



Centre for Development of Advanced Computing (C-DAC)
A Scientific Society of Ministry of Electronics & Information Technology (MeitY), Government of
India
Plot no. 20 FC-33 Institutional Area, Jasola Vihar, New Delhi 10025
Tel: 011 2694 0239
www.cdac.in

Expression of Interest (EoI)
for
Transfer of Technology of “Vivan-BCI”

EoI No: C-DAC(D)/EoI/NACI/2025-26/01

July 2025

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1 NOTICE INVITING EOI

C-DAC is a Scientific Society under the Ministry of Electronics and Information Technology (MeitY), Govt. of India, invites expression of interest for *Transfer of Technology*. C-DAC Delhi has developed “**Vivan – BCI**”, a Brain-Computer Interface enabled Assistive System to facilitate communication for individuals with special needs.

By acquiring this technology, your organization can unlock a transformative opportunity to lead in the rapidly growing field of assistive communication and cognitive support. This innovation has the potential to impact millions of neurodiverse and neurotypical people with applications in homes, schools, and clinical settings. Throughout the transfer process, our team will provide full technical support to ensure smooth integration and successful commercialization.

Firms may please submit their sealed 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 by submitting their proposals expressing their interest in Transfer of Technology.

The details are as below:

Issue of EoI	July 17, 2025
EoI End Date	August 06, 2025
EoI Opening & Evaluation	EoIs shall be opened and evaluated as and when received. However, C-DAC reserves the right to open EoI(s) as per its requirements. Intimation will be provided within fifteen working days after opening the application in hard copy and evaluation.

Important Notes:

- The information to be furnished by the bidders 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 – Transfer of Technology**” so as to reach the following address:

Head, Neuro Cognitive Artificial Intelligence

Centre for Development of Advanced Computing (C-DAC)

Plot no. 20 FC-33 Institutional Area, Jasola Vihar, New Delhi - 110025

Phone: 011 2694 0239 (Ext: 9581), Mobile: +91 83368 66974

Email: hanimesh@cdac.in, Website: 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) and will be binding on them.
- To assist in the examination, and evaluation of EoI, C-DAC, at its discretion can ask the bidder 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 bidder shall not be entertained after submission of EoI.
- C-DAC reserves the right to visit the facilities of the bidder if required. The official(s) of C-DAC may visit bidder's facilities for the assessment.
- Bidders, 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 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 bidders.
- Canvassing in any form would disqualify the applicant.
- The EoI document may be downloaded from the website, www.cdac.in

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

Head, Neuro Cognitive Artificial Intelligence

Centre for Development of Advanced Computing (C-DAC)

Plot no. 20 FC-33 Institutional Area, Jasola Vihar, New Delhi - 110025

Phone: 011 2694 0239 (Ext: 9581), Mobile: +91 83368 66974

Email: hanimesh@cdac.in, Website: www.cdac.in

Competent Authority
C-DAC Delhi

2 DISCLAIMER

1. Centre for Development of Advanced Computing, Delhi (herein after called C-DAC) has prepared this Expression of Interest Document ("EoI Document") solely to invite prospective organizations for licensing of IPs. 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 applicant's with information to assist in Transfer of Technology of "Vivan-BCI" developed by C-DAC (with the domain expertise of Child Neurology Division, Department of Pediatrics, AIIMS, New Delhi).
7. The issue of this EoI does not imply that C-DAC is bound to select any partner.
8. This EOI will be open till further notice and any company who wishes to license the C-DAC developed Processor, System and Peripheral IPs can apply for obtaining the same.

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), Govt. of India, for carrying out R&D in IT, Electronics and associated areas. Different areas of C-DAC originated at different times, many of which came out as a result of identification of opportunities. C-DAC has today emerged as a prominent 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 has expertise in the development of Brain-Computer Interfaces (BCIs), and its software-driven architecture enables scalable deployment across assistive communication platforms key building blocks in many industrial and strategic technology areas. C-DAC has designed, deployed, and transferred manufacturing technology for numerous large-scale electronic systems, as well as compact BCI solutions for assistive applications, ranging from individuals recovering from brain strokes to children with special needs.

Objective: The objective of this Expression of Interest (EoI) is to invite proposals from interested parties seeking to acquire the technology, with the intent to either enhance their existing products/solutions/ideas or develop new assistive devices aimed at supporting neuroplasticity and cognitive development.

C-DAC invites Expressions of Interest (EoI) from Indian companies or firms with proven experience in the design, development, and commercialization of “Vivan-BCI”, who are interested in obtaining the rights of the technology showcased at www.cdac.in.

The objective of this request for EoI is to identify eligible partners who are interested in the *Transfer of Technology* designed and developed by C-DAC (with the domain expertise of Child Neurology Division, Department of Pediatrics, AIIMS, New Delhi).

In view of this, Expression of Interest (EoI) is invited as email and hard copy in sealed envelope superscribed as **<Expression of Interest–Transfer of Technology of “Vivan-BCI”>**.

1. From the applicants who meet the eligibility criteria as set out in Section 4.1
2. Agree to abide by the terms and conditions contained in this request for EoI document without any condition.

3.1 WHO CAN APPLY

Any Indian company, including MSMEs or start-ups, willing to acquire technology/products for the marketing, sale, implementation, and support of the C-DAC Virtue HCI Suite can apply for the Reseller cum Implementation Partnership. The

following organizations are eligible to apply

1. An MSME is an organization with a valid MSME certificate
2. A start-up with a DIPPT registration ID, PAN registration, and certificate of incorporation are to be mandatorily provided. In case Start Up does not possess GST certificate, they should acquire such a certificate on empanelment with C-DAC.
3. An Industry shall be a firm/company/partnership firm registered under the Companies Act, 2013/the Partnership Act, 1932, Limited Liability Partnership Act, 2008 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	Head, Neuro Cognitive Artificial Intelligence Centre for Development of Advanced Computing (C-DAC) Plot no. 20 FC-33 Institutional Area, Jasola Vihar, New Delhi - 110025 Phone: 011 2694 0239 (Ext: 9581), Mobile: +91 83368 66974
2	Email for soft copy submission	hanimesh@cdac.in , priyankaj@cdac.in
3	Name of the Contact Person for clarification	Project Manager, Neuro Cognitive Artificial Intelligence Centre for Development of Advanced Computing (C-DAC) Plot no. 20 FC-33 Institutional Area, Jasola Vihar, New Delhi – 110025 Phone: 011 2694 0239 (Ext: 9581), Mobile: +91 83368 66974

3.3 THE PRODUCT

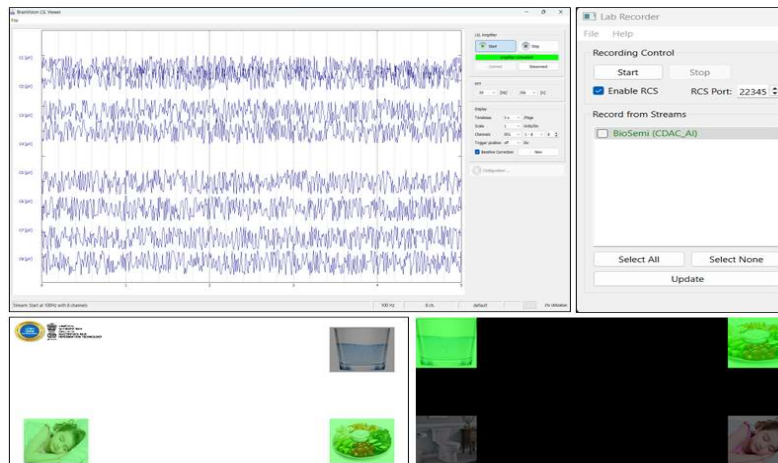
“Vivan – BCI” is the output of a Ministry of Electronics and Information Technology (MeitY), Govt. of India funded project titled ‘A Brain Machine Interface enabled Assistive System for children with special needs.’ It is a non-invasive brain-computer interface (BCI) technology utilizing steady-state visual evoked potentials (SSVEP) captured through scalp-mounted EEG sensors. The system enables real-time, non-verbal communication by detecting users' visual attention on flickering stimuli and translating corresponding brain signals into actionable outputs. Its software-driven architecture allows for scalable deployment across assistive communication platforms, presenting a viable opportunity for commercialization in the neuro-assistive technology sector.

The BCI system has been developed at Neuro-Cognitive AI & XR Group, C-DAC Delhi with the domain expertise of Child Neurology Division, Department of Pediatrics, AIIMS, New Delhi. This is successfully field-tested in the National Institute for the Empowerment of Persons with Intellectual Disabilities (NIEPID), Noida and (The National Drug Treatment Centre (NDDTC) AIIMS Delhi and BJ Medical College, Pune Maharashtra with remarkable

testimony.

“Vivan – BCI” also features an integrated emergency alert mechanism, multilingual user interface (English, Hindi), and compatibility with consumer-grade EEG devices making it cost-effective and scalable. It enables inclusive classroom communication and holds potential for use in therapeutic and behavioral analysis applications.

Through its customizable web-based interface and mobile dashboard, real-time monitoring and remote deployment across institutions is possible, paving the way for large-scale adoption. The technology is ready for commercialization to meet urgent national and global needs in assistive communication, child safety, and inclusive education.



Vivan - BCI is Brain-Machine Interface-based assistive system enabling communication and interaction through audio-visual cues and user-friendly dashboards.



Vivan-BCI is designed to interface with a customized, interactive, and user-friendly mobile/web browser. This interface serves as direct aid for patients, supporting them in their day-to-day activities.

3.4 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), R&D institutions (comprising academia, research institutes, R&D organizations and companies), Firms, Partnership Firms, Trusts, Societies working in niche technologies in India and having requisite expertise in R&D / contract research for Transferring of Technology as detailed below in

the following modes subject to GFR 2017 and CVC guidelines.

- C-DAC's IPs will be licensed in Non-exclusive License mode where the Licensee has the right to use the intellectual property, without restricting C-DAC from using the IP themselves or granting licenses to other parties. Licensee shall not sublicense the licensed IP to any person or entity.
- C-DAC (D) reserves the right to extend the above-mentioned bid submission deadline, in which case, all rights and obligations of C-DAC (D) and the bidders relevant to the previous bid submission deadline shall remain the same for the extended deadline.
- C-DAC (D) also reserves the right to amend the EoI bid documents already published which would be binding on all the interested bidders. The amendment will be made available on C-DAC's website, i.e., www.cdac.in well in advance.
- During the evaluation process of the submitted EoI bids, C-DAC (D) may ask the concerned bidder to provide clarification, if any, on its submitted EoI bid. The request for clarification from C-DAC (D) and the response from the bidder/s shall be in writing. No post-submission of EoI bids and/or clarification/s at the initiative of the bidder shall be entertained.
- Bidders of the EoI bids received may be called to make a presentation before C-DAC (D)'s ToT Committee for their business plan.
- Representative/s of C-DAC (D) may visit the bidder's premises, with prior information, to inspect and assess their facilities mentioned in their EoI bids.
- After the evaluation process of the EoI bids received, C-DAC (D) will invite submission of sealed Financial Bids from the technically selected bids only.
- C-DAC (D) reserves the right to reject all or any application without assigning any reason thereof.
- EoI bids that are incomplete in any respect or those that are not consistent with the requirements as specified in this EoI document or those that do not adhere to the format given below under Annexure-I, may be liable for rejection and no further correspondence will be entertained with such bidders.
- Canvassing in any form would summarily disqualify the bidder.
- All cost and expenses associated with submission of EoI bids shall be borne by the bidders while submitting the EoI; and C-DAC (D) shall have no liability, in any manner in this regard, or if it decides to terminate the short listing for any reason whatsoever.
- The Transfer of Technology (ToT) would be made on a non-exclusive basis and on the sole discretion of C-DAC Delhi. C-DAC Delhi's ToT package may contain the following:
 - Technical Documentation of the product
 - Licenses of the software: The proprietary source code of the system will remain under the guardianship of C-DAC, Delhi. As part of the royalty-based

arrangement, the software will be handed over to the esteemed commercialization partner on a storage device during their sales events.

- Brochure cum User manual
- Signing of ToT Agreement
- Handholding support following ToT

3.5 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. Experience of the Organization (Format - 3)
 - d. Financial Strength of the Organization (Format- 4)
 - e. Declaration (Format-5)

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.	Applicants shall be a firm / 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.	The applicant must have experience in Design & Development of electronics products especially embedded, FPGA / CPLD/ASIC technologies. Applicant shall detail their experience in another field as well *	Format- 3 Certificate by Authorized Signatory of the applicant or Company Secretary of the firm/organization and other similar documents.
3.	Applicant has to submit an audited annual accounts statement for the last three (03) consecutive financial years *	Format -4 to be certified & validated by Chartered Accountant (CA) of the applicant with audited annual accounts.
4.	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.
5.	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 the 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 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 EoI, in support of their claim. The decision about granting 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 EOIEVALUATION

1. Evaluation of EoI shall be carried out by the evaluation committee as per qualification conditions mentioned in this document. Eligible applicants will be informed about further steps in acquiring the licenses.
2. C-DAC reserves the sole right for selection of Licensees for licensing its IPs.

6 TERMS AND CONDITIONS

1. Information shared with the applicant / Licensee cannot be shared with the third party unless agreed in writing by C-DAC.
2. 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.

3. 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.

4. 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 for licensing activity.

5. CorruptorFraudulent Practices

- a. It is expected that the applicants who wish to license the IPs 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.

6. Confidentiality

The applicant / or their personnel shall not, either during the term or after expiration of licensing 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 the 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.

7. Interpretationof theClausesintheEoIDocument

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 Delhi shall be final and binding on all parties.

7 ANNEXURE I

FORMATS FOR SUBMISSION (FORMAT- 1)

To
The Executive Director
C-DAC, Delhi
New Delhi – 110025

Subject: Submission of EoI for Transfer of Technology of Vivan-BCI

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 a sealed envelope and soft copy through mail:

1. Application Form (Format-2)
2. Experience in related fields (Format -3)
3. Financial strength of the organization (Format-4)
4. Declaration (Format-5)

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 letterhead 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 firm/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	
	IP Licensing	
10	Interested IPs	Algorithm Source code
11	Preferred Mode of Licensing-MPW	1) Upfront Fee (one time)
12	Preferred Mode of Licensing-Production	1) Upfront Fee (one time) 2) Royalty 3) Upfront Fee + Royalty
13	Expression of Interest: Spell out the extent of interest	

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 OF THE ORGANIZATION (FORMAT- 3)

ORGANIZATION EXPERIENCE

Experience in implementation of solutions in the area of electronics products especially, FPGA/ CPLD/ ASIC technologies				
Sl. No.	Items	Vertical/Area of Work	Number of assignments during last five (05) years	Order Value of each assignment in Lakhs of INR (enclose copy of each order)
1.	Experience of assignments in relevant areas mentioned above			
2.	Experience in carrying out assignments in relevant areas mentioned above in Government/ public sector			

Signature of the Applicant/ Authorized Signatory

(Full name of the Applicant/ Authorized Signatory) Stamp &

Date

FINANCIAL STRENGTH OF THE ORGANIZATION (FORMAT-4)

FINANCIAL STRENGTH OF THE ORGANIZATION

Sl. No.	Financial Year	Annual net profit	Overall annual turnover
1.			
2.			
3.			
<i>Note: Please enclose the 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 – 5)

DECLARATION

We hereby confirm that we are interested in '*Transfer of Technology of Vivan-BCI*' 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.

