

Centre for Development of Advanced Computing

A Scientific Society of Ministry of Electronics & Information Technology,

Government of India

Innovation Park, Panchvati, Pashan,

Pune 411 008.

Tel: +91-20-25503108

www.cdac.in

Tender No: CDAC-IP/Server+VMWare/2018/228

C-DAC invites ONLINE bids for Supply, Installation & Commissioning of Server: Compute Nodes- 2U Rack Mountable Server and VMWare Software for CDAC Pune.

Prospective Bidders may download the Tender Document from www.cdac.in / <https://eprocure.gov.in/eprocure/app>. Bidders are advised to go through the 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; along with a Tender document fee of Rs. 1,000/- (non-refundable) by Demand Draft favouring C-DAC, Pune payable at Pune.

TENDER SCHEDULE

Tender No: CDAC IP/Server+VMWare/2018/228

Name of the Institute	Centre for Development of Advanced Computing, Pune 411008.
Place of Supply, Installation & Commissioning, Support etc.	Centre For Development of Advanced Computing, Innovation Park, Panchvati, Pashan Road, PUNE.
Last Date of Submission of Bids	June 11,2018 upto 1500 Hrs
Date of Opening of Technical Bids	June 12, 2018 @ 1530 Hrs
Place of Opening of Technical Bids	C-DAC, Pune 411 008
Date of Opening of Commercial Bids	will be informed later

Instruction for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with 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>.

REGISTRATION:

- Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link 'Click here to Enrol'. Enrolment on the CPP Portal is free of charge.
- As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any further communication from the CPP Portal.
- Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India with their profile.
- Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others, which may lead to misuse.
- Bidder then logs into the site through the secured login by entering their user ID / password and the password of the DSC / eToken.

SEARCHING FOR TENDER DOCUMENTS:

- There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / E-mail in case there is any corrigendum issued to the tender document.
- The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS:

- Bidder should take into account corrigendum published if any on the tender document before submitting their bids.
- Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100dpi with black and white option.
- To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use 'My Space' area available to them to upload such documents. These documents may be directly submitted from the 'My Space' area while submitting a bid, and need not be uploaded repeatedly. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS:

- Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- Bidder has to select the payment option as 'offline' to pay the tender fee / EMD as applicable and enter details of the instrument(s).
- Financial bids to be submitted in PDF format.
- The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission,
- All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bid encryption technology. Data storage encryption of sensitive fields is done.
- The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- Upon the successful and timely submission of bids, the portal will give a successful bid submission message and a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

ASSISTANCE TO BIDDERS:

- Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the Tender.
- Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24*7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

GENERAL INSTRUCTIONS TO THE BIDDERS:

- The tenders will be received online through portal <https://eprocure.gov.in/eprocure/app>. In the Technical Bids, the bidders are required to upload all the documents in .pdf format.
- Possession of Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/ e-Token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link 'Information about DSC'.

Tenderers are advised to follow the instructions provided in the 'Instructions to the Tenderers for the e-Submission of the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>.

SECTION I: INVITATION FOR BIDS (IFB)

1. **Centre for Development of Advanced Computing (C-DAC)** - is a scientific society of Department of Electronics and Information Technology (DeitY) under the administrative control of Ministry of Electronics & Information Technology, Government of India. C-DAC invites 'ONLINE' bids from eligible bidders for Supply, Installation & Commissioning of Server: Compute Nodes- 2U Rack Mountable Server and VMWare Software, 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
Panchvati, Pashan, Pune 411 008.
Maharashtra, INDIA
Tel No.: +91-20-25503108
E-mail: mmg@cdac.in

3. **Two bid System – Online submission through <https://www.eprocure.gov.in/eprocure/app>**

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

4. **Online - Envelope No. 1: "Technical eBid" shall contain: (PDF format only)**

- a. Scanned copy of Demand Draft towards tender fee of Rs. 1,000/- (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)
- b. Scanned copy of Demand draft/Bank Guarantee towards Earnest Money Deposit of Rs.90,000/- (Rupees Ninety Thousand 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)
- c. The bidder registered with National Small Industries Corporation (NSIC) may claim exemption from submission of EMD. In this case, the bidder must upload copy of valid registration certificate from NSIC (valid for the products required by C-DAC).
- d. Duly filled Technical Bid with proper seal and signature of the authorised person (with name, designation, email id & contact no.) The authority letter, as per the format attached at **Annexure – D**
- 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. Copy of at least one supply order / installation report in the name of bidder or their principal manufacturer indicating that the bidder/ principal manufacturer has supplied and installed successfully in India - Hardware & Software of similar nature in Schedule of Requirement.

- g. Only the principal manufacturers or their authorised system integrators are allowed to bid for the items as mentioned in the tender document. The specific authorisation letter from Principal/s clearly indicating that the bidder is competent to sell & provide services for the items mentioned in the Scope of Supply given in this tender document. The undertaking on the letterhead of Principal Manufacturer as per format given in **Annexure – B** must be submitted.
- h. The copy of audited balance sheet or the certificate from a Chartered Accountant for the financial year 2015-2016, 2014-2015 and 2013-2014 indicating the annual sales turnover of the bidder.
- i. The detailed technical specification, make, model, part number & compliance of each item offered supported by the printed catalogue / leaflet published by the Principal Manufacturer.
- j. A photo copy of the commercial bid without prices (prices blocked) 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.
- k. Undertaking from the OEM to the effect that the products offered are not nearing end-of-life / end-of-support five years down the line from the date of bidding.
- l. Undertaking to the effect that a Security Deposit of 5% of the order value will be submitted in case C- DAC decides to place the Purchase Order.
- m. Undertaking to the effect that the terms and conditions, clauses etc. stipulated in this tender are acceptable. (as per Annexure- C attached)
- n. Other documents necessary in support of eligibility criteria, product catalogues, brochures etc.

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

5. Online - Envelope 2: “Commercial eBid “shall contain: (PDF format only)

The Commercial Bid along with detailed terms and conditions, complete in all respects with proper seal and signature of authorised person with name, designation, email id and contact no.

6. Both the technical bid and commercial e-bid should be addressed to:

Materials Management Group (MMG)

Centre for Development of Advanced Computing (C-DAC) Innovation Park,
Panchvati, Pashan, Pune 411 008, INDIA.

7. Date of submission/Due Date of e-bids and opening of the Technical bids – Online.

Last date for uploading the ebids: **11th June 2018 up to 1500 Hrs and**
Opening of Tech Bids online on – 12th June 2018 at 15.30 Hrs. at

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

Innovation Park, Pune 411 008. Maharashtra, INDIA,

Tel No.: +91-20-25503108

E-mail: mmg@cdac.in

8. Technical ebids will be opened - online on 12th June 2018 at 1530 Hrs at:

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

Innovation Park, Pune 411 008. Maharashtra, INDIA,

Tel No.: +91-20-25503108

E-mail: mmg@cdac.in

The bids must be submitted on-line. The Tender Fees & EMD/BG/NSIC 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. The representatives (maximum two) of bidders are welcome to attend the opening of the 'online' technical ebids.

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.

9. Opening of commercial ebids – online

- 10.** Commercial ebids of the qualified bidders only will be opened, in the presence of the bidders or their authorized representative of the bidders, who choose to attend, at the time place and date to be informed later. The authorized representative of bidders, present at the time of opening of the bids shall be required to sign an attendance register as a proof of having attended the commercial bid opening.

The bidder's name, bid prices, discounts and other appropriate details will be announced at the time of the opening of the commercial bids.

(END OF SECTION I)

SECTION II: INSTRUCTIONS TO BIDDERS (ITB)

1. Locations for the Supply, Installation & Warranty Services

The entire products as described in Schedule of Requirements must be supplied, installed, commissioned & supported at **C-DAC Pune.**

2. Delivery Period:

All the items covered in the Schedule of Requirements (Section – IV) must be supplied within **06 weeks** from the date of placement of order. Supplier should complete the installation within two Weeks from the date of supply.

3. Order Placements:

The Supply Order shall be released by:

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

The payments shall be released by:

**Centre for Development of Advanced Computing (C-DAC)
Innovation Park, Panchvati, Pashan,
Pune – 08. Maharashtra, INDIA**

4. Eligibility Criteria:

- 4.1. Bidder should either be a principal manufacturer or **authorised** system integrator for the items mentioned in the tender document.
- 4.2. The Indian agent and the Principal / OEM of Servers cannot bid simultaneously.
- 4.3. Bidder should have annual sales turnover of minimum Rs. 75 Lakhs for each of the financial year 2015-2016, 2016-2017, 2017-2018.
- 4.4. The bidders should upload the required documents / financial instruments as stipulated in Section – I.
- 4.5. The bidder must quote for all the items given in Schedule of Requirements – Section IV of this document.
- 4.6. The bidder must submit the technical compliance sheet/report as per the technical requirements/features; stating deviations if any.
- 4.7. Undertaking to the effect that a Security Deposit of 5% of the order value will be submitted in case C- DAC decides to place the Purchase Order.
- 4.8. The bidder must not be blacklisted by C-DAC or any other Educational / R&D / Govt. organizations. A certificate or undertaking to this effect must be submitted.
- 4.9. The bidder must submit the applicable documents as stipulated at para 4, Section – I.

4.10. Pre-Qualification Criteria:-

Special Terms & Conditions-

1. Hardware should be from original manufacturers and should be shipped in original packing with OEM part numbers.
2. Bidder has to quote entire hardware products from Single OEM. One bidder can represent only one OEM.
3. The OEM should have direct sales & support centre in India to provide technical support. Contact details of the support centre should be provided with the offer.
4. The proposed product OEM must have presence in India for more than 05 year's period.
5. The Bidder should fill compliance statement against each technical specification along with technical documentary proof. Any deviation from above mentioned technical specifications should be clearly indicated.
6. The OEM should have executed min one order (**in INDIA**) for minimum 500 TB of storage and a single order of minimum 08 server nodes, supporting documents should be furnished along with the bid
7. The Proposed hardware should support to Hyper Converged Technology.
8. Bidder must ISO certified company, document should be attached.
9. All the quoted Software Licences should be perpetual & No additional charges for software at the up-gradation of Storage Capacity in future.

Note: 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.

5. Amendment to Bidding Documents

- 5.1. At any time prior to the deadline for submission of bids, C-DAC may, for any reason, whether on its own initiative or in response to the clarification request by a prospective bidder, modify the bid document.
- 5.2. 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.
- 5.3. C-DAC at its discretion may extend the deadline for the submission of bids if it thinks necessary to do so or if the bid document undergoes changes during the bidding period, in order to give prospective bidders time to take into consideration the amendments while preparing their bids.

6. 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.

7. Earnest Money Deposit (EMD)

- 7.1. 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. 90,000/- (Rupees Ninety Thousand Only).
- 7.2. The Indian bidders registered with National Small Industries Corporation are exempted from

payment of EMD. In this case, the bidders must submit the copy of valid NSIC registration certificate for the required items, valid till the date of completion of all obligations/responsibilities of both parties. The bid submitted without EMD/BG/NSIC shall stand rejected. No interest shall be payable on EMD.

- 7.3. 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.
- 7.4. The successful bidder, on award of contract / order, must send the contract/ order acceptance in writing, within 7 days of award of contract/ order, failing which the EMD will be forfeited and the order will be cancelled.
- 7.5. The EMD may be forfeited:
 - 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 Performance Bank Guarantee (Refer Clause 6 of Section III).
 - If the bidder fails to furnish the acceptance in writing, within 7 days of award of contract/ order.

8. Period of validity of bids

- 8.1. Bids shall be valid for minimum 120 days from the date of submission. A bid valid for a shorter period shall stand rejected.
- 8.2. 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.

9. 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.

10. Deadline for Submission of Bids – Online Only

- 10.1. Bids must be received by C-DAC before the due date and time at the address specified in the tender document.
- 10.2. C-DAC may extend this deadline for submission of bids by amending the bid documents and the same shall be suitably notified in the media.

11. Late Bids

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

12. Bid Opening & Evaluation of Bids

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

- The bids will be examined based on eligibility criteria stipulated at Para 4 of Section II to shortlist the eligible bidders.
- The technical bids of only the short listed eligible bidders shall be evaluated based on technical specifications stipulated at Section – IV.

- 12.2. 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.
- 12.3. 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.
- 12.4. The bidder's name, bid prices, discounts and such other details considered as appropriate by C-DAC, will be announced at the time of opening of the commercial bids.

13. Comparison of Bids

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

14. Award of Contract

- 14.1. 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 Grand Total calculated of all items + taxes etc. of the Commercial Bids. However, C-DAC reserves the right and has sole discretion to reject the lowest evaluated bid.
- 14.2. 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.

15. 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.

16. Purchaser's Right to amend / cancel

- 16.1. C-DAC reserves the right to amend the eligibility criteria, commercial terms & conditions, Scope of Supply, technical specifications etc.
- 16.2. C-DAC reserves the right to cancel the entire tender without assigning any reasons thereof.
- 16.3. C-DAC reserves right to place part orders.

17. Corrupt or Fraudulent Practices

- 17.1. It is expected that the bidders who wish to bid for this project have highest standards of ethics.
- 17.2. 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.
- 17.3. 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.

18. 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 can quote in INR only.
- 1.3. The prices quoted must be on “all-inclusive till destination” basis.
- 1.4. The exact rate of taxes, charges currently applicable must be mentioned in the ‘Commercial bid format’.

2. Software Licenses

The software licenses, if any, shall be required in the name of user. The licenses shall contain paper licenses and at least one set of media (CDs) – wherever applicable. All software licenses quoted should be of perpetual.

3. Security Deposit (SD)

The successful bidder will be required to furnish the Security Deposit in INR equivalent to 05% of the order value within 07 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 from Indian representative in INR is acceptable. The Security Deposit will be returned upon completion of installation & commissioning and on submission of Performance Bank Guarantee (PBG).

4. Performance Bank Guarantee (PBG)

The successful bidder will be required to furnish the Performance Guarantee towards the Hardware & Software supplied, in the form of a Bank Guarantee in INR equivalent to 10% amount of the Supply Order value, as per the format attached to this document (Annexure – A). This bank guarantee should be submitted along with the invoice after successful installation. The Bank Guarantee shall remain valid for the period of 37 months from the date of installation. The PBG must be negotiable at a branch of issuing bank in India. The PBG from Indian representative is acceptable. In case of no warranty claims towards the item under warranty, the PBG will be returned on completion of warranty period.

5. 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. The items which are over & above the scope of supply specified in the Schedule of Requirements may be marked as “Optional Items”.

6. Warranty

The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract. The supplier further warrants that all Goods supplied under

this contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the supplier. The warranty should be comprehensive on site, repair/replacement basis free of cost.

All the equipment's and components supplied must have 03 (Three) years onsite comprehensive warranty with 24x7 support along with 4 hours' response time and resolution time within 48 hrs. from the time of call logging covering all parts & labour starting from the date after the successful installation, during the warranty period, Bidder will have to undertake comprehensive maintenance of the entire hardware components, equipment, support and accessories supplied by the Bidder at the place of installation of the equipment.

The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary.

Goods requiring warranty replacements must be replaced on free of cost basis.

Collecting of faulty Hardware from onsite and provisioning the replacement of Hardware under warranty at onsite shall be the responsibility of the supplier.

CDAC reserves the right to invoke the Performance Bank Guarantee submitted by bidder, in case of the following:

- a. Supplied Hardware & Software components fail to achieve the performance as stipulated in this document.
- b. The bidder fails to provide the warranty and other services in scheduled time frame, as stipulated in this document, penalty clauses mentioned under point 9 of this tender shall be applicable.

7. Payments

Payment by NEFT – 90% after Delivery and installation and acceptance by CDAC within 30 Days and 10% against Performance Bank Guarantee for Warranty period.

8. Bill to/ Ship to:

Centre for Development of Advanced Computing (C-DAC)
Innovation Park, Pashan, Pune 411 008, Maharashtra, INDIA

9. Penalty for delayed Delivery:

C-DAC reserves the right to levy penalty @ of 0.5 % of order value per week of delay beyond the scheduled deliveries Within 06 weeks- as mentioned in this tender doc.) / execution of the order successfully, subject to maximum of 05 % of the order value.

C-DAC reserves the right to cancel the order in case the delay is more than 06 weeks.

The delay in delivery and/or installation not attributed to supplier viz. delay in site preparation, delay in submission of required documents (by C-DAC) etc. and the conditions arising out of Force Majeure will not be considered for the purpose of calculating penalties.

10. Jurisdiction

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

11. 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.

12. Arbitration

All disputes/claims of any kind arising out of supply, commissioning, acceptance, warranty maintenance etc. under this Contract, shall be referred by either party (C-DAC or the bidder) after issuance of 30 days' notice in writing to the other party clearly mentioning the nature of dispute to the Sole Arbitrator appointed by C-DAC. The venue for arbitration shall be specified in the purchase order/agreement. The arbitration proceedings shall be conducting in English and as per the provisions of Indian Arbitration and Conciliation Act, 1996. The decision of the Arbitrator shall be final and binding on both the parties.

13. Risk and Ownership

Upon 80% of payment, C-DAC shall become owners of goods ordered but all risks, responsibilities; liabilities thereof in all goods shall remain with selected bidder till delivery of all goods to all end users. Part deliveries shall not be treated as deliveries. Only full deliveries of all items ordered will be considered as delivery.

14. Indemnity

Selected bidder shall save, indemnify and hold harmless C-DAC from any third-party Govt. Claims, losses penalties, if any, arising in connection with this Contract.

15. 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.

16. 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

Section A **Hardware and associated software specification**

Annexure – 01

Server: Compute Nodes - 2U Rack Mountable Server – Qty - 02 Nos

Item	Description of Requirement
Server	Compute Nodes - 2U Rack Mountable Server
CPU	2 x Intel Xeon E5-2699v4 (22c @ 2.2GHz) CPUs or Higher Processor
Memory	Should be configured with 384GB DDR4 @ 2400 MHz
DIMM slots	The offered Server should be with 24 numbers of DIMM slots.
Memory Protection	Advanced ECC with multi-bit error protection
HDD Bays	Internal hard drive bay and hot-plug backplane: Up to 16 x 2.5" HDD: SAS, SATA, near line SAS SSD: SAS, SATA
Hard disk drive	Should be configured with 3 x 600GB SAS 10k
Optical drive Bay	One internal DVD-RW to be offered
Controller	PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/6/10 support. The offered Controller should be with 2GB cache (on-board or in a PCI Express slot)
1G Networking features	4 x 1 Gbps Copper Ethernet with Additional Dedicated Mgmt. Ethernet interface port with 3 mts. Length factory crimped copper Ethernet patch cords for each port including mgmt. port
10G Networking features	4 x 10G Copper Ethernet ports with 3 mts. length 10G factory crimped copper Ethernet patch cords for each port
FC HBA	Dual port 16 Gbps FC HBA with two no. of each 3 mts. FC patch cables, Quoted HBA should support quoted SAN Switch and Storage
Interfaces	USB 3.0 support with 2 rear, 1 front, 2 internal USB ports
Bus Slots	Three PCI-Express 3.0 slots, at least two x16 slots
Power Supply	Redundant platinum grade Power Supplies
Fans	Redundant hot-plug system fans
Graphics	Integrated graphics controller
Monitor	LED-backlit monitor - 28.8", Native Resolution 2560 x 1080 at 60 Hz, Full HD, Ultra-wide. Indian standard power supply.
Industry Standard Compliance	ACPI 2.0b Compliant; PCIe 3.0 Compliant; PXE Support; WOL Support; Microsoft® Logo certifications; USB 3.0 Support; Energy Star.
Embedded system management	Should support monitoring ongoing management, service alerting, reporting and remote management with embedded dedicated Gigabit out of band management port. Server should support configuring and booting securely with industry standard Unified Extensible Firmware. System should support RESTful API integration. System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone support. Management Ethernet port should be separate and not part of Data ports mentioned under 1G and 10G networking features.

Operating Systems and Virtualization Software Support	Microsoft Windows Server; Canonical Ubuntu ; Red Hat Enterprise Linux (RHEL); SUSE Linux Enterprise Server (SLES) ; VMware ;Citrix XenServer
Warranty & support	Server Warranty (Hardware) includes with 3-year comprehensive warranty with no additional cost to C-DAC for change, replacement of parts, labour, consumable, shipment, insurance etc. 24x7 support with 4 hours of response time & 48-hour resolution time.
Remote Management	<ol style="list-style-type: none"> 1. System remote management should support browser based graphical remote console along with Virtual Power button, remote media management using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder 2. Server should have dedicated 1Gbps remote management port. 3. Server should support agentless management using the out-of-band remote management port. 4. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur. 5. Should provide remote firmware update functionality.
Server Management	The Systems Management software should provide Role-based security
	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Should support automatic event handling that allows configuring policies to notify failures via e-mail etc.
	Supply should include IPMI\ILO\Remote Management capabilities with relevant advanced licences.
	Management software should support integration with popular virtualization platform management software like VCenter, SCVMM and Red Hat RHEV.

Acceptance Criteria

1. All supplied Hardware should go through POST, Servers should undergo extensive memory test for at least 24 hrs.
2. Supplied Servers should be able to access Dell Storage SC7020 seamlessly through supplied SAN and iSCSI networks.
3. Vendors has to configure the Servers and integrate the servers with VMware VIO Cloud infrastructure which is running on end-to-end solutions from DELL OEM.
4. Quoted servers should be work with VMware VIO Cloud stack.
5. Vendor has to separately quote for Part-A and Part-B as mention in Annexure- 02, software component part.

Section B
Software Component

Annexure – 02

Software: VMware and Monitoring -- Qty -01 licensing

Item	VMware Software Component
Part -A	VMWare vSphere Enterprise Plus socket based License [Total 4 sockets (2 nodes)] with 3-year comprehensive warranty with no additional cost to C-DAC for change, shipment etc. Standard support for 3 years
Part -B	<p style="text-align: center;">Monitoring software for cloud</p> <p>Monitoring software for 10 nodes (20 sockets Total) licensing required.)) Software to be installed on single socket - with 3-year comprehensive warranty with no additional cost to C-DAC for change, shipment etc. Standard support for 3 years</p> <ol style="list-style-type: none"> 1- Specification - Solution should be able to allow multiple users to simultaneously access monitoring and reporting interfaces. 2- Solution should be able to collect data agentlessly from hosts, management servers and failover clusters. 3- Solution supports VMware and Hyper-V 4- Solution should be able to monitor and report on one or more vCenter Servers, 5- Solution is able to monitor and report on one or more standalone Hyper-V hosts, more Failover Clusters, including specific alarms, reports and charts for Cluster Shared Volumes (CSVs). 6- Solution should support comprehensive, single-product licensing that can be easily tracked and managed, e.g. on a per-socket basis. 7- Solution should deploy quickly and without the use of professional services. Solution should include out-of-the-box features, like automatically triggered data collection, prebuilt alarms, and predefined dashboards and reports that allow users to begin monitoring and reporting immediately after installation. 8- Solution's database can be located on either a local or remote database server. 9- Solution initiates and manages performance data collection automatically upon deployment. 10- Solution retains historical performance data for up to 3 years. 11- Solution collects data on an interval that allows users to monitor all major performance metrics in real-time. 12- Solution should support alarms with default notification actions for all virtual infrastructure objects. 13- Solution should offer reports covering all aspects of the virtual environment - including VM availability (uptime), trend analysis, resource utilization, infrastructure documentation and management, and change tracking - for every object in the virtual infrastructure. 14- Solution should present monitoring and reporting data from both technical- and business-oriented perspectives. Business-oriented views are based on user-defined criteria and can include categorizations such as organizational structure, location, SLA, department, etc. 15- Solution should provide at-a-glance views of health and performance.

	<p>16- Solution should monitors Datastore utilization and storage clusters</p> <p>17- Solution should provide built-in alerts for issuing alarms if virtual disks grow beyond configured, over-provisioned limits.</p> <p>18- Solution should monitor Datastore I/O counters for keeping tabs on performance issues, such as latency and read and write speeds.</p> <p>19- Solution should collects data on hardware sensors to provide a single interface for monitoring the physical status of ventilation, enclosure, power and other subsystems.</p> <p>20- Solution should optionally restrict access to monitoring views on a read-only basis.</p> <p>21- Solution should overlay event data on performance graphs for viewing the effect of events on utilization and trends.</p> <p>22- Solution should provide visual status indicators on parent objects for at-a-glance notification of potential problems with underlying objects.</p>
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Support Matrix:

1. Support/warranty for All Items (Software & Hardware) will be Onsite Support & it should provide by same OEM (Hardware Supplier)
2. All Hardware should 03 years' warranty
3. All Software should have 03 years' warranty and standard support.
4. All quoted licenses should be of perpetual
5. The OEM should have established support centre in India and details of the same to be furnished with the bid with Sales and support office in Pune. Should have support telephone e-Mail facilities and share the escalation matrix.
6. The implementation of the project is to be done by Bidder.
7. Bidder should provide single point of contact for execution of this project. Should also provide call login mechanism through phone, e-Mail and escalation matrix.

PRICE BID FORMAT (Section A)

Server + VMWare Software							
Sr. No	Name and Specification of the Item	Make / Model No / Part No	Unit Cost in INR	Qty.	GST applicable (%)	Other levies applicable (%)	Total Cost in INR
	Section A						
1.	Server: Compute Nodes – 2U Rack Mountable Server			02			
2.	Any Hardware / software / cables Etc. needed to complete the solution has to include						
	Other Charges (if applicable) In INR Only.						
	Total Section A (F.O.R. C-DAC, Pune)						

PRICE BID FORMAT (Section B)

Server + VMWare Software							
Sr. No	Name and Specification of the Item	Make / Model No / Part No	Unit Cost in INR	Qty.	GST applicable (%)	Other levies applicable (%)	Total Cost in INR
	Section - B						
Part - A							
1	VMware VSphere ESXi server (2 nodes)			01			
Part - B							
1	Monitoring software for cloud			01			
	Total Section B (F.O.R. C-DAC, Pune)						
Grand Total Price under Section C (Section A + Section B) (F.O.R. CDAC Pune)							

Note –

- Commercial bids must be offered in the format above.
- 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.
- L1 is calculated based on the Grand total price under Section C = (Section A + Section B)
- C-DAC reserves the right to place part orders.

ANNEXURE A - PROFORMA OF BANK GUARANTEE

(on non-judicial paper of appropriate value)

To,

**Centre for Development of Advanced Computing
Innovation Park, Panchvati, Pashan,
Pune 411 008.**

BANKS GUARANTEE NO:

DATE:

Dear Sir(S)

This has reference to the Purchase Order No. _____ Dated _____ been placed by Centre for Development of Advanced Computing(C-DAC), Pune on M/s _____ (Name & Address of Bidder) for supply, installation, commissioning and warranty of _____ (description of items) at client's site.

The conditions of this order provide that the Bidder shall,

1. Arrange to deliver the items listed in the said order to the consignee, as per details given in said order, and
2. Arrange to install and commission the items listed in said order at client's site, to the entire satisfaction of C-DAC and
3. Arrange for the comprehensive warranty service support towards the items supplied by Bidder on site as per the warranty clause in said purchase order.

M/s (Name of bidder) has accepted the said purchase order with the terms and conditions stipulated therein and have agreed to issue the performance bank guarantee on their part, towards promises and assurance of their contractual obligations vide the Supply Order No. _____ M/s. _____ (name of vendor) holds an account with us and has approached us and at their request and in consideration of the promises, we hereby furnish such guarantees as mentioned hereinafter.

C-DDAC shall be at liberty without reference to the Bank and without affecting the full liability of the Bank hereunder to take any other undertaking of security in respect of the suppliers obligations and / or liabilities under or in connection with the said contract or to vary the terms vis-a – vis the supplier or the said contract or to grant time and or indulgence to the supplier or to reduce or to increase or otherwise vary the prices or the total contract value or to forebear from enforcement of all or any of the obligations of the supplier under the said contract and/or the remedies of C-DAC under any security now, or hereafter held by C-DAC and no such dealing(s) with the supplier or release or forbearance whatsoever shall have the effect of releasing the bank from its full liability of C-DAC hereunder or of prejudicing right of C-DAC against the bank.

This undertaking guarantee shall be a continuing undertaking guarantee and shall remain valid and irrevocable for all claims of C-DAC and liabilities of the supplier arising up to and until _____ (date)

This undertaking guarantee shall be in addition to any other undertaking or guarantee or security whatsoever the that C-DAC may now or at any time have in relation to its claims or the supplier's obligations/liabilities under and / or in connection with the said contract and C-DAC shall have the full authority to take recourse to or enforce this undertaking guarantee in preference to the other undertaking or security (ies) at its sole discretion and no failure on the part of C-DAC in enforcing or requiring enforcement of any other undertaking or security shall have the effect of releasing the bank from its full liability hereunder.

We _____ (Name of Bank) hereby agree and irrevocably undertake and promise that if in your (C-DAC's) opinion any default is made by M/s _____ (Name of bidder) in performing

any of the terms and /or conditions of the agreement or if in your opinion they commit any breach of the contract or there is any demand by you against M/s_____ (Name of bidder), then on notice to us by you, we shall on demand and without demur and without reference to M/s_____ (Name of bidder), pay you, in any manner in which you may direct, the amount of Rs._____/ - (Rupees _____ Only) or such portion thereof as may be demanded by you not exceeding the said sum and as you may from time to time require. Our liability to pay is not dependent or conditional on your proceeding against M/s_____ (Name of bidder) and we shall be liable & obligated to pay the aforesaid amount as and when demanded by you merely on an intimation being given by you and even before any legal proceedings, if any, are taken against M/s_____ (Name of bidder)

The Bank hereby waives all rights at any time inconsistent with the terms of this undertaking guarantee and the obligations of the bank in terms hereof shall not be anywise affected or suspended by reason of any dispute or disputes having been raised by the supplier (whether or not pending before any arbitrator, Tribunal or Court) or any denial of liability by the supplier or any order or any order or communication whatsoever by the supplier stopping or preventing or purporting to stop or prevent payment by the Bank to C-DAC hereunder.

The amount stated in any notice of demand addressed by C-DAC to the Bank as claimed by C-DAC from the supplier or as suffered or incurred by C-DAC on the account of any losses or damages or costs, charges and/or expenses shall as between the Bank and C-DAC be conclusive of the amount so claimed or liable to be paid to C-DAC or suffered or incurred by C-DAC, as the case may be and payable by the Bank to C-DAC in terms hereof.

You (C-DAC's) shall full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said M/s_____ (Name of bidder) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s_____ (name of bidder) which under law relating to the sureties would but for the provisions have the effect of releasing us.

You will have full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said M/s_____ (Name of bidder) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s_____ (Name of bidder) which under law relating to the sureties would but for the provisions have the effect of releasing us.

Your right to recover the said sum of Rs._____/ - (Rupees _____ only) from us in manner aforesaid will not be affected/ or suspended by reason of the fact that any dispute or disputes have been raised the said M/s_____ (Name of bidder) and/ or that any dispute or disputes are pending before any officer, tribunal or court or Arbitrator.

The guarantee herein contained shall not be determined or affected by the liquidation or winding up, dissolution or change of constitution or insolvency of the said M/s_____ (Name of bidder) but shall in all respects and for all purposes be binding and operative until payment of all dues to C-DAC in respect of such liability or liabilities.

Our liability under this guarantee is restricted to Rs._____/ - (Rupees _____ Only). Our guarantee shall remain in force until unless a suit action to enforce a claim under guarantee is filed against us within six months from (which is date of expiry of guarantee) all your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

We have power to issue this guarantee in your favour under Memorandum and Articles of Association of our Bank and the undersigned has full power to do under the power of Attorney dated.

Notwithstanding anything contained herein:

- A. Our liability under this guarantee shall not exceed Rs_____ (in words)
- B. This bank guarantee shall be valid up to_____ & unless a suit for action to enforce a claim under guarantee is filed against us within six months from the date of expiry of guarantee. All your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there after i.e. after six months from the date of expiry of this Bank guarantee
- C. We are liable to pay the guaranteed amount or any parts thereof under this bank guarantee only and only if you serve upon us a written claim or demand or before _____
- D. The Bank guarantee will expire on (Min 37 months from the date of successful installations of the items in the order) _____

Granted by the Bank

Yours faithfully,

For (Name of Bank)

SEAL OF THE BANK

Authorised Signatory

ANNEXURE B – Undertaking by Principal Manufacturer(s)

(To be submitted in Original on Letterhead)

Date:

**The Director General,
Centre for Development of Advanced Computing
Innovation Park, Panchvati, Pashan,
Pune 411 008.**

Subject: Undertaking by Principal Manufacturer against tender no. –
CDAC-IP/Server+VMWare/2018/228, dated 17/05/2018 for Supply, Installation &
Commissioning of Server: Compute Nodes- 2U Rack Mountable Server and VMWare Software.

Dear Sir,

We, M/s _____ (Name of the manufacturer) having registered office at _____ (address of the manufacturer) by virtue of being manufacturer for _____ (Name of the product/s), hereby authorise M/s _____ (Name of the bidder) having their office at _____ (Address of bidder) to submit quote, supply, install and provide after sales support for our range of products quoted by them to meet the above mentioned tender requirements.

M/s _____ (Name of the manufacturer) within the scope of requirement as per the tender mentioned above undertake to provide technical & other support towards fulfilling the requirements of installation, commissioning, benchmarking, acceptance criteria and product warranty services of Server + VMWare Software to be supplied and installed at C-DAC, Pune by our authorised representative M/s. (Name of bidder) against said tender.

The undersigned is authorised to issue such authorisation on behalf of M/s _____ (Name of the manufacturer).

For M/s _____ (Name of the manufacturer)

Signature & company seal

Name

Designation

Email

Mobile No.

ANNEXURE C: TENDER ACCEPTANCE LETTER

(To be submitted on Company Letter Head).

Date:

To:

**Centre for Development of Advanced Computing
Innovation Park, Panchvati, Pashan,
Pune 411 008.**

SUB: Acceptance of Terms & Conditions of Tender.

Tender Reference No: CDAC-IP/Server+VMWare/2018/228

Name of Tender / Work: Supply, Installation & Commissioning of Server: Compute Nodes- 2U Rack
Mountable Server and VMWare Software.

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: www.cdac.in / www.eprocure.gov.in etc.; as per your NIT / advertisement, given in the above-mentioned website(s).
2. I / We hereby certify that I / We have read the entire terms and conditions of the tender documents from Page No.1 to 26 (including all documents like annexure(s), schedules(s), etc.), which form part of the contract agreement and I / We shall abide hereby by the terms / conditions/ clauses contained therein.
3. The corrigendum(s) issued from time to time by your department / organization too has also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(S) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted / debarred by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the fully said earnest money deposit absolutely.

Yours Faithfully,

Authorized Signatory.

(Signature of the Bidder, with Official Seal)

Email id for correspondence.

Summary Information Sheet		
Tender No.: CDAC-IP/Server+VMWare/2018/228		
Sr. No.	Information heading	Details
1	Name of the Vendor	
2	Name of the person(s) to whom, all references shall be made, regarding this TENDER/PROJECT (Authorized Signatory)	
3	Address of the Contact Person	
4	Designation of the Contact Person	
5	Telephone number(s) of the Contact Person.	
6	Mobile number of the Contact Person	
7	Fax number of the Contact Person	
8	Email ID(s) of the Contact Person	
9	Annual Turnover (in Lakhs): Last three Years (In INR)	1
		2
		3
10	Years of Operation (in Years):	
11	PAN Number	
12	GST Registration Number	

Annexure – D

Authority Letter

AUTHORIZATION

We (name of the bidder) hereby authorise Shri / Smt. (name of the authorised person) to sign and submit the bid to Centre for Development of Advanced Computing against their tender No CDAC-IP/Server+VMWare/2018/228. Shri / Smt. - (name) _____ is also authorised to negotiate the terms and conditions pertaining to the said tender on behalf of M/s (name of bidder). The specimen signature of Shri / Smt. (name) is appended below.

Specimen Signature:

Name:

The undersigned is authorised to delegate the authority on behalf of M/s (name of bidder), as stipulated above

For (name of bidder)

Signature & company seal

Name

Designation

Email

Mobile No.