



Expression of Interest (EoI)
for
Selection of Industry Partner
for
Validation and Field Trials of Indigenized Fundus Camera

EoI No: EoI/HTG/03/2023-24
March, 2025

Rev 01

Centre for Development of Advanced Computing (C-DAC)

A Scientific Society of Ministry of Electronics & Information Technology
Government of India

C-DAC Thiruvananthapuram
P.B. No. 6520, Vellayambalam,
Thiruvananthapuram,
Kerala - 695033
Tel: 0471-2723333, 2312627

www.cdac.in



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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 (GoI), invites proposals from prospective industries, to associate for **“Validation and Field Trials of Indigenized Fundus Camera”**.

C-DAC, in collaboration with CSIR-NIIST is currently executing an R&D project funding from MeitY for the design and development of Indigenized Fundus Camera for imaging human retina with following scope

- Requirement Study and finalize Specification
- Setup and Optical Imaging Workbench for test and evaluation
- Identify Opto-Electro-Mechanical Components.
- Design & Development of Fundus imaging system
- Fabrication and Integration
- Evaluation and Benchmarking with commercial system in Workbench
- Field Trials

C-DAC being an R&D organization under MeitY, specializing in electronics and IT product development, seeks industry partners with a proven track record in design, development and manufacturing of Optical systems who will be able to support and augment C-DAC's development activities and perform scope of activities as mentioned above.

Prospective Industry Partners may please submit their sealed Expression of Interest (EoI) in formats specified in Annexure I. This document provides information to enable them to understand the broad requirements to submit their Proposals.

The details are as below:

- Issue of EoI :24/05/2025
- Last date for receipt of EoI :13/06/2025



NOTE:

C-DAC shall not be responsible for non-receipt / non-delivery or late receipt of the EoI documents due to any reason whatsoever.

The EoI document may be downloaded from the website, www.cdac.in

For any technical clarification, please contact using the following details:

Section Head, Technology Promotion Centre

Centre for Development of Advanced Computing (C-DAC)

PB No: 6520, Vellayambalam,

Thiruvananthapuram, Kerala, India, 695033

Phone: 9847069184 Fax: 0471 2723456

Email: tpc@cdac.in Website: www.cdac.in

2. DISCLAIMER

1. Centre for Development of Advanced Computing, Thiruvananthapuram Centre (hereinafter called C-DAC) has prepared this Expression of Interest Document (“EoI Document”) solely to invite prospective industry partners for a project specific collaboration. While C-DAC have 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 Proposal as stated in the Notice Inviting EoI.
6. The purpose of this Notice Inviting EoI Document is to provide interested industries with information to assist the formulation of their Proposal.
7. The issue of this EoI does not imply that C-DAC is bound to select an agency.

3. INTRODUCTION

Centre for Development of Advanced Computing (C-DAC) is the premier R&D organization of the Ministry of Electronics and Information Technology (MeitY) for carrying out R&D in IT, Electronics and associated areas. Different areas of C-DAC had originated at different times, many of which came out as a result of identification of opportunities. C-DAC has today emerged as a premier R&D organization in IT&E (Information Technologies and Electronics) in the country working on strengthening national technological capabilities in the context of global developments in the field and responding to change in the market need in selected foundation areas.

C-DAC Thiruvananthapuram centre has expertise in the design of VLSI Systems, ASIC, IP development, microprocessor, microcontroller and DSP hardware and software technologies, which form the key building blocks in many industrial, health and strategic technology areas. C-DAC has designed, deployed and transferred manufacturing technology for numerous large-scale electronics systems as well as small footprint VLSI and Embedded System Products for applications ranging from Supercomputing, Energy Measurement, Personal Computing, Medical appliances, Power and Process control, Wireless Broadband, Sonar and Acoustic detection, etc.

Diabetes is one of the most prevalent Non Communicable Diseases (NCDs) imposing a significant impact on the global healthcare systems. Diabetic retinopathy (DR), the most common microvascular complication of diabetes, is one of the important causes of preventable blindness globally. Screening for DR is essential as individuals with DR are often asymptomatic during the earlier stages. Timely intervention can reduce the risk of severe visual loss by 90% according to Early Treatment Diabetic Retinopathy Study (ETDRS). The International Diabetes Federation estimated that, in 2019, there were over 77 million people with diabetes in India and that the numbers are expected to increase to 101 million by 2030. Various studies have shown that about one-fifth of people with diabetes in India have some form of DR. Although there are numerous imaging modalities like OCT, RetCam and HRT, retinal imaging using digital fundus camera has been widely used for screening and diagnosis of ocular diseases. Primarily because information extracted from the eye fundus could be useful in detecting a variety of diseases in addition to DR.

C-DAC has conceptualized the proposal with the objective to develop indigenized and cost



effective Fundus Camera which can greatly help to reduce preventable blindness caused by Diabetic Retinopathy in addition to other diseases such as Glaucoma, Age Related Macular Degeneration and other ocular diseases.

Further details of the proposal and the associated system component details are annexed to this document (Annexure II).

3.1. OBJECTIVE OF THE COLLABORATION:

The objective of this EoI is to solicit proposals from prospective industries who can augment C-DAC's capabilities by extending expertise and domain knowledge for scope of activities mentioned in Section 1

3.2. EXPECTATIONS FROM THE INDUSTRY PARTNER

C-DAC invites this Expression of Interest (EoI) from Indian companies/firms (applicants) having relevant technical exposure and in-depth understanding of the Optical Systems Design, Development and Manufacturing who will be able to provide domain knowledge, design inputs, fabrication and validation by way of Collaborative R&D.

Following are the expectations from the industry partnership which should be fulfilled by applicants:

1. Provide domain level support in the perspective of Design of Optical Imaging systems by way of providing technical know-how to build expertise in development of Optical Imaging systems.
2. Provide technical expertise of Fundus Imaging system by way of expert teams to undertake activities for design reviews, Optical system fabrication, integration, testing and field trials. The team should comprise members with varied years of relevant experience spanning multiple engineering domains as required and should be available on a continuous basis with the C-DAC development team, either remotely or physically, as the need may be, for the entire duration of the partnership.
3. Provide the system level technical support by way of technical details, design inputs, specifications, Engineering Drawings, etc. as applicable for development of Indigenized Fundus Camera as and when the development team at C-DAC may require.

The prospective industry partner will be shortlisted through a formal and transparent process, based on the applicant's technical experience, relevance to the project scope, and the interest in joint

business development from the sale of the proposed technologies.

The industry partner should be suitably equipped with R&D facilities and infrastructure within the country, to co-create along with C-DAC and provide the requisite resources for the proposed development.

In view of this, this EoI is invited in sealed envelopes superscripted as **<Expression of Interest – Support for Development, Validation and Field Trials of Indigenized Fundus Camera>**.

- a. From the applicants who meet the Qualification criteria as set out in Section 5,
- b. Agree to abide by the terms and conditions contained in this Request for EoI document without any condition.

3.3. WHO CAN APPLY

Companies (including Private Limited Companies, PSUs, MSMEs and start-ups), , partnership firms working in Medical Device Development or Manufacturing and sale and having requisite expertise in R&D/contract research registered under applicable laws in India, and who have their registered offices in India.

3.4. SCHEDULE FOR EoI

Table 1: Schedule for EoI invitation

1	Name and Address	Section Head, Technology Promotion Centre Centre for Development of Advanced Computing (C-DAC) PB No: 6520, Vellayambalam, Thiruvananthapuram, Kerala, India, 695033 Phone:9847069184 Fax: 0471 2723456 Email: tpc@cdac.in Website: www.cdac.in
2	Email for queries	tpc@cdac.in
3	Closing Date	13/06/2025
4	Name of the Contact Person for any clarification	Section Head, Technology Promotion Centre Centre for Development of Advanced Computing (C-DAC) PB No: 6520, Vellayambalam, Thiruvananthapuram, Kerala, India, 695033 Phone: 9847069184 Fax: 0471 2723456 Email: tpc@cdac.in Website: www.cdac.in

5.	Mode of Submission	Hard copy in sealed envelope, enclosing all specified documents according to the formats specified should be mailed to the contact details, specified in point 1. The firm may send email enclosing all the relevant documents along with sending of hardcopy, so that the evaluation can begin with the soft copy. However non acceptance of tender documents in hardcopy before the due date will be considered as disqualified.
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3.5. MODE 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), , partnership firms working in Design, Development and Manufacturing of Optical Systems and having requisite expertise in R&D/contract research registered under the applicable laws in India, and who have their registered offices in India.

Collaborative R&D -

1. In this mode of engagement, the R&D proposal submitted by C-DAC and CSIR-NIIST for the collaborative development of Indigenized Fundus Camera is approved and funded by MeitY. The approval will indicate the financial share and deliverables of each collaborating partner. The funding for the industry partner, identified as an outcome of this EoI, will be their own, and not from either MeitY or C-DAC.
2. The transfer of developed technology and a revenue sharing model will be evolved as an outcome of this engagement and will be decided as and when each system component is ready for sale, by a duly constituted committee, decided by C-DAC. The committee will consider the valuation of the technology at the time of its market readiness for making a commercially viable product/solution.

3.6. ROLES OF THE INDUSTRY PARTNER

1. Provide domain level support in the perspective of Design of Optical Imaging systems by way of providing technical know-how to build expertise in development of Optical Imaging systems.
2. Provide technical expertise of Fundus Imaging system by way of expert teams to undertake activities for design reviews, Optical system fabrication, integration, testing and field trials. The team should comprise members with varied years of relevant experience spanning

multiple engineering domains as required and should be available on a continuous basis with the C-DAC development team, either remotely or physically, as the need may be, for the entire duration of the partnership.

3. Provide the system level technical support by way of technical details, design inputs, specifications, Engineering Drawings, etc. as applicable for development of Indigenized Fundus Camera as and when the development team at C-DAC may require.

3.7. ROLES OF C-DAC

1. Requirement Study and finalize Specification
2. Setup and Optical Imaging Workbench for test and evaluation
3. Identify Opto-Electro-Mechanical Components.
4. Design & Development of Fundus imaging system
5. Fabrication and Integration
6. Evaluation and Benchmarking with commercial system in Workbench
7. Field Testing
8. Technology Transfer to Manufacturer or supplier as per C-DACs ToT Policy.

3.8. BENEFITS OF THE COLLABORATION FOR THE IDENTIFIED PARTNER

- 1 Industry partner will be eligible for upto 50% share of One Time Transfer of Technology (ToT) Fees and Royalty on ToTs made to any 3rd party after successful completion of targeted deliverables as mentioned in Annexure II.
- 2 Industry partner can also become ToT partner, in that case, industry partner need not pay One Time ToT fees.
- 3 C-DAC will only have right to initiate ToT adhering to policy & guidelines of MeitY.
- 4 The industry partner shall avail all the technical know-how and technology support for integrating the proposed development components and subsystems, leading to development of Indigenized Fundus Camera.
- 5 Gains access to the technical expertise and infrastructure of C-DAC in the proposed area.
- 6 Associations with reputed GoI organizations like C-DAC to develop niche, indigenous and cost-effective technologies to meet the upcoming area of Medical Imaging.



- 7 Gain a head start among other competitors to showcase, demonstrate and commercialize developed technologies for revenue earning and market capitalization.
- 8 Option for limited exclusivity for a period of 2 years during the post engagement plan with revenue earning options based on revenue sharing model defined by the ToT committee.
- 9 Possible assistance to improve the existing technology and/or develop new features/solutions as per market requirements. The modalities of this engagement for developing new features/solutions shall be arrived at a later stage.

3.9. APPLICANT'S ELIGIBILITY CRITERIA

This process is open to all applicants who fulfill the Qualification Criteria as set out in Section 5 of this document. The applicants should furnish information on the lines of Section 5 in their EoI proposal.

INSTRUCTION TO APPLICANTS

1. The EoI is to be submitted in the manner prescribed below. All information as detailed below is to be submitted in hard copy in a sealed envelope with relevant enclosures (PART-A: Technical Proposal and PART-B: Financial Proposal), within the prescribed timeline.

PART- A: Technical Proposal

- a. Applicant's Expression of Interest (Format - 1)
- b. Organizational Contact Details (Format - 2)
- c. Experience and Technical Competence of the applicant (Format - 3)
- d. Technical Commitments of the applicant (Format - 4)
- e. Financial Strength of the applicant (Format - 5)
- f. Declaration (Format - 6)

PART-B: Financial Proposal

- a. Financial Commitment of the applicant with explicit details and break-down (Format - 7)
2. Queries, if any, may be referred to in writing to tpc@cdac.in. However, C-DAC reserves the right not to respond to any/all queries raised or clarifications sought if, in their opinion and at their sole discretion, they consider that it would be inappropriate to do so or do not find any merit in it.
 3. **Modification in the EoI document:** 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 C-DAC website <https://www.cdac.in>. All such change(s) will automatically become part of this EoI and binding on all applicants. Interested applicants are advised to regularly refer to the C-DAC website (www.cdac.in).
 4. **Pre-submission Meeting:** No formal Pre-submission meeting has been planned for this EoI. However in case of any clarifications needed, applicants may refer to point number 2 of this section.
 5. **Submission of EoI:** The applicants may submit their duly filled EoI proposals as per details specified in Section 3.4 (Schedule for EoI) by hard copy. C-DAC may ask applicants for clarifications or additional documents/credentials at its discretion. Clarifications (if any) will be e-mailed to the applicants.

4. QUALIFICATION CRITERIA

Table 2: Qualification Criteria and Supporting Documents

Sl. No.	Qualification criteria	Supporting Documents to be Enclosed
1.	Legal Status of the Applicant: Applicant shall be a company (including Private Limited Companies, PSUs, MSMEs and start-ups)/partnership firm registered under applicable laws in India, and who have their registered offices in India.	Copy of certificate of incorporation, registration, partnership deed, if any. Enclose with Format – 2.
2.	Applicants should not be blacklisted by any Central Govt. /State Govt./ PSU/Municipal Corporations/ other Govt. Bodies or anywhere else.	Certificate signed by the Authorized Signatory of the applicant. Enclose with Format – 2.
3.	PAN, TAN, GST Registration Certificate.	Copy of Certificate to be enclosed.
4.	Applicant's Expression of Interest	Format – 1: To be furnished on company letter head
5	Organizational Contact Details	Format – 2: To be furnished with supporting documents as specified in Annexure I
6	Experience and Technical Competence of the Applicant: The applicant shall have expertise and working experience in the design and development of Medical Devices, with an in-house R&D expertise and infrastructure to undertake Medical Device system development,	Format – 3 <ul style="list-style-type: none"> • Certificate by Authorized Signatory of the applicant or Company Secretary of the firm/organization and other similar documents. • Documentation supporting the available technical expertise to be enclosed.
7	Financial Strength of the Organization	Format - 5: Enclose auditor's certificate for last three financial years.
8	Valid Certifications/Registrations (ISO-13485/ CDSCO/Other)	Copy certificates/registration documents

9	Declaration	Format - 6: To be furnished in company's letterhead.
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Note: The applicants should provide sufficient documentary evidence to support the eligibility criteria. C-DAC reserves the right to reject any proposal not fulfilling the eligibility criteria. If in the view of applicant, any exemption/relaxation is 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 technical proposal, 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 hard copy.

5. EoI EVALUATION

- 1 Screening of EoI proposals shall be carried out as per qualification conditions mentioned in this document and based on verification of documents submitted.
- 2 Technical evaluation of the EoI proposals for shortlisting shall be based on several parameters such as hands-on and practical experience of implementing similar type of projects/products, the number of projects, products completed in the relevant field, qualifications and core expertise of the manpower (especially in R&D), available R&D infrastructure in terms of development and testing tools, and presentation of technical proposal to the selection committee (if required) as detailed in Annexure I . Aspects like market capitalization share, financial turnover, and commercialization prospects within India and abroad are some additional parameters that may be considered for evaluation and subsequent shortlisting.
- 3 C-DAC will take up references and reserves the right to pay due heed to the applicant's performance elsewhere and any past experience from C-DAC/Meity/Institutes under MeitY.
- 4 C-DAC reserves the sole right for selection of the industry partner/s.

6. STANDARD TERMS AND CONDITIONS

1. Information shared by either party cannot be shared with any third-party, unless agreed in writing by the other party. A Non- Disclosure Agreement (NDA) will be signed with the selected industry partner.
2. Parties have the right to exit from the joint collaboration after the agreed time limit or within the period of agreement in case due progress as agreed is not adhered to/achieved.
3. The prime responsibility lies with the 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. Contract/Agreement

C-DAC will sign a contract/agreement with the selected industry partner. The contract/agreement shall cover the following basic contents, terms and conditions (but not limited to):

- a. The purpose/objectives/targets to be achieved, under the collaborative activity.
- b. The deliverables in terms of time period, technological/product development, business volume/sales – quantitative and financial.
- c. Contribution towards tangible and in-tangible resources.
- d. Financial aspects.
- e. Details of IPRs and patents, if any.
- f. Other procedural and legal terms.
- g. The clauses of agreement will be as per GFR/CVC guidelines

5. Effective Date of the Contract/Agreement

On selection of the industry partner through this EoI, a “Letter of Association (LoA)” specifying the broad outline of the area of engagement will be issued by C-DAC. On receipt of the administrative approval from MeitY, a contract/agreement will be signed by both the parties. The contract/agreement shall come into effect on the date of signatures (Effective Date) of both the parties. The performance of the services shall commence from the effective date of the contract/agreement.

6. Right to Amend/Cancel

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. C-DAC also reserves the right to decline to discuss the EoI further with any party submitting an EoI.

7. 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 the EoI selection process or forbearing to do or for having done or forborne to do any act in relation to obtaining 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 offense 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 selection of the applicant 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.*

8. Intellectual Property Rights (IPR)

All prior information, design & data existing with either party before the start of the collaboration (free existing IP) shall be the sole property of that party. The Intellectual Property Rights (IPRs) pertaining to development of technologies/ components/ subsystems modules/ software, undertaken with the funding of MeitY, as part of the project, will be governed by the

IPR policy of MeitY. IPRs, generated jointly if any, during the collaborative activity, will be jointly owned by C-DAC and Industry/ Industries selected through this EoI.

9. Selection of Industry Partner

The interested applicant may submit their proposal in compliance with the eligibility requirements mentioned above. The applicant should take utmost care to submit the necessary and sufficient documents in support of the eligibility requirements. C-DAC reserves the right to accept/reject the proposal of R&D with any party/for any area.

10. Period of Collaboration

The period of the collaborative activity shall be for a period of 1 Year from date of signing the Agreement with industry partner. However, in the event of extensions in the project execution timeline, the same will be applicable to the collaboration.

11. Preparation of Proposals

Applicants should avoid, as far as possible, corrections, overwriting, erasures or postscripts in the proposal documents. In case however, any corrections, overwriting, erasures or postscripts have to be made in the proposals, they should be supported by dated signatures of the same authorized person signing the proposal documents. However, applicants shall not be entitled to amend, add/delete/correct the clauses mentioned in the entire application.

12. Proposal Opening & Evaluation of Proposals

1. The proposals will be evaluated in two steps.
2. Step 1: The proposals will be examined based on the qualification criteria stipulated to screen-in eligible applicants.
3. Step 2: The technical proposals of only the screened-in eligible applicants shall be evaluated based on overall credentials, capability, experience, expertise and resources available with the applicant.
4. CDAC shall evaluate the proposals and will take appropriate decisions on minor deviations, if any.
5. Section 6 articulates the tentative list of parameters that may be considered for evaluation of this EoI.



6. CDAC may require a technical presentation from the applicant and if required, may also plan for a site visit, to ascertain the applicant's capabilities in the proposed area. However, these will be deemed as required only based on the CDAC's deliberations and satisfaction.
7. Applicants whose technical proposal is found to meet the requirements as specified above and as deemed by the CDAC as relevant and appropriate, will qualify for award of LoA.



ANNEXURE – I

APPLICANT'S EXPRESSION OF INTEREST (FORMAT – 1)

To

Head, Technology Promotion Centre

Centre for Development of Advanced Computing (C-DAC)

PB No: 6520, Vellayambalam,

Thiruvananthapuram, Kerala, India, 695033

Subject: Submission of EoI for Selection of Industry Partner for Development Support, Field Testing, Certification and Commercialization of Indigenised Digital Dentistry Components.

Dear Sir,

In response to the Invitation for Expression of Interest (EoI) published on C-DAC 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 sealed envelopes, as directed in the EoI document:

PART- A: Technical Proposal

- a) Organizational Contact Details (Format - 2) with enclosures as specified in the format.
- b) Experience and Technical Competence of the Applicant (Format - 3) with enclosures as specified in the format.
- c) Technical Commitments of the Applicant (Format -4),
- d) Financial Strength of the Applicant (Format - 5)
- e) Declaration (Format - 6)

PART-B: Financial Proposal

- a) Financial Commitment with explicit details and break-down (Format - 7)

Other applicable documents as specified in the EoI document.

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>.

ORGANIZATIONAL CONTACT DETAILS (FORMAT - 2)

1.	Name of the organization and year of establishment	
2.	Main areas of work	
3.	Type of organization /Company (including Private Limited Companies, PSUs, MSMEs and start-ups)/Partnership firm registered under applicable laws in India.	
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

EXPERIENCE AND TECHNICAL COMPETENCE OF THE APPLICANT (FORMAT - 3)

Experience in implementation of solutions similar to design/deployment of products/solutions/technologies				
	Items	Vertical/Area of Work	Number of assignments during last five (05) years	Order Value of each assignment in Lakhs of INR (<i>enclose copy of each order</i>)
	Experience in Optical Imaging System Development			
	Experience in Collaborative R&D executed with Govt. Agencies and Academic Institutes			
	Patents to justify original inventions			
	Scientific Publication in the relevant domain			
	Experience in Ray Tracing & Optical Modeling Softwares			
	Invention / Research Outcomes which has widely manufactured and adopted by end users			



	Experience in Thinfilm coating			
	Relevant Infrastructure available at the organization			
	Manpower details to support proposed development components			

Signature of the Applicant / Authorized Signatory

(Full name of the Applicant / Authorized Signatory)

Stamp & Date

TECHNICAL COMMITMENTS OF THE APPLICANT (FORMAT - 4)

1. Providing Domain Level Support

- a. *<List out the domain level support details that are available at your organization for development of Optical System.>*
- b. *<Specify the expertise available to provide the Optical domain support.>*

2. Technical Team and Expertise

- a. *<List out the details of the technical team that will be earmarked for this project. Please specify the number of employees and their skill sets and the purpose. >*
- b. *<List out your plan of action for supporting C-DAC's development activities - requirements, specifications and integration aspects.>*
- c. *< This can be considered as an investment in kind for the project.>*

3. System level Technical Support for development of Indigenized Fundus Camera

- a. *<Kindly specify how technical details will be provided - documentation and support that will be provided in the project >*
- b. *<Support in Integration Testing and addressing issues faced in Optical Workbench>*
- c. *<support in Field Testing and addressing issues faced>*
- d. *<Benchmarking with Commercial system and addressing gaps>*

4. Other Technical Contributions

- a. *<Scaling up in-house optical imaging lab – identify opto-electro-mechanical components and softwares>*
- b. *<Any other relevant technical contributions can be listed out here. >*



FINANCIAL STRENGTH OF THE APPLICANT (FORMAT – 5)

Sl. No.	Financial Year	Whether profitable Yes/No	Annual net profit	Overall annual turnover
.				
.				
.				
<i>Note: Please enclose auditor's certificate in support of your claim for last three years.</i>				

Signature of the Applicant / Authorized Signatory

(Full name of the Applicant / Authorized Signatory)

Stamp & Date



DECLARATION (FORMAT – 6)

Declaration

We hereby confirm that we are interested in collaborating as an industry partner for “**Development Indigenized Fundus Camera**”, as per your EoI. All the information provided herewith is genuine and accurate. We agree to abide by the terms and conditions contained in the Request for EoI document without any condition.

Authorized Person’s Signature

Name: _____

Designation: _____

Date of Signature: _____

Stamp

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

**FINANCIAL COMMITMENT OF THE APPLICANT WITH EXPLICIT DETAILS AND
BREAK-DOWN (FORMAT - 7)**

Sl. No.	Head	Item Details	Qty	Unit Cost (in Rs. Lakhs)	Total Cost (in Rs. Lakhs)
	Equipment (Implements, Benchmarking kits etc.,)				
	Manpower (with % time committed to the project)				
	Mechanical Fabrication and Integration				
	Testing and Support				
	Travel (for				

	project purposes)				
	Field Trials				
	Contingencies				
	Grand Total				

Note:

1. The above table is representative, and a detailed breakdown shall be provided by the applicant, as may be required.
2. The travel expenses shall only be for the project purposes.
3. The financial commitments in cash and in kind shall be indicated explicitly.

ANNEXURE II

Brief outline of the project with specific technology fallouts

Diabetes is one of the most prevalent Non Communicable Diseases (NCDs) imposing a significant impact on the global healthcare systems. Diabetic retinopathy (DR), the most common microvascular complication of diabetes, is one of the important causes of preventable blindness globally. Screening for DR is essential as individuals with DR are often asymptomatic during the earlier stages. Timely intervention can reduce the risk of severe visual loss by 90% according to Early Treatment Diabetic Retinopathy Study (ETDRS). The International Diabetes Federation estimated that, in 2019, there were over 77 million people with diabetes in India and that the numbers are expected to increase to 101 million by 2030. Various studies have shown that about one-fifth of people with diabetes in India have some form of DR. Although there are numerous imaging modalities like OCT, RetCam and HRT, retinal imaging using digital fundus camera has been widely used for screening and diagnosis of ocular diseases. Primarily because information extracted from the eye fundus could be useful in detecting a variety of diseases in addition to DR.

C-DAC has conceptualized the proposal with the objective to develop indigenized and cost effective Fundus Camera which can greatly help to reduce preventable blindness caused by Diabetic Retinopathy in addition to other diseases such as Glaucoma, Age Related Macular Degeneration and other ocular diseases.

- Identified Specification of the Fundus Camera is as below

Imaging Modality	Non-mydriatic
Minimum Pupil size	2.5mm
Field of View	Wide Field > 50°
Working distance	30 mm
Light Source	White light and IR LED
Diopter correction lens	-20D to +20D

Sensor resolution	Min 5.0MP
Optical Module Length	< 250mm

- Deliverables shall be as below

- Design Files of Optical system with Ray tracing in Code V / Z-Max Optical Modeling Software.
- Component Level Specifications with 2D/3D Drawings.
- Fabrication of one unit of Optical Prototype system
- Demonstrate Compliance to above mentioned Specifications
- Support in integrating Electro-Mechanical Modules developed by C-DAC.
- Knowledge sharing in Optical System Design
- Field Trial Report recommending clinical usage of Fundus Camera.