



Centre for Development of Advanced Computing

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

Innovation Park, Panchavati, Pashan Road, Pune - 411008

Tel: +91-20-25503671-76 / 25868086,

www.cdac.in

Tender No: CDACP/ICAR-HPC-AMC/22-23/347.

C-DAC invites ONLINE bids for Carrying out Comprehensive Annual Maintenance Contract for HPC hardware and software at IASRI-ICAR.

Prospective Bidders may download the Tender Document from www.cdac.in / <https://eprocure.gov.in/eprocure/app>. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission' and submit duly filled bids online on the website <https://eprocure.gov.in/eprocure/app> as per the schedule given in the Tender Document.



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TENDER SCHEDULE

Tender No: CDACP/ICAR-HPC-AMC/22-23/347

Name of the Institute	Centre for Development of Advanced Computing, Pune 411008.
Place of Maintenance and Support for CAMC	ICAR-Indian Agricultural Statistics Research Institute (IASRI), Library Avenue, NEW DELHI – 110012
Date of Release of Tender	June 29, 2022
Last date of submission of bids	July 14, 2022, 1500 Hrs
Date of opening of Technical bids	July 15, 2022, 1500 Hrs
Place of opening of technical bids	C-DAC, Pune 411008.

1. Instructions for Online Bid Submission

The bidders are required to submit soft copies of their bids electronically through the portal (www.eprocure.gov.in) using valid Digital Signature Certificates (DSC). The instructions given below are meant to assist the bidders in registering on the CPP Portal, preparing their bids following the requirements and submitting their bids online on the CPP Portal. More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

2. Assistance to Bidders:

Any query relating to the process of online bid submission or queries relating to the CPP Portal, in general, may be directed to the 24*7 CPP Portal Helpdesk on- 0120-4200 462, 0120-4001 002, 0120-4001 005, 0120-6277 787,

- e-mail for Technical - support-eproc@nic.in.

3. In case of any doubts, and/ or queries about the technical solution, specifications terms and conditions of the tender, the prospective bidder may send their queries in writing through e-mail (mmg@cdac.in). The queries, requests for clarifications etc. must be sent within 7 days from the date of publication of the Tender. The bidders are requested to go through the entire tender document thoroughly, before raising any query. C-DAC, Pune shall address the queries raised by the bidders. The replies to queries would be made available on the portal in due course of time. All the queries, doubts, clarifications etc. must be submitted in xls format only as below.

Name of the bidder:				
Sl.No.	Section / Page No	Clause Reference	Query from bidder	C-DAC Response



SECTION I: INVITATION FOR BIDS (IFB)

1. **CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING (C-DAC)** - is a scientific society under the administrative control of Ministry of Electronics & Information Technology, Government of India. The ICAR-Indian Agricultural Statistics Research Institute (IASRI), New Delhi has awarded a project of implementing an Operational Management and Maintenance of HPC hardware and software setup at Delhi site. As a part of which, C-DAC invites 'ONLINE' bids from eligible bidders for Carrying out Comprehensive Annual Maintenance Contract for HPC hardware and software at IASRI-ICAR, as per schedule of requirements, terms and conditions stipulated in this document.

2. **CONTACT INFORMATION:**

Material Management Group
Centre for Development of Advanced Computing (C-DAC)
Innovation Park, PANCHAVATI, Pashan Road,
Pune 411008, Maharashtra, INDIA

Tel No.: +91-20-25503671-76/25868086
E-mail: mmg@cdac.in

3. **TWO BID SYSTEM – ONLINE SUBMISSION THROUGH**

<https://www.eprocure.gov.in/eprocure/app>:

The two-ebid system will be followed for this tender. In this system, Bidder must submit their offer - online in separate e-packets as explained below:

1. **Online – e-Packet No. 1: "Technical eBid" shall contain: (PDF format only)**

- a. Covering letter, as per **Annexure – A**.
- b. Authority letter, as per **Annexure – B**.
- c. Scanned copy of Demand Draft towards tender fee of Rs. 2000/- (Rupees One Thousand Only) drawn in favour of C-DAC payable at Pune. (The DD must reach physically at the place of Opening of the Tender on or before the Due Date & Time of the Tender)
- d. Scanned copy of Demand draft/Bank Guarantee towards Earnest Money Deposit of Rs. 4,00,000/- (Rupees Four Lakh only) drawn in favour of C-DAC payable at Pune. (The Demand Draft/bank Guarantee must reach physically at the place of Opening of the Tender on or before the Due Date & Time of the Tender Submission). **Alternately**, the bidder may choose to submit a bid security declaration, as given in **Annexure -C**, Subject to the conditions stipulated therein.
- e. A copy of Certificate of Incorporation, Partnership Deed / Memorandum and Articles of Association / any other equivalent document showing date and place of incorporation, as applicable.
- f. Copies of PAN and GST registration certificates.
- g. Duly filled Technical Bid with proper seal and signature of the authorised person (with name, designation, email id & contact no.).



- h. The Bidder should have completed at least two HPC cluster AMC work order of minimum 100 TF along with qualified manpower deputed at site for maintaining HPC hardware and software. at any of PSUs/ Banks / any organization in the Private organization in the last five years. (work experience certificate to be submitted)
- i. Bidder Need to submit MAF from OEM and Independent Software Vendor (ISV) for Storage, IB Switch, PBS Pro, etc.
- j. Undertaking from the Bidder to the effect that a Security Deposit of 5% of the order value will be submitted in case C-DAC decides to place the AMC, O&M Order. (Annexure – A)
- k. A photo copy of the commercial bid without prices **(prices blocked) for all four PARTs (I-IV)** and copy of commercial terms & conditions (in details) as included in the commercial bid. C-DAC reserves the right to reject the bid in case of discrepancy observed in the un-priced commercial bid and the actual commercial bid.
- l. Documents related to eligibility criteria need to be submitted.

Note: C-DAC reserves the right to reject the bid if any of the above listed document/s is not submitted.

2. Online – e-Packet 2: “Commercial e-Bid “ shall contain: (BOQ - .xls format only)

The Commercial Bid along with detailed & complete in all respects (Kindly consider all four tabs in the BOQ .xls format/file. Incomplete offer will be rejected.

4. BOTH THE TECHNICAL BID AND COMMERCIAL BID SHOULD BE ADDRESSED TO:

Materials Management Group (MMG)
Centre for Development of Advanced Computing (C-DAC)
Innovation Park, PANCHAVATI, Pashan Road,
Pune 411008, INDIA

5. LAST DATE OF SUBMISSION/ UPLOADING:

The online bids, complete in all respect should be uploaded through www.eprocure.gov.in/eprocure/app latest by the date given in tender schedule.

6. OPENING OF TECHNICAL E-BIDS:

The Technical e-bids will be opened on the date given in tender schedule, through www.eprocure.gov.in/eprocure/app portal.

The bids must be submitted on-line. The Tender Fees & EMD/BG etc. must be submitted in person or through post/ courier (C-DAC shall not be responsible for any postal delays or any other reason for not submitting the tender fees/ EMD etc. in the specified time and resulting in disqualification / rejection of any bid) so as to reach on or before the due date and time.

In case bidder requires any clarifications / information, they may contact C-DAC address given in Clause 2 of Section I.



Note: Please do not put "Commercial Bid" (prices quoted) in the technical bid envelope. If the price quoted is submitted / leaked with technical bid, the tender will be rejected at the sole discretion of C-DAC.

7. OPENING OF COMMERCIAL EBIDS – ONLINE THROUGH -www.eprocure.gov.in/eprocure/app:

Commercial ebids of the qualified bidders will be opened, at the time place and date to be informed later. The Bidder's name, bid prices and other appropriate details will be displayed at the time of the opening of the commercial bids.

(END OF SECTION I)



SECTION II: INSTRUCTIONS TO BIDDERS (ITB)

1. Locations for the Support, O&M Services:

ICAR-Indian Agricultural Statistics Research Institute
(IASRI), New Delhi 110012

CAMC Support Period:

The Comprehensive AMC of all PARTS (I to IV) & the items covered in the Schedule of Requirements (Section–IV) must be provided for a period of initially 24 months from the date of placement of order. C-DAC reserves the rights to extend the CAMC Support for further one year, on the same terms and conditions, based on the technical operations carried out successfully, during the initial period of two years.

2. Order Placements:

Centre for Development of Advanced Computing (C-DAC)
Innovation Park, Panchavati, Pashan Road,
Pune 411008, Maharashtra, INDIA.

3. Eligibility Criteria:

- 3.1. Bidder should have minimum annual sales turnover of 3 Cr. for each of last three financial years
- 3.2. The Bidder must quote for all the items in all Parts I to IV as given in Schedule of Requirements –Section IV of this document.
- 3.3. The Bidder must not be blacklisted by C-DAC or any other Educational / R&D / Govt. Organizations as on date of submission of the bids. A certificate or undertaking to this effect must be submitted (**Annexure – A**).
- 3.4. The bidders should upload the required documents as stipulated in para 4, Section – I.
- 3.5. The Bidder should have completed at least two 'HPC cluster' AMC work order of minimum 100 TF at site for maintaining HPC hardware and software; at any of PSUs/ Banks / any organization in the Private organization in the last five years. (work experience certificate to be submitted)
- 3.6. Bidder Need to submit MAF from OEMs and ISV for Storage, IB Switch, PBS Pro etc.
- 3.7. Work Experience certificate to be submitted.

Note: If in the view of Bidder, any exemption/relaxation are applicable to them from any of the eligibility requirements, under any Rules / process/ Guidelines/ Directives of Government of India, Bidder may submit their claim for the applicable exemption /relaxation, quoting the valid Rule/ process/ Guidelines/ Directives. In this case, the Bidder must submit necessary and sufficient documents along with the technical bid to support his claim. The decision about granting the exemption/ relaxation will be taken by the bid evaluation committee which is empowered to grant exemption/relaxation. The relevant and valid certificates in support of claim of exemption must be submitted.

The bidders should provide sufficient documentary evidence to support the eligibility criteria. C-DAC reserves the right to reject any bid not fulfilling the eligibility criteria.



4. Amendment to Bidding Documents

- 4.1. At any time before the deadline for submission of bids, C-DAC may modify the bid document for any reason, whether on its own initiative or in response to the clarification request by a prospective bidder.
- 4.2. The amendments to the tender documents, if any, will be notified by release of Corrigendum Notice on www.eprocure.gov.in/eprocure/app/ / www.cdac.in/tender against this tender. The amendments/ modifications will be binding on the bidders.
- 4.3. C-DAC at its discretion, may extend the deadline for the submission of bids if it thinks it necessary to do so or if the bid document changes during the bidding period to give prospective bidders time to consider the amendments while preparing their bids.

5. Preparation of Bids

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

6. Earnest Money Deposit (EMD)

- 6.1. The Earnest Money Deposit (EMD) must be submitted prior to the DUE DATE & TIME of submission of the online technical bid. The EMD is required to be in the form of Demand Draft/Bank Guarantee in favour of C-DAC payable at Pune, India, for an amount of Rs. 400,000/- (Four Lakh Only). **Alternately**, the bidder may choose to submit a bid security declaration, as given in **Annexure -C**, Subject to the conditions stipulated therein.
- 6.2. The EMD/BG will be returned to the Bidder (s) whose offer is not accepted, within 30 days from the date of opening of commercial bid(s). In case of the Bidder whose offer is accepted, the EMD will be returned on submission of Security Deposit (Refer Clause 5 of Section III). However if the return of EMD is delayed for any reason, no interest/ penalty shall be payable to the Bidder.
- 6.3. The successful Bidder, on award of contract / order, must send the contract/ order acceptance in writing, within 10 days of award of contract/ order, failing which the EMD will be forfeited and the order will be cancelled.
- 6.4. The EMD may be forfeited / legal actions may be taken as per the clauses in Annexure C:
 - If the Bidder withdraws the bid during the period of bid validity specified in the tender.
 - In case a successful bidder, fails to furnish the Security Deposit (Refer Clause 3 of Section III).
 - If the Bidder fails to furnish the acceptance in writing, within 10 days of award of contract/ order.

7. Period of validity of bids



7.1. Bids shall be valid for minimum 120 days from the date of submission. A bid valid for a shorter period shall stand rejected.

7.2. C-DAC may ask for the Bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. The Bidder is free not to accept such request without forfeiting the EMD/BG. A bidder agreeing to the request for extension will not be permitted to modify his bid.

- **Submission of Bids- Online PDF format only.**

The Bid documents shall be neatly arranged. They should not contain any terms and conditions, printed or otherwise, which are not applicable to the Bid. **The conditional bid will be summarily rejected.** Insertions, postscripts, additions and alterations shall not be recognized, unless confirmed by Bidder's signature.

8. Deadline for Submission of Bids – Online Only.

8.1. Bids must be received by C-DAC before the due date and time at the address specified in the tender document.

8.2. C-DAC will not be responsible for any issues arising/pertaining with the eprocure.gov.in/eprocure/app portal for non-submission, failure in submission of ebids online.

8.3. C-DAC may extend this deadline for submission of bids by amending the bid documents and the same shall be suitably notified on the CPPPortal / www.cdac.in.

9. Late Bids

C-DAC shall not be responsible and liable for the delay in receiving the bid for whatsoever reason.

10. Bid Opening & Evaluation of Bids

10.1. The technical bids will be evaluated in two steps.

10.2. The bids will be examined based on eligibility criteria stipulated at Para 4 of Section – II to shortlist the eligible bidders.

10.3. The technical bids of only the short listed eligible bidders shall be evaluated based on technical specifications stipulated at Section–IV.

10.4. The bidders whose technical bid is found to meet both the requirements as specified above will qualify for opening of the commercial bid and will be informed about the date and time of the opening of the commercial bid.

10.5. The duly constituted Tender Evaluation Committee (TEC) shall evaluate the bids. The TEC shall be empowered to take appropriate decisions on minor deviations, if any. The decisions of TEC shall be binding on all the bidders.

10.6. The Bidder's name, bid prices and such other details considered as appropriate by C-DAC, will be displayed at the time of opening of the commercial bids.

11. Comparison of Bids

11.1. Only the short-listed bids from the technical evaluation shall be considered for commercial comparison.



- 11.2. The prices quoted for all the items as per Annexure–VI: Price Bid, for Part-I-IV respectively, (including taxes) will be taken together for calculating L-1 bidder(s), evaluation and comparison.
- 11.3. Separate orders and separate L1 will be computed for PART I, PART II ,PART III and PART IV respectively.

12. Award of Contract

- 12.1. C-DAC shall award the contract to the eligible Bidder whose technical bid has been accepted and determined as the lowest evaluated commercial bid based on the Part (I-IV) respectively, along with taxes of the Commercial Bids. However, C-DAC reserves the right and has sole discretion to reject the lowest evaluated bid.
- 12.2. C-DAC reserves the right to drop any of the Parts (Part-I to IV), for processing further and not awarding the contract for such part(s) - without assigning any reasons.
- 12.3. If more than one Bidder happens to quote the same lowest price, C-DAC reserves the right to decide the criteria and further process for awarding the contract, decision of C-DAC shall be final for awarding the contract.

13. End User Certificate (if applicable):

C-DAC can provide end user certificate in advance in order to save on time/ delivery period. However, this does not mean that the order shall be placed on the same Bidder. The Bidder may submit the format of end user certificate at the earliest, preferably along with the technical bid.

14. Purchaser's Right to amend / cancel

- 14.1. C-DAC reserves the right to amend the eligibility criteria, commercial terms & conditions, Scope of Supply, technical specifications etc.
- 14.2. C-DAC reserves the right to cancel the entire tender without assigning any reasons thereof.

15. Corrupt or Fraudulent Practices

- 15.1. It is expected that the bidders who wish to bid for this project have highest standards of ethics.
- 15.2. C-DAC will reject bid if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract;
- 15.3. C-DAC may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the award / execution of contract.

16. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity/ dispute in the interpretation of any of the clauses in this Tender Document, the interpretation of the clauses by Director General, C-DAC shall be final and binding on all parties.

(END OF SECTION II)



SECTION III: SPECIAL CONDITIONS OF CONTRACT (SCC)

1. Prices

- 1.1. The price quoted shall be considered firm and no price escalation will be permitted (except Govt. Statutory Levies).
- 1.2. Bidder must quote the prices on F.O.R. at Site basis
- 1.3. Bidder must indicate applicable GST separately. The Bidder should exercise utmost care to quote the correct percentage of applicable GST on each item
- 1.4. In case due to any error/ oversight, the GST rate quoted by the Bidder is different than the actual GST rate as per the tariff, the Bidder will not be permitted to rectify the error/oversight. The orders/ contract will be placed with the GST rate quoted by the Bidder or actual tariff rate (as on placement of order), whichever is LOWER. The difference amount payable, if any, between the quoted GST rate and actual tariff rate shall be borne by the Bidder
- 1.5. Notwithstanding the para 1.2 and 1.3 mentioned above, if the GST is not quoted separately and the bid is silent whether GST is included or excluded in price, then for the purpose of evaluation of bids, the prices shall be taken as including GST. In this case, the GST applicable, if any will be borne by the bidder/contractor
- 1.6. Bidder must quote in INR only.
- 1.7. The exact rate of taxes, charges currently applicable (as per Tariffs) must be mentioned in the 'commercial bid format'. The statutory taxes and duties applicable at the time of supply of material shall be applicable.

2. Software Licenses: (if applicable)

The software licenses, if any, shall be required in the name of user- wherever applicable.

3. Security Deposit (SD):

The successful Bidder will be required to furnish the Security Deposit in INR equivalent to 5% of the order value within 10 days of receipt of Supply Order. The Security Deposit should be submitted in the form of Demand Draft/Bank Guarantee drawn in favour of C-DAC payable at Pune. The Security Deposit will be returned upon completion of CAMC period, successfully at site.

4. Completeness Responsibility:

Notwithstanding the scope of work, engineering, supply and services stated in bid document, any equipment or material, engineering or technical services which might not be even specifically mentioned under the scope of supply of the Bidder and which are not expressly excluded there from but which – in view of the Bidder - are necessary for the performance of the equipment in accordance with the specifications are treated to be included in the bid and has to be performed by Bidder.

5. Warranty:

C-DAC reserves the right to invoke the Security Deposit/Bank Guarantee submitted by Bidder, in case of the following:



- a. The Bidder fails to provide the warranty/AMC and other services in scheduled time frame, as stipulated in this document or
- b. The bidder delays to provide the warranty / AMC services as stipulated in this document.

6. Payments:

Post Quarterly – towards comprehensive annual maintenance contract (AMC) Quarterly payments shall be made after completion of each quarter along with installation/service report from the customer.

7. Bill to:

HPC-Tech Group,
Centre for Development of Advanced Computing (C-DAC)
Innovation Park, PANCHAVATI, Pashan Road, PUNE 411008
Maharashtra, INDIA

Comprehensive Annual Maintenance Contract (C-AMC) at :

ICAR-IASRI, NEW DELHI 110012.

8. Penalty for delayed Delivery /Services (as mentioned in Sec-V)

9. Jurisdiction:

The disputes, legal matters, court matters, if any shall be subject to Pune jurisdiction only.

10. Force Majeure:

C-DAC may consider relaxing the penalty and delivery requirements, as specified in this document, if and to the extent that, the delay in performance or other failure to perform its obligations under the contract is the result of an Force Majeure. Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.), acts of states / state agencies, the direct and indirect consequences of wars (declared or undeclared), hostilities, national emergencies, civil commotion and strikes at successful Bidder's premises or any other act beyond control of the Bidder.

11. Arbitration:

In case any dispute arises between the C-DAC and successful Bidder with respect to this RFP, including its interpretation, implementation or alleged material breach of any of its provisions both the Parties hereto shall endeavour to settle such dispute amicably. If the Parties fail to bring about an amicable settlement within a period of 30 (thirty) days, dispute shall be referred to the sole arbitrator mutually appointed by both parties. If the sole arbitrator is not appointed mutually by both the parties then the District Court Pune shall have exclusive jurisdiction for appointment of sole arbitrator through court. Arbitration proceedings shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and Rules made there under, or any legislative amendment or modification made thereto. The venue of the arbitration shall be Pune. The award given by the arbitrator shall be final and binding on the Parties. The language of arbitration shall be English. The common cost of the arbitration proceedings shall initially be borne equally by the Parties and finally by the Party against whom the award is passed. Any other costs or expenses incurred by a Party in relation to the arbitration proceedings shall ultimately be



borne by the Party as the arbitrator may decide. Courts in Pune only shall have the exclusive jurisdiction to try, entertain and decide the matters which are not covered under the Arbitration and conciliation Act.

12. Risk and Ownership:

All risk, responsibility; liabilities thereof in all goods, services, manpower etc. shall remain with selected Bidder till the CAMC period is satisfactorily completed at end user site. Part deliveries/services shall not be treated as complete deliveries/service required.

13. Limitation of Liability:

The liability of the Bidder / Contractor arising out of breach of any terms/conditions of the tender / contract/work order and addendums/amendments thereto, misconduct, wilful default will be limited to the total contract value. However, liability of the Bidder in case of death/injury/damage caused to the personnel/property due to/arising out of/incidental to any act/omission/default/deficiency of bidder/contractor, will be at actuals.

In no event shall either Party, its officers, directors, or employees be liable for any form of incidental, consequential, indirect, special or punitive damages of any kind.

14. Termination:

Validity of order/AMC will remain till fulfilment of all obligations till completion of two years from acceptance of HPC Cluster/IT components etc. by the successful Bidder. In case of the delays in providing the stipulated services, and /or defect/delay/under or non- Performance pertaining to the services / products supplied by the Bidder, C-DAC will give written notice to the Bidder directing to set the things right within 30 days of notice. If Bidder fails to comply with the requirements, C-DAC shall have the right to terminate the contract and / or cancel the order/s. The successful Bidder agrees and accepts that he shall be liable to pay damages claimed by C-DAC, in the event of termination of contract / cancellation of order, as detailed in this RFP. The successful Bidder may terminate the contract by at least 30 days' written notice, only in the event of non-payment of undisputed invoices for 90 days from the due date. Except this situation, the successful Bidder shall have no right of termination. C-DAC reserves the right to terminate the contract / cancel order with or without cause/ reason, by giving 90 days' notice to the successful Bidder.

C-DAC will release the due amount payable to successful Bidder towards the material and / or services provided till the date of termination, those are accepted by C-DAC/ end user. However, the amount towards penalty, if any will be deducted from the payable amounts. (C-DAC reserves the right to terminate the contract without assigning any reason)

15. Indemnity:

The successful Bidder shall indemnify, protect and save C-DAC and host institutions from/against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from/arising out of :

- a. infringement of any law pertaining to intellectual property, patent, trademarks, copyrights etc. by the Bidder or
- b. such other statutory infringements in respect of all the equipments supplied by successful Bidder, or



- c. caused due to any act/omission/performance/under or non or part performance/failure of the Bidder..

16. Assignment:

Selected bidder/ Party shall not assign, delegate or otherwise deal with any of its rights or obligation under this Contract without prior written permission of C-DAC.

17. Severability:

If any provision of this Contract is determined to be invalid or unenforceable, it will be deemed to be modified to the minimum extent necessary to be valid and enforceable. If it cannot be so modified, it will be deleted and the deletion will not affect the validity or enforceability of any other provision.

(END OF SECTION III)



SECTION – IV: SCHEDULE OF REQUIREMENTS

IT Infrastructure: includes all type of Hardware, software, licenses, subscriptions, tools, etc. along with their respective accessories to be considered under CAMC – For two years.

A. HARDWARE: BIDDER SHALL PROVIDE CAMC SERVICES FOR THE ITEMS LISTED BELOW

PART I: HPC Cluster, storage, interconnect components etc.

Sr. No.	Equipment Name	Brief description of Component	Make & Model No.	Configuration	Serial No	Quantity (In Nos.)
	Servers and Compute Nodes					
A1	Master Node	HN01-02	Super Micro 1029P-WTR	2*Intel(R) Xeon(R) Gold 6148 CPU @ 2.40GHz, 384GB RAM, 6*600GB 10K RPM 12 Gbps HDDs.	1x20401903 1x20411903	02
A2	Login Node	Login01-02	Super Micro 1029P-WTR	2*Intel(R) Xeon(R) Gold 6148 CPU @ 2.40GHz, 384GB RAM, 6*600GB 10K RPM 12 Gbps HDDs.	1X20501903 1x20511903	02
A3	Compute Node	CN01-30	8X Super Micro 2029TP-HTR	2*Intel(R) Xeon(R) Gold 6148 CPU @ 2.40GHz, 384GB RAM, 480GB DC Grade SATA SSDs, 1 DWPD .	2x10421903 2x20441903 2x20451903 2x20461903 2x20471903 2x20481903 2x20491903 A265558X9110802 A265558X9110803 A265558X9110804 A265558X9110805	30



					A263707X8803075	
A4	KVM Console		Super Micro CL1000M 17" Aten	CL100M with 17' Aten Monitor, Keyboard and Mouse	Z8H7-038-0013	01
	IT Cabling					
A5	IB Cable	QSFP InfiniBand Cabling HDR	QSFP HDR Cabling	Connectivity between all Compute nodes and Storage Gateways for high speed data transfer (100Gbps) with QSFP HDR InfiniBand (IB) Cable.		25 Nos.
	Storage					
A6	PFS Storage		DDN EXAScaler (SFA-7990+SS-9012 Jbod) (750TB)	1* ES7990-EDR (EXAScaler 7990 EDR appliance with 90 Drive Slots, 4*EDR IB/100GbE Ports) 1*SS9012-SBOD (SS9012 90-slot 12Gb/s SAS/SATA HDD/SSD enclose. Includes 2*I/O modules), 133*8TB 7.2K RPM NL-SAS 4Kn HDDs,		01



			5*1.2TB 10K RPM SAS 12 Gbps HDDs		
	Network Switch				
A7	Interconnect Switch	Mellanox MQM8700-HS2F (HDR Infiniband Switch, 40 QSFP28 Ports)	1* MQM8700-HS2F (HDR Infiniband Switch, 40 QSFP28 Ports, Managed)		01
A8	Network Switch 1G	SuperMicro Super Switch SSE-G364BR-48 Ports	Managed 48 x 1Gbps Ethernet, 4 x 10 Gbps Ethernet SFP+ ports.	SSG36BR08600013	01
A9	IPMI Switch	SuperMicro Ethernet Switch-SSE-G2252-48 Ports	48 x 1Gbps Ethernet Ports	SSG522N08A02482	01

B. SOFTWARE AND TOOLS: BIDDER TO PROVIDE CAMC SERVICES FOR THE ITEMS LISTED BELOW
(All the required licenses should be on renewal basis)

PART II: HPC Software Tools:

Sr. No.	Equipment Name	Brief description of Software		Quantity (In Nos.)
B1	Clustering Software Suite	Intel Clustering Software Suite- Intel® Parallel Studio XE Cluster Edition for Linux Floating AR, Latest version Intel oneAPI -2yrs	Intel Parallel Studio XE (Cluster Edition, Linux, 5 Seat floating, 2 years)	38 Nodes

PART III: Workload Management Software Tools

Sr. No.	Equipment Name	Brief description of Software		Quantity (In Nos.)
B2	PBS Pro	Workload Management Software (PBS-Pro) - Altair PBS Pro 2 Yrs	Altair PBS Professional + PBS Work Compute Manager etc.	36 Nos



PART IV: RHEL Software

Sr. No.	Name	Brief description of Software		Quantity (In Nos.)
	RHEL Software			
B3	RHEL	*REDHAT RHEL Ent. Svr HPC Node Standard - 2yr*2Nos.	2* RHEL @7 Server for HPC Single System, Std. for Login Nodes	34Nos.
B4	RHEL	*REDHAT RHEL Server for HPC, Single System, Std-2yrs*2 Nos.	2*RHEL @7 for HPC Head Node	
B5	RHEL	*REDHAT RHEL Ent. SVR HPC Compute Nodes-2yrs*30 Nos.	30* RHEL@7 for HPC compute Node	

(END OF SECTION IV)



SECTION V: SLA

Service Level Agreement (SLA): Performance Requirements of the System

The purpose of this Service Level Agreement (hereinafter referred to as SLA) is to clearly define the levels of service which shall be provided by the bidder to ICAR-IASRI.

Sl. No.	Item	Details
1.	Uptime and penalty	The bidder should give uptime guarantee of 95% on quarterly basis and Calculation of uptime/downtime will be as under • Number of total server days per year = No. of servers * 365 • Number of server days for preventive maintenance = No. of servers * No. of days for preventive maintenance • No. of downtime server days per year = No. of servers not functioning * no. of days of downtime - Number of server days for preventive maintenance • % server downtime days per year = (No. of downtime server days per year / (No. of total server days per year - Number of server days for preventive maintenance)) * 100 • Penalty of total AMC cost of the year for ICAR-IASRI site = (% server downtime days per year – 5.0%) * total AMC cost 1. No. of days for preventive maintenance will be maximum 20 days in a year. 2. The penalty will be calculated by keeping in view the downtime of the ICAR-IASRI. 3. Bidder may put additional HPC hardware to maintain the required uptime of the system.
		Definition of uptime 1. Uptime is defined as “Running hours of a server”. 2. If system is operational with 95% Computing Nodes, the system is said to be functional 3. If the user is unable to access the clusters and its resources due to non-functioning of Head Nodes, login Nodes servers, Infiniband switches and core switches, the system is said to be non-functional. 4. If any of the storage servers is not functional and availability of storage space to user and / or to user’s programs is affected, the system is said to be non-functional 5. If any of the software problems related to non-IT prevents the functionality of the data centre’s eco-system, then the system is said to be non-functional. For any reasons other than mentioned above if the system is not working it is considered to be non-functional.



2.	Maintenance of the system	• All the spare parts should be repaired /replaced. • In case, spare parts of the same part number is not available then it should be replaced with same technical and functional capability with the prior approval of the C-DAC/ICAR-IASRI.
3.	Product support availability	If product support for any existing system or sub system is either not provided by the respective OEM during the AMC period or the support is not cost effective, then bidder must replace the existence system or sub system with same or above technical and functional performance with the prior approval of the C-DAC/ICAR-IASRI.
4.	Support for New System	The Bidder shall provide all support and assistance required by the vendor to facilitate the installation and maintenance of the new system, if any.
5.	Manpower	The bidder shall provide technical personnel who are skilled and experienced in their respective callings and supervisory staff who are competent to adequately supervise the work at hand.
6.	Takeover of the existing System	The bidder is responsible to take over the existing operation and maintenance of the system from ICAR-IASRI by ensuring the performance of the system as it was during the operational acceptance.
7.	Warranty/ AMC	Two years comprehensive onsite AMC 24*7 should cover all items of hardware of IT and software and its updates, licenses and support The bidder will also upgrade firmware, updates and patches of the system.

The scope of work includes Operations, Maintenance, Management Support and Service of HPC hardware and software at Pusa Campus New Delhi .

All the devices as per **the list** provided in this tender as part of the physical Infrastructure (IT) & related components shall be operated, monitored, maintained and managed. Successful bidders shall be required to undertake end to end services.

The successful bidder shall provide the Comprehensive AMC along with patches and updates of all the software covered under AMC at IASRI at Pusa campus New Delhi to enable smooth and uninterrupted operations of ICAR-IASRI at New Delhi for a period of **2 Years**.

(END OF SECTION V)

SECTION VI: PRICE BID FORMAT

HARDWARE: BIDDER SHALL PROVIDE AMC SERVICES FOR THE ITEMS LISTED BELOW

PART I: HPC Cluster, storage, interconnect components etc (TAB-1:BoQ1)

BOQ

Validate

Print

Help

Tender Inviting Authority: CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING, Innovation Park, Panchavati, Pashan, PUNE 411008. (020-25503671-76).

Name of Work: Carrying out Comprehensive Annual Maintenance for HPC Cluster, storage, interconnect, software tools etc. at IASRI-New Delhi. (PART-I to PART-IV)

Tender No: CDACP/ICAR-HPC-AMC/22-23/347 (PART-I) Please go through all four tabs

Name of the Bidder / Bidding Firm / Company :								
PRICE SCHEDULE (DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY) (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)								
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	GST % in INR Rs. P	TOTAL AMOUNT Without Taxes Rs. P	TOTAL AMOUNT With Taxes Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7	8	9
1	AMC On comprehensive basis with support (FOR PART-I) HPC, HARDWARE) at IASRI, New Delhi.							
1.01	Master Nodes - 2 Nos. (2 nodes * per year charges to be considered while offering the rate)	2	Years			0.00	0.00	INR Zero Only
1.02	Login Nodes - 2 Nos. (2 nodes * per year charges to be considered while offering the rate)	2	Years			0.00	0.00	INR Zero Only

1.03	Compute Nodes - 30 Nos. (30 nodes * per year charges to be considered while offering the rate)	2	Year s			0.00	0.00	INR Zero Only
1.04	KVM Console - 1 No. (1 no * per year charges to be considered while offering the rate)	2	Year s			0.00	0.00	INR Zero Only
1.05	IB Cables - 25 Nos. (25 nos * per year charges to be considered while offering the rate)	2	Year s			0.00	0.00	INR Zero Only
1.06	PFS Storage 750TB - 1 Set. (1 Set * per year charges to be considered while offering the rate)	2	Year s			0.00	0.00	INR Zero Only
1.07	Pri.Comm Switch - 1 set. (1 set * per year charges to be considered while offering the rate)	2	Year s			0.00	0.00	INR Zero Only
1.08	Sec. Comm Switch - 1 set. (1 set * per year charges to be considered while offering the rate)	2	Year s			0.00	0.00	INR Zero Only
1.09	IPMI Comm Switch - 1 set. (1 set * per year charges to be considered while offering the rate)	2	Year s			0.00	0.00	INR Zero Only
2	Other Service charges to complete the CAMC, (1 Lot per year to be considered), if any	2	years			0.00	0.00	INR Zero Only
3	Any othe Components etc. (1 Lot per year to be considerd), if required/if applicable.	2	Year s			0.00	0.00	INR Zero Only
Total in Figures						0.00	0.00	INR Zero Only
Quoted Rate in Words								

B: PART II: HPC Software: (TAB-2:BoQ2)

Item Wise BoQ

15

Tender Inviting Authority: CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING, Innovation Park, Panchavati, Pashan, PUNE 411008. (020-25503671-76). Name of Work: Carrying out Comprehensive Annual Maintenance for HPC Cluster, storage, interconnect, software tools etc. at IASRI-New Delhi.

Tender No: CDACP/ICAR-HPC-AMC/22-23/347 (**PART-II**) Please go through all four tabs

Name of the Bidder/ Bidding Firm / Compan	
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y :								
PRICE SCHEDULE (DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY) (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)								
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	GST % in INR Rs. P	TOTAL AMOUNT Without Taxes Rs. P	TOTAL AMOUNT With Taxes Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7	8	9
1	AMC On comprehensive basis with support (FOR PART-II)at IASRI, New Delhi.							
1.01	Clustering Software Suite-Intel Parallel Studio XE Cluster Editionfor Linux, 5 seat Floating, AR, Latest version Intel oneAPI - 2 yrs.) for 38 Nodes	1	Job			0.00	0.00	INR Zero Only
2	Any othe charges/Components etc. (if required / applicable).	1	Lot			0.00	0.00	INR Zero Only
Total in Figures						0.00	0.00	INR Zero Only
Quoted Rate in Words								

PART III: Workload Management Software Tool: (TAB-3:BoQ3)

Item Wise BoQ

15

Tender Inviting Authority: CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING, Innovation Park, Panchavati, Pashan, PUNE 411008. (020-25503671-76). Name of Work: Carrying out Comprehensive Annual Maintenance for HPC Cluster, storage, interconnect, software tools etc. at IASRI-New Delhi.

Tender No: CDACP/ICAR-HPC-AMC/22-23/347 (**PART-III**) Please go through all four tabs

Name of the Bidder/ Bidding Firm / Company :	
PRICE SCHEDULE (DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY) (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)	

NUMBER #	T E X T #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #	T E X T #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	GST % in INR Rs. P	TOTAL AMOUNT Without Taxes Rs. P	TOTAL AMOUNT With Taxes Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7	8	9
1	AMC On comprehensive basis with support (FOR PART-III) at IASRI, New Delhi.							
1.01	Workload Management Software Altair PBS Pro + PBS Work Compute Manager etc. - 2 years - *36 nos.	1	Job			0.00	0.00	INR Zero Only
2	Any other charges/components etc. - 2 years (if required / if applicable).	1	Lot			0.00	0.00	INR Zero Only
Total in Figures						0.00	0.00	INR Zero Only
Quoted Rate in Words								

PART IV: RHEL: (TAB-4:BoQ4)

Item Wise BoQ

15

Tender Inviting Authority: CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING, Innovation Park, Panchavati, Pashan, PUNE 411008. (020-25503671-76). Name of Work: Carrying out Comprehensive Annual Maintenance for HPC Cluster, storage, interconnect, software tools etc. at IASRI-New Delhi.

Tender No: CDACP/ICAR-HPC-AMC/22-23/347 (PART-IV) Please go through all four tabs

Name of the Bidder/ Bidding Firm / Company :								
PRICE SCHEDULE (DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY) (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)								
NUMBER #	T E X T #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #	T E X T #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	GST % in INR Rs. P	TOTAL AMOUNT Without Taxes Rs. P	TOTAL AMOUNT With Taxes Rs. P	TOTAL AMOUNT In Words

1	2	3	4	5	6	7	8	9
1	AMC On comprehensive basis with support (FOR PART-IV) at IASRI, New Delhi.							
1.01	2 * Redhat RHEL @7 Server for HPC Single System, Std. forLogin Nodes - 2 years	1	Job			0.00	0.00	INR Zero Only
1.02	2 * Redhat RHEL @7 for HPC Head Node - 2 years	1	Job			0.00	0.00	INR Zero Only
1.03	30 * Redhat RHEL @7 for HPC Compute Nodes - 2 years	1	Job			0.00	0.00	INR Zero Only
2	Any other charges/components etc. - 2 years, (if required/if applicable).	1	Lot			0.00	0.00	INR Zero Only
Total in Figures						0.00	0.00	INR Zero Only
Quoted Rate in Words								

The applicable exact rates of Taxes will be added as per above columns.

In case of any mistake or error in calculations or any discrepancy in price quoted in word and figures, the LOWEST amount will be considered for comparison. If this lowest price is not acceptable to the Bidder, their bid will be rejected. In this case, C-DAC reserves the right to forfeit their EMD.

Note: Commercial bids must be offered in the format above

(END OF SECTION VI)

ANNEXURE – A: COVERING LETTER

Date:

To:

**The Executive Director,
Centre for Development of Advanced Computing (C-DAC)
Innovation Park, Panchavati, Pashan Road,
Pune - 411008 Maharashtra, INDIA**

Subject: Submission of bid for Comprehensive AMC of HPC / IT Components.

Dear Sir,

We, the undersigned, offer to carry out the Comprehensive AMC to C-DAC/ their Client, in response to your Tender No **CDACP/ICAR-HPC-AMC/22-23/347**. We are hereby submitting our proposal for same, which includes Technical bid and the Financial Bid on www.eprocure.gov.in

We hereby declare that all the information and statements made in this bid are true and we accept that any misinterpretation contained in it, may lead to our disqualification.

We undertake, if our proposal is accepted, to submit a Security Deposit of 5 % of the contract / order value, as per terms stipulated in the tender.

We hereby certify that my/ our firm has not been disqualified and / or blacklisted by any Office/ Department/ Undertaking of the State Government / Central Govt. of India, PSU/ Autonomous Body of Government of India, at the time of submission of this bid.

We agree to abide by all the terms and conditions of the tender document, including corrigenda. We would hold the terms of our bid valid for 120 days as stipulated in the tender document.

We also certify that, we are not from a country sharing land border with India as defined in order No. F /No/6/18/2019-PPD dated 23 July 2020 issued by public procurement Division, Dept. of Expenditure, Ministry of Finance, Govt. of india and the goods offered by us comply with the provisions of said order.

We understand you are not bound to accept any Proposal you receive.

The undersigned is authorized to sign this bid document. The authority letter to this effect is enclosed.

Yours sincerely,

Authorized Signatory:

Name and Title of Signatory:

e-mail:

Mobile No:

ANNEXURE – B: AUTHORITY LETTER

Date:

To:

**The Executive Director,
Centre for Development of Advanced Computing (C-DAC)
Innovation Park, Panchavati, Pashan Road,
Pune - 411008 Maharashtra, INDIA**

Subject: Authority Letter

Reference: **Tender No CDACP/ICAR-HPC-AMC/22-23/347**

Dear Sir,

We, M/s _____ (Name of the bidder) having registered office at _____ (address of the bidder) herewith submit our bid against the said tender document.

Mr./Ms. _____ (Name and designation of the signatory), whose signature is appended below, is authorized to sign and submit the bid documents on our behalf against said RFP

Specimen Signature:

The undersigned is authorised to issue such authorisation on behalf of us.

For M/s _____ (Name of the bidder)

Signature and company seal

Name

Designation

Email

Mobile No.

ANNEXURE – C: UNDERTAKING TOWARDS EMD

To:

The Director General,
Centre for Development of Advanced Computing (C-DAC)
Innovation Park, Panchavati, Pashan Road,
Pune - 411008 Maharashtra, INDIA

Subject: Undertaking as per GFR – 2017, Rule 170(iii)

Dear Sir,

We, the undersigned, offer to _____ at C-DAC, Pune/ Client site in New Delhi, in response to your Tender No. _____. We are hereby submitting our proposal for same, which includes Technical bid and the Financial Bid through CPPP. As a part of eligibility requirement stipulated in said tender document, we hereby submit a declaration instead of Earnest Money Deposit (EMD), as given below:

Our bid shall remain valid for 120 days from the date of submission and that we will not withdraw or modify our bid during the validity period,

In case, we are declared as successful bidder and an order is placed on us, we will submit the acceptance in writing within 7/10 days of placement of order on us.

In case, we are declared as successful bidder and an order is placed on us, we undertake, to submit a Security Deposit of 5% of the order value, as per terms stipulated in the tender.

In case of failure on our part to comply with any of the above said requirements, we are aware that we shall be declared as un-eligible for said tender and /or debarred/blacklisted from any future bidding process of C-DAC for a period of minimum one year.

The undersigned is authorized to sign this undertaking.

Yours sincerely,

Authorized Signatory:
Name and Title of Signatory:
e-mail:
Mobile No:

(END OF DOCUMENT)