative projects / Weighting: 20
Price - Weighting: 35

II.2.6. Estimated value

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

Start: 01/03/2023 End: 30/06/2024
This contract is subject to renewal: yes

Description of renewals:
30 days prior to the expiry of the term, the term may be extended twice by mutual agreement, each time by 12 months. In order to be able to take flexibly into account inflation and/or market-related price developments, a moderate adjustment of the remuneration for the optional extension can be agreed, provided this is appropriate.

II.2.10. Information about variants

Variants will be accepted: no

II.2.11. Information about options

Options: no

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds: no

II.2.14. Additional information

Details can be found in "B. 1_Lot1_Tender_description_STXMOD_Digital_functional_verification".

II.2. Description

II.2.1. Title

B.2_Lot2_STXMOD_Digital_backend_design
Lot No: 2

II.2.2. Additional CPV code(s)

73100000 Research and experimental development services

II.2.3. Place of performance

NUTS code: DE252 Erlangen, Kreisfreie Stadt
Main site or place of performance: listed in the tender documents

II.2.4. Description of the procurement

Within the STXMOD project a high performance computing application class specific accelerator chip for very complex multi-dimensional stencil and tensor calculations will be developed in 12 nm FinFET silicon technology. For the chip implementation a digital backend design expert is requested to execute floorplanning, timing and power analysis, power routing, top level and hierarchical block level place&route and layout verification.

Therefore, one meeting per quarter shall be performed at the Fraunhofer Institute for Integrated Circuits in Erlangen-Tennenlohe.

Furthermore, flexibility of working hours is required in order to be able to react promptly to urgent adjustments.

II.2.5. Award criteria

Criteria below
Quality criterion - Name: Presence of professional knowledge / Weighting: 45
Quality criterion - Name: Evaluation of comparative projects / Weighting: 20
Price - Weighting: 35

II.2.6. Estimated value

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

Start: 01/03/2023 End: 30/06/2024
This contract is subject to renewal: yes
Description of renewals:
30 days prior to the expiry of the term, the term may be extended twice by mutual agreement, each time by one year. In order to be able to take flexibly into account inflation and/or market-related price developments, a moderate adjustment of the remuneration for the optional extension can be agreed, provided this is appropriate.

II.2.10. Information about variants

Variants will be accepted: no

II.2.11. Information about options

Options: no

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds: no

II.2.14. Additional information

Details can be found in "B.2_Lot2_Tender_description_STXMOD_Digital_backend_design".

Section III: Legal, economic, financial and technical information

III.1. Conditions for participation

III.1.1. Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions:
D.2 Self-declaration regarding the absence of exclusion criteria (GWB)

III.1.2. Economic and financial standing

List and brief description of selection criteria:
D.3 Company profile/sales in the last 3 years
Minimum level(s) of standards possibly required:

III.1.3. Technical and professional ability

List and brief description of selection criteria:
D.1 LkSG Self-declaration on sustainability
D.4 Self-declaration regarding connections with Russia
Minimum level(s) of standards possibly required:

III.2. Conditions related to the contract

III.2.2. Contract performance conditions

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Open procedure

IV.1.3. Information about a framework agreement or a dynamic purchasing system

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

The procurement is covered by the Government Procurement Agreement: no

IV.2. Administrative information

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

Date: 14/02/2023 Local time: 10:00

IV.2.3. Estimated date of dispatch of invitations to tender or to participate to selected candidates

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

German

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

Tender must be valid until: 14/04/2023

IV.2.7. Conditions for opening of tenders

Date: 14/02/2023 Local time: 10:00

Information about authorised persons and opening procedure:

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.2. Information about electronic workflows

Electronic ordering will be used

Electronic invoicing will be accepted

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Die Vergabekammern des Bundes
Postal address: Villemombler Straße 76
Town: Bonn
Postal code: 53123
Country: Germany
E-mail: vk@bundeskartellamt.bund.de
Telephone: +49 22894990
Fax: +49 2289499163

VI.4.3. Review procedure

Precise information on deadline(s) for review procedures:
(1) Pursuant to Section 160 (3) No. 1 of the ARC, the candidate/bidder must give notice of any infringements of the contract within 10 days of becoming aware of them.
(2) Pursuant to Section 160 (3) No. 2 of the ARC, violations of procurement regulations which are identifiable on the basis of the notice shall be notified to the contracting authority no later than the expiry of the period for submission of applications or bids specified in the notice.
(3) Pursuant to Section 160 (3) No. 3 of the ARC, violations of procurement regulations which are only apparent in the award documents must be notified to the contracting authority no later than the expiry of the deadline for submitting applications or bids.

(4) Pursuant to Section 160 (3) No. 4 of the ARC, an application for review of a contract award must be filed with the Public Procurement Tribunal within 15 calendar days of the contracting authority's notification that it does not intend to remedy a complaint.

VI.5. Date of dispatch of this notice

23/01/2023