



**Centre for Development of Advanced Computing (C-DAC)**

A Scientific Society of Ministry of Electronics & Information Technology (MeitY),

Government of India

Vellayambalam, Thiruvananthapuram Kerala - 695033

Tel: 0471 2723333 (Ext: 249), Mobile: +91 98470 69184

[www.cdac.in](http://www.cdac.in)

**Expression of Interest (EoI)**

for

**Fabrication, Assembly, Testing and Deployment of  
ARIES ECO / Equivalent Boards using THEJAS32**

EoI No: C-DAC(T)/EoI/HDG/2026/01

April 2026

Version 1 Rev 0

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## 1 NOTICE INVITING EOI

C-DAC Thiruvananthapuram, a Scientific Society under the Ministry of Electronics and Information Technology (MeitY), Govt. of India, invites expression of interest for *Fabrication, Assembly and Deployment of ARIES ECO / Equivalent boards using THEJAS32*. C-DAC has designed and developed development boards based on THEJAS32 SoC which comprises of the indigenous 32-bit single-core VEGA processor (VEGA ET1031). The details of the above can be obtained from the website <https://vegaprocessors.in/>.

ARIES ECO v1.0 is a development platform based on THEAJS32 SoC which operates at a frequency of 100MHz. The ARIES ECO v1.0 is a fully indigenous and a “Made in India” product to get started with basic microprocessor programming and embedded systems. This EoI is to invite organizations/companies to express their interest in manufacturing, assembling, testing, and deploying ARIES ECO / Equivalent boards using THEJAS32. The selected applicants will be provided with the indigenous THEAJS32 SoC and collaterals, enabling them to:

- Adopt indigenous RISC-V processor platforms
- Fabricate, assemble and deploy ARIES ECO board
- Design and develop custom boards based on THEJAS32
- Accelerate product development cycle, reduce time-to-market and cost of development
- Deploy and conduct training on indigenous processor platforms

Applicants may please submit their EoI in the format mentioned in the Annexure I as email and subsequently hard copy in sealed envelope.

This document provides information to enable the partners to understand the broad requirements to submit their proposals expressing their interest for development and deployment of ARIES ECO / Equivalent boards using THEJAS32.

Important Notes:

- The information to be furnished by the applicants is given in Annexure I. Interested parties can submit the EoI in the application form in Annexure I duly filled in with all relevant supporting documents as mentioned in section 4 of EoI document.
- The EoI can be submitted as email and subsequently as hard copy in sealed envelope, properly marked as “**Expression of Interest – Fabrication, Assembly and Deployment of ARIES ECO / Equivalent boards using THEJAS32**” so as to reach the following address:

**Head, Technology Promotion Centre**

Centre for Development of Advanced Computing (C-DAC)

Vellayambalam, Thiruvananthapuram, Kerala, India, PIN: 695033

Phone: 0471 2723333 (Ext: 249), Mobile: +91 98470 69184

Email: [tpc@cdac.in](mailto:tpc@cdac.in) , Website: [www.cdac.in](http://www.cdac.in)

- C-DAC shall not be responsible for non-receipt / non-delivery of the EoI documents due to any reason whatsoever.
- At any time of EoI, C-DAC may carry out amendment(s) to this EoI document and/or the schedule. The amendment will be made available on the website ([www.cdac.in](http://www.cdac.in) & [www.vegaprocessors.in](http://www.vegaprocessors.in)) and will be binding on them.
- To assist in the examination, and evaluation of EoI, C-DAC, at its discretion can ask the applicant for the clarification of their EoI. The request for clarification and the response shall be in writing through email. However clarification at the initiative of the applicant shall not be entertained after submission of EoI.
- C-DAC, reserves the right to visit the facilities of the applicant if required. The official(s) of C-DAC may visit applicant's facilities for the assessment.
- Applicants, if they choose, may visit C-DAC with prior appointment with the contact person as stated below prior to submission of their Expression of Interest.
- C-DAC reserves the right to accept or reject any application without assigning any reason thereof.
- EoI that are incomplete in any respect or those that are not consistent with the requirements as specified in this document or those that do not adhere to formats, wherever specified may be considered non-responsive and may be liable for rejection and no further correspondences will be entertained with such applicants.
- Canvassing in any form would disqualify the applicant.
- The EoI document may be downloaded from the website, [www.cdac.in](http://www.cdac.in) & [www.vegaprocessors.in](http://www.vegaprocessors.in)

For any technical clarification, please approach the following person(s): -

**Head, Technology Promotion Centre**

Centre for Development of Advanced Computing (C-DAC)

Vellayambalam, Thiruvananthapuram, Kerala, India, PIN: 695033

Phone: 0471 2727508, Mobile: +91 98470 69184

Email: [tpc@cdac.in](mailto:tpc@cdac.in), Website: [www.cdac.in](http://www.cdac.in)

Competent Authority  
C-DAC Thiruvananthapuram

## 2 DISCLAIMER

1. Centre for Development of Advanced Computing, Thiruvananthapuram (herein after called C-DAC) has prepared this Expression of Interest Document (“EoI Document”) solely to invite prospective applicants for the EoI *Fabrication, Assembly, Testing and Deployment of ARIES ECO / Equivalent boards using THEJAS32*. While C-DAC has taken due care in the preparation of information contained herein and believes it to be accurate, neither C-DAC or any of its Authorities or Agencies, nor any of their respective officers, employees, agents or advisors give any warranty or make any representations, express or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it.
2. This information is not intended to be exhaustive and interested parties are required to make their own inquiries in order to submit the EoI. The information is provided on the basis that it is non-binding on C-DAC, any of its authorities or agencies or any of their respective officers, employees, agents or advisors.
3. C-DAC reserves the right not to proceed with the EoI process at any stage without assigning any reasons thereof, or to alter the time table reflected in this document or to change the process or procedure to be applied. It also reserves the right to decline to discuss the EoI further with any party submitting an EoI.
4. C-DAC will not be liable to pay / reimburse any cost / losses / expenses / penalties / damages of whatsoever nature to any person (s) / entity (ties) submitting the EoI.
5. This EoI Document is neither an agreement nor an offer and is only an invitation by C-DAC to the entities that are qualified to submit their Expression of Interest as stated in the Notice Inviting EoI.
6. The purpose of this Notice Inviting EoI Document is to provide interested applicants with information to assist in Fabrication, Assembly, Testing and Deployment of ARIES ECO / Equivalent boards using THEJAS32.
7. The issue of this EoI does not imply that C-DAC is bound to select any partner.

## 3 INTRODUCTION

Objective: This EoI is to invite organizations/companies to express their interest in manufacturing, assembling, testing, and deploying ARIES ECO / Equivalent boards using THEJAS32. C-DAC will work with these firms to provide technical support and guidance throughout the process, ensuring seamless deployment of the boards. The request for EoI is to identify eligible partners who are interested in manufacturing and deploying the board.

- a. In view of this, Expression of Interest (EoI) is invited as email and hard copy in sealed envelope superscribed as **<Expression of Interest – Fabrication, Assembly and**

**Deployment of ARIES ECO / Equivalent boards using THEJAS32 >**

- b. This Expression of Interest (EoI) shall be issued in two parts, with the present document constituting Part I.
- c. Only those applicants who participate in Part I shall be eligible to apply for Part II of the EoI.
- d. The detailed eligibility criteria and technical specifications will be provided in Part II of the EoI to applicants who have participated in Part I.

### 3.1 WHO CAN APPLY

Companies (including Private Limited Companies, PSUs, MSMEs and start-ups), R&D institutions, partnership firms working in niche technologies in India and having requisite expertise in fabrication, assembly, testing and deployment of boards; registered under the Companies Act, 2013/the Partnership Act, 1932, Limited Liability Partnership Act, 2008 and Autonomous body, Education/Research institution, duly approved Trust registered under Trusts Act, and Society registered under Societies Registration Act, 1860 and who have their registered offices in India.

### 3.2 SCHEDULE FOR EOI

The details for submitting the EoI are furnished below.

**Table 1 Details for submitting EoI**

1	Name and Address for sending hard copy	<b>Head, Technology Promotion Centre</b> Centre for Development of Advanced Computing (C-DAC) Vellayambalam, Thiruvananthapuram, Kerala, India, PIN: 695033 Phone: 0471 2723333 (Ext: 249), Mobile: +91 98470 69184 Email: <b>tpc@cdac.in</b> , Website: <b>www.cdac.in</b>
2	Email for soft copy submission	<b>tpc@cdac.in</b>
3	Name of the Contact Person for clarification	<b>Head, Technology Promotion Centre</b> Centre for Development of Advanced Computing (C-DAC) Vellayambalam, Thiruvananthapuram, Kerala, India, PIN: 695033 Phone: 0471 2723333 (Ext: 249), Mobile: +91 98470 69184 Email: <b>tpc@cdac.in</b> Website: <b>www.cdac.in</b>

The schedule details are as below:

Issue of EoI	27/04/2026
EoI End Date	27/05/2026
EoI Opening & Evaluation	EoIs shall be opened and evaluated after the EoI end date. However, C-DAC reserves right to open EoI(s) as per its requirements. Intimation will be provided after opening the application in hard copy and evaluation.

### 3.3 MODES OF ENGAGEMENT

In order to meet the stated objective, C-DAC invites EoI from the Companies (including private limited companies, PSUs, MSMEs and start-ups), institutions and companies, Partnership Firms, Trusts, Societies working in niche technologies in India and having requisite expertise in fabrication, assembly, testing and deployment of boards; as detailed below in the following modes subject to GFR 2017 and CVC guidelines.

#### 3.3.1 Fabrication, assembly, testing and deployment of boards

C-DAC's technology for the fabrication, assembly, testing, and deployment of ARIES ECO / Equivalent boards based on THEJAS32 will be transferred to the selected applicants where the selected parties have the right to use the technology, without restricting C-DAC from granting the technology to other parties. Technology shall not be transferred to any other person or entity.

- Detailed design files (schematics, Gerbers, BoM, etc.), technical documentation, user manual etc. will be shared with applicants under appropriate confidentiality arrangements.

#### 3.3.2 Scope of Work

The selected applicant(s) are expected to undertake the following activities:

- Detailed study of the board design and specifications
- PCB fabrication and board assembly
- Component procurement and BoM management
- Board bring-up, testing, and validation
- Firmware/software loading and basic functional verification (if applicable)
- Deployment and training
- Documentation and support

### 3.3.3 Board Design & Specifications

- Board Name: ARIES ECO v1.0
  - Controller THEJAS32
  - SRAM 256KB
  - Flash 2Mbit
  - Input voltage 5.5V
  - PWM pins 8nos
  - Analog Input pins 4nos
  - SPI 1nos
  - UART 1nos
  - I2C 2nos
  - GPIO 11nos
  - RGB 1nos (3x GPIO)
  - DC Current per I/O pin 12mA
  - IO Voltage 3.3V
  - Clock speed 100MHz
  - Length 69mm
  - Width 53mm
- Schematic ARIES ECO board  
The schematic of ARIES ECO board is provided as Annexure II
- BoM of ARIES ECO board  
The schematic of ARIES ECO board is provided as Annexure III

### 3.3.4 Expected Outcome

- Deployment of fully assembled and tested THEJAS32 based boards
- Warranty, support and training

### 3.3.5 Intellectual Property & Confidentiality

- Applicants must agree to sign an NDA prior to receiving detailed design documents.
- C-DAC and VEGA logos to be incorporated in the board design and design documents
- The THEJAS32 device top should not be masked and the C-DAC and VEGA logo must be visible

### 3.4 APPLICANT'S ELIGIBILITY CRITERIA

This process is open to all applicants who fulfil the Qualification criteria as set out in Section 4.1 of this document. The applicants should furnish information on the lines of Section 4.1 in their EoI proposal.

## 4 INSTRUCTION TO APPLICANTS

The EoI is to be submitted in the manner prescribed below. All information as detailed below is to be submitted in soft copy through email and hard copy in sealed envelope.

1. Documents to be furnished
  - a. Applicant's Expression of Interest (Format - 1)
  - b. Application Form (Format - 2)
  - c. Financial strength of the organization (Format - 3)
  - d. Declaration (Format - 4)
2. Important Notes
  - a. Interested applicants for the Fabrication, Assembly, and Deployment of ARIES ECO / equivalent boards using THEJAS32 are required to submit their application under this EoI.
  - b. Queries, if any, may be referred in writing to **tpc@cdac.in** which will be addressed via email.
  - c. All applicants are expected to exercise utmost caution while dealing with prospective clients, so as not to misrepresent facts or give any inappropriate assurances on behalf of C-DAC.
  - d. A Non-Disclosure Agreement (NDA) will be signed prior to initiating technical deliberations with eligible applicants.
  - e. C-DAC will provide the commercial details and terms and conditions for the EoI to all applicants. The applicants on agreeing to the terms and conditions for the EoI need to sign a MoA. The MoA signing needs to be done within three months of C-DAC providing the terms and conditions for the EoI.
  - f. At any time prior to the deadline for submission of EoIs, C-DAC may modify any part of this document. Such change(s) if any may be in the form of an addendum / corrigendum and will be uploaded in the websites [www.cdac.in](http://www.cdac.in) & [www.vegaprocessors.in](http://www.vegaprocessors.in). All such change(s) will automatically become part of this EoI and binding on all applicants. Interested applicants are advised to regularly refer the C-DAC's URLs referred above.
  - g. Interested applicants may submit the EoI. C-DAC may ask applicants for

clarifications or additional documents / credentials at its discretion. Clarifications (if any) will be e-mailed to the applicants.

- h. The applicant should have the necessary credentials and be suitably equipped to execute the activities envisaged in the indicative roles and responsibilities listed out.
- i. The prime responsibility lies with applicant associating with C-DAC as the work / activities can't be fully or partially sub-let to any other entity without prior approval and written consent of C-DAC.

#### 4.1 QUALIFICATION CRITERIA

The qualification criteria for the EoI are listed below.

**Table 2 Qualification Criteria**

Sl No	Pre-qualification criteria	Supporting Documents
1.	Applicant shall be a company / partnership firm / trust / society / autonomous body registered under the Companies Act, 2013 / the partnership Act, 1932, Limited Liability Partnership Act, 2008 or any other relevant Law, and who have their registered offices in India.	Copy of certificate of incorporation, registration, partnership deed.
2.	*Applicant has to submit audited annual accounts statement of the last three (03) consecutive financial years	Format - 3 to be certified & validated by Chartered Accountant (CA) of the applicant with audited annual accounts.
3.	The applicant must not be blacklisted or debarred by any Central Govt. / State Govt. / PSU / Municipal Corporations / other Govt. Bodies, as on date of submission of proposals.	Certificate signed by the Authorized Signatory.
4.	PAN, TAN, GST Registration Certificate.	Copy of Certificate to be enclosed.

*\* Start-ups recognized by DIPP will be given waiver*

Note: The applicants should provide all the necessary documents as listed in table above. C-DAC reserves the right to reject any proposal not fulfilling the eligibility criteria. If in the view of applicant, any exemption / relaxation are applicable to them from any of the eligibility requirements, under any rules / process / guidelines / directives of Government of India, applicant may submit their claim for the applicable exemption / relaxation, quoting the valid rule / process / guidelines / directives. In this case the applicant must submit necessary and sufficient documents along with the EoI, in support of their claim. The decision about granting the exemption/relaxation will be taken by the evaluation committee which is empowered to grant exemption / relaxation. The relevant and valid certificates in support of claim of exemption must be submitted as soft and hard copy.

## 5 TERMS AND CONDITIONS

1. Information shared with the applicant cannot be shared with the third party unless agreed in writing by C-DAC.

2. Contract/Agreement

C-DAC will sign a MoA with the selected Applicant. The selected Applicant is required to comply with the terms and conditions which will be part of the MoA.

C-DAC reserves the right to enter into the MoA with more than one applicants.

3. Right to Amend/Cancel

a. C-DAC reserves the right to amend the eligibility criteria, scope of supply, technical specifications etc.

b. C-DAC reserves the right to cancel the entire EoI without assigning any reasons thereof.

4. Penalty for Use of Undue Influence

The applicant undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of C-DAC or otherwise in procuring the contract / agreement or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the contract / agreement or any other contract / agreement with the Government of India for showing or forbearing to show favour or disfavour to any person in relation to the Contract/Agreement or any other contract/agreement with the Government of India. Any breach of the aforesaid undertaking by the applicant or anyone employed by him or acting on his behalf (whether with or without the knowledge of the applicant) or the commission of any offence by the applicant or anyone employed by him or acting on his behalf, as defined in Chapter 9 of the Indian Penal Code, 1860 or the Prevention of Corruption Act 1986 or any other Act enacted for the prevention of corruption shall

entitle C-DAC to cancel the contract / agreement and all or other contract / agreements with the applicant and recover from the applicant the amount of any loss arising from such cancellation. A decision of C-DAC to the effect that a breach of the undertaking had been committed shall be final and binding on the applicant, giving or offering of any gift, bribe or inducement or any attempt at any such act behalf of the applicant towards any officer / employee of C-DAC or to any other person in a position to influence any officer / employee of C-DAC for showing any favour in relation to this or any other contract / agreement, shall render the applicant to such liability / penalty as C-DAC may deem proper, including but not limited to termination of the contract / agreement, imposition of penal damages, and refund of the amount paid by C-DAC.

5. Intellectual Property Rights (IPR)

C-DAC holds the Intellectual Property Rights (IPRs) pertaining to the R & D in these areas. C-DAC reserves the right to hold these IPRs with them. The use of these IPRs will be allowed only for the purpose stipulated in the agreement to be signed.

6. Corrupt or Fraudulent Practices

- a. It is expected that the selected applicants have highest standards of ethics.
- b. C-DAC will reject the application if it encounters that the applicant has engaged in corrupt or fraudulent practices.

7. Confidentiality

The applicant / or their personnel shall not, either during the term or after expiration of agreement period under this EoI, disclose any proprietary or confidential information relating to the services, contract or C-DAC's business or operations without the prior written consent of C-DAC. The applicant and / or their personnel shall not, either during the term or after expiration of this contract, undertake any public communication, press / media releases relating to the services, contract, or C-DAC's business or operations without the written consent of C-DAC. Information available on public domain is excluded from confidentiality clause. The eligible applicants will be required to sign a Non-Disclosure Agreement (NDA) with C-DAC towards the confidentiality requirements.

8. Interpretation of the Clauses in the EoI Document

In case of any ambiguity/dispute in the interpretation of any of the clauses in the EoI document, the interpretation of the clauses by Executive Director, C-DAC Thiruvananthapuram shall be final and binding on all parties.

## 6 ANNEXURE I

### FORMATS FOR SUBMISSION (FORMAT - 1)

To  
The Executive Director  
C-DAC, Vellayambalam  
Trivandrum – 695033

**Subject: Submission of EoI for Fabrication, Assembly and Deployment of ARIES ECO /  
Equivalent boards using THEJAS32**

Dear Sir,

In response to the Invitation for Expression of Interest (EoI) published on the [www.cdac.in](http://www.cdac.in) & [www.vegaprocessors.in](http://www.vegaprocessors.in). website for the above purpose, we would like to express interest for the same.

As instructed, we attach one set of the following documents in a sealed envelope and soft copy through mail:

1. Application Form (Format - 2)
2. Financial strength of the organization (Format - 3)
3. Declaration (Format - 4)

Sincerely Yours,

\_\_\_\_\_  
Signature of the Competent Authority (with date)

\_\_\_\_\_  
(full name)

\_\_\_\_\_  
(designation)

Stamp & Date

**Encl.: As above.**

*Note*

*This is to be furnished on the letter head of the organization.*

**APPLICATION FORM (FORMAT - 2)**

SL No	Organizational Details	
1	Name of the organization / year of establishment	
2	Main areas of work	
3	Type of organization company / partnership firm registered under the Indian Companies Act, 1956 / the partnership Act, 1932 etc.	
4	Whether the Applicant has been blacklisted by any Central Govt. / State Govt. / PSU / Govt. Bodies / Autonomous / Anywhere else? If yes, details thereof.	
5	Address of registered office with telephone no. & fax	
6	Name of the Contact Person with Telephone No. Mobile No. Email Id.	
7	Organization chart	
8	Registration copy with any Govt. / Govt. undertaking Companies (if any)	
9	Accreditation Details ISO / CMM	

**Enclose:**

1. Copy of Certificate of Incorporation
2. Copy of Article of Association in respect of #3 above.
3. Undertaking in respect of #4 above.

Signature of the Applicant / Authorized Signatory

\_\_\_\_\_  
(Full name of the Applicant / Authorized Signatory)

Stamp & Date

## FINANCIAL STRENGTH OF THE ORGANIZATION (FORMAT – 3)

### FINANCIAL STRENGTH OF THE ORGANIZATION

Sl. No.	Financial Year	Annual net profit	Overall annual turnover
1.			
2.			
3.			

*Note: Please enclose auditor's certificate in support of your claim for last three years.*

Signature of the Applicant / Authorized Signatory

\_\_\_\_\_  
(Full name of the Applicant / Authorized Signatory)

Stamp & Date

**DECLARATION (FORMAT – 4)**

**DECLARATION**

We hereby confirm that we are interested in *'Fabrication, Assembly and Deployment of ARIES ECO / Equivalent boards using THEJAS32'* for Product development as per your EoI. All the information provided herewith is genuine and accurate.

\_\_\_\_\_

(Authorized Person's Signature)

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Date of Signature: \_\_\_\_\_

Stamp & Date

Note: The declaration is to be furnished on the letter head of the organization.

## 7 FREQUENTLY ASKED QUESTIONS

### 7.1 NON-TECHNICAL QUERIES

Sl No	Non-Technical Queries	Clarification
1	Is there any kind of Non-Disclosure agreement to be signed with C-DAC?	NDA will be signed with the selected applicants.
2	Is prior experience with government projects required?	Prior experience with government projects is not mandatory
3	We are a start-up company. Is the ISO Certificate mandatory.	The EoI asks for the status of ISO Certifications. EoI from applicants without ISO certification also will be considered.

### 7.2 TECHNICAL QUERIES

Sl No	Technical Queries	Clarification
1	Will the complete design package (schematics, PCB layout, Gerber files, BoM) be provided?	The schematic and BoM will be available as Part II of EoI and the PCB layout and Gerber files will be provided to selected applicants
2	Are there any constraints on equivalent component substitution?	It is recommended that the components specified in the approved BOM maybe used during fabrication of the ARIES ECO board. Any substitution with an equivalent component shall be considered strictly after technical discussion and prior written approval from C-DAC.