

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

e - Tender

For

Selection of agency for Implementation of Centralized Data Centre (on Premise Private Cloud) at Punyashlok Ahilyadevi Holkar Solapur University, Solapur



Punyashlok Ahilyadevi Holkar Solapur University, Solapur Web-http://sus.ac.in e - Tender Notice, 2024-25.

Punyashlok Ahilyadevi Holkar Solapur University, Solapur - 413255 (Tel. & Fax. 0217-2744771/78) invites e-Tender for "**Centralized Data Centre** (Selection of agency for Implementation of on-Premise Private Cloud) at Punyashlok Ahilyadevi Holkar Solapur University, Solapur" from experienced System Integrators. The detail of e - tender as follows:

Item Description	EMD amount	Cost of e-Tender form
Centralized Data Centre (Selection of agency for Implementation of on- Premise Private Cloud at Punyashlok Ahilyadevi Holkar Solapur University, Solapur	Rs.4,00,000 /- (Refundable)	Rs. 40,000/- (non-refundable)

e- Tender Time Table

1.	e – Tender Publishing Date	Date: 17/04/2025 Time: 03.00 PM		
2.	Tender Download Start Date and	Date: 17/04/2025 Time: 03.00 PM		
	Time			
3.	Bid Submission Date and Time	Date: 17/04/2025 Time: 03.00 PM		
4.	Pre-Bid meeting Date and Time	Date: 23/04/2025 Time: 11.00 AM		
5.	Closing date and of e-/tender	Date: 07/05/2025 Time: 04.00 PM		
6.	Date and place of online opening	Date: 09/05/2025 Time: 03.00 PM		
	of E-Tender (Technical Bid opening	P.A.H. SOLAPUR UNIVERSITY,		
	Date)	SOLAPUR, Solapur Pune-National		
		highway, Kegaon, Solapur 413255.		
		Telephone- (0217)-2744771/78		
		(Ext-133).		
6.	Online / Tender Fee & EMD	EMD & e-Tender form fee should		
	Submit Online payment	Submitted Online		



Punyashlok Ahilyadevi Holkar Solapur University, Solapur

E - Tender Form

Centralized Data Centre (Selection of agency for Implementation of on-Premise Private Cloud at Punyashlok Ahilyadevi Holkar Solapur University, Solapur

1)	Name of Bidder	:
2)	Full Address	:
3)	Mobile	:
4)	E-mail ID	:
5)	G.S.T. No.	:
6)	PAN No.	:

Seal & Signature of Vendor



MAIN TENDER DOCUMENT

Name of Work: -Selection of agency for Implementation of Centralized Data Centre (on-Premise Private Cloud) at Punyashlok Ahilyadevi Holkar Solapur University, Solapur

TENDERING PROCEDURE

- 1. GUIDELINES TO BIDDER for the bid for Centralized Data Centre (Selection of agency for Implementation of on-Premise Private Cloud at Punyashlok Ahilyadevi Holkar Solapur University, Solapur.
- 1.1 BLANK TENDER FORMS Tender form can be downloaded from the e- tendering portal Government of Maharashtra i.e. <u>http://www.mahatenders.gov.in</u> after entering the details of payment towards tender fees as per the Tender Schedule.
- 1.2 The prospective Bidders are free to ask for any additional information or clarification either in writing on email ID : **registrar@sus.ac.in** concerning the work, and the reply to the same will be given by the Registrar, P.A.H. Solapur University, Solapur, 413255 and same will be made available on e-tendering portal of Government of Maharashtra i.e. <u>http://www.mahatenders.gov.in</u> and this clarification referred to as common set of conditions/deviations (C.S.D.), shall form part of tender documents and which will also be common and applicable to all Bidders.
- 1.3 The tender submitted by the Bidders shall be based on the clarification and shall be unconditional. Conditional tenders will be summarily REJECTED.
- 1.4 All Bidders are cautioned that tenders containing any deviation from the contractual terms and conditions, specifications or other requirements and conditional tenders will be treated as no responsive.
- 1.5 Bidders should have valid class II/III Digital Signature Certificate (DSC) obtained from any Certifying Authorities. In case of requirement of DSC, interested Bidders should go to <u>www.mahatenders.gov.in</u> and follow the procedure mentioned in the document 'Procedure for application of digital certificate'.
- 1.6 For any assistance on the use of Electronic Tendering System (ETS), users may call the 24x7 Help Desk on their Toll FREE No (0120) 4001 002 / 005 or send queries for technical support on support-eproc(at)nic(dot)in

1.7 Bidder should install the mandatory components available on the home page of <u>www.mahatenders.gov.in</u> under the section 'Mandatory Components' and make the necessary Browser Settings provided under section 'Internet Explorer Settings'

2. PREREQUISITE TO PARTICIPATE IN THE TENDERS PROCESSED BY P.A.H. SOLAPUR UNIVERSITY, SOLAPUR.

2.1 ENROLMENT AND EMPANELMENT OF CONTRACTORS ON ELECTRONIC TENDERING SYSTEM:

The bidders interested in participating in the Tenders of P.A.H. Solapur University, Solapur process by using the Electronic Tendering System shall be required to enrol on <u>www.mahatenders.gov.in</u> the Electronic Tendering System to obtain user ID.

After submission of application for enrolment on the system, the application information shall be verified by the authorized representative of the service provider. If the information is found to be complete, the enrolment submitted by the contractor shall be approved. The contractors may obtain the necessary information on the process of enrolment either from Helpdesk Support team or enrol directly on web site <u>www.mahatenders.gov.in</u>.

2.2 OBTAINING A DIGITAL CERTIFICATE

The digital certificates are issued by an approved Certifying Authority Authorized by the Controller of Certifying Authorities of Government of India through their Authorized Representatives upon receipt of documents required to obtain a Digital Certificate Bid data/information for a particular Tender may be submitted only using the Digital Certificate which is used to encrypt the data during the Bid preparation. In case during the process of preparing and submitting a Bid for a particular tender, the contractor loses his/her Digital Signature Certificate (i.e. due to virus attack, hardware problem, operating System problem): he/she may not be able to submit the Bid online. Hence the Users are advised to store his/her Digital Certificate securely and if possible, keep a backup at a safe place under adequate security to be used in case of need.

In case of online tendering, if the Digital Certificate issued to an Authorized User of a partnership firm is used for signing and submitting a bid, it will be considered equivalent to a no objection certificate / power of attorney to that user to submit the bid on behalf of the partnership Firm. The partnership firm has to authorize a specific individual by an authorization certificate signed by a partner of the firm (and in case the applicant is a partner, another partner is required to authorize in the same form) to use the digital certificate as per Indian Information Technology Act 2000.

Unless the Digital Certificate is revoked, it will be assumed adequate authority of the Authorized user to bid on behalf of the firm for the tenders processed on the Electronic Tender Management System of Government of Maharashtra as per Indian Information Technology Act, 2000. The Digital signature of this authorized user will be binding on the firm. It shall be the responsibility of partners of the firm to inform the certifying authority or

sub-certifying authority, if the Authorized user changes, and apply for a fresh Digital Signature Certificate. The procedure for application of a Digital Signature Certificate will remain the same for the new authorized user.

The same procedure holds true for the Authorized Users in Private / Public Limited Company. In this case, the Authorization Certificate will have to be signed by the Director of the Company or the reporting authority of the applicant. For information on the process of application for obtaining Digital Certificate, the contractors may visit the section 'Digital Certificate' on the homepage of the electronic tendering system.

3. STEPS TO BE FOLLOWED BY CONTRACTORS/BIDDERS TO PARTICIPATE IN THE E-TENDERS PROCESSED ON MAHATENDERS PORTAL

3.1 PREPARATION OF ONLINE BRIEFCASE

All contractors enrolled on the Electronic Tendering System of Government of Maharashtra are provided with a dedicated briefcase facility to store documents/files in digital format. The contractors can use the online briefcase to store their scanned copies of frequently used documents/files to be submitted as a part of their bid response. The contractors are advised to store the relevant documents in the briefcase before starting the Bid Preparation and submission stage. In case the contractors have multiple documents under the same type. (e.g. multiple work completion certificates) as mentioned above, the contractors advised to either create a single pdf file of all the documents of same type or compress the documents in a single compressed file in zip rar formats and upload the same. It is mandatory to upload the documents using the briefcase facility. Therefore the contractors are advised to keep the documents ready in the briefcase to ensure timely bid preparation.

Note : Uploading of documents in the briefcase does not mean that the documents are available to P.A.H. Solapur University, Solapur at the time of tender opening stage unless the documents are specifically attached to the bid during the online bid preparation as well as during decryption.

3.2 ONLINE VIEWING OF DETAILED NOTICE INVITING TENDERS

The contractors can view the detailed tender notice along with the time schedule (Key Dates) for all the live Bidders released by P.A.H. Solapur University, Solapur on the e-Tendering portal on <u>http://www.mahatendres.gov.in</u> under the organization of P.A.H. Solapur University, Solapur.

3.3 DOWNLOAD OF TENDER DOCUMENTS

The pre-qualification/Main Bidding documents are available for free downloading. However, to participate in the online Bidder, the bidder must purchase the bidding documents online.

3.4 ONLINE BID PREPARATION

Submission of bids will be preceded by online bid preparation and submission of the digitally signed within the tender time schedule (Key dates) published in the detailed

notice inviting tender. The bid data is to be prepared in the templates provided by the tendering authority of P.A.H. Solapur University, Solapur. In the unloadable document type of templates, the contractors are required to select the relevant document/compressed file (containing multiple documents) already uploaded in the briefcase.

3.5 SHORT LISTING OF CONTRACTORS FOR FINANCIAL BIDDING PROCESS

The tendering authority will first open the technical bid documents of all contractors and after scrutinizing these documents will shortlist the contractors who are eligible for financial Bidding Process.

3.6 OPENING OF THE FINANCIAL BIDS

The contractors may be present in the office of the Tender opening authority at the time of opening of Financial Bids. However, the results of the Financial Bids of all contractors shall be available on the P.A.H. Solapur University, Solapur e-tendering Portal immediately after the completion of opening process.

3.7 TENDER SCHEDULE (KEY DATES)

The contractors are strictly advised to follow the dates and times allocated to each stage under the column "Contractor Stage" as indicated in the Time Schedule in the detailed tender notice for the Tender. All the online activities are time tracked and the electronic tendering System enforces time-locks that ensure that no activity or transaction can take place outside the start and end dates and time of the stage as defined in the tender schedule. At the sole discretion of the tender authority, the time schedule of the tender stages may be extended.

4. SUBMISSION OF DOCUMENTS AND TENDER OPENING:

4.1 COVER I: DOCUMENTS TO BE UPLOADED AT THE TIME OF ONLINE SUBMISSION FOR FULFILLING QUALIFYING CRITERIA.

Scanned copies of the following documents shall be uploaded by the bidder in cover no.1 at the time of online submission of the bid:

Sr. No ·	Eligibility Criteria to Participate	Supporting Documents
1	Valid certificate of Registration under Shops &	Same Carrow Cartificate
	1956, duly renewed or Partnership Act 1932	Scan Copy of certificate
2	Valid G.S.T. certificate of the bidder & GST paid latest challan	Scan Copy
3	Copy of PAN card & IT returns of last three years for A.Y. 2022-23, 2023-24 & 2024-25	Scan Copy
4	Audited Balance sheet for the financial year 2021-22, 2022-23 & 2023-24	Scan Copy
5	Average Annual Turn Over of Minimum of Rs. 3 Crore in the last three E X = 2021-22 = 2022-23 & 2023-24	Scan Copy of CA
	$\frac{1}{100} \frac{1}{100} \frac{1}$	Continuate

	Bidders should submit OEM's Authorization certificate		
	(MAF – Manufacturer's Authorization Form) on OEM's	Copy of Manufacturer's	
6	letterhead. This certificate is to be provided by OEM of	Authorization Form	
	Servers, Secure Access solution, Switch and Smart Rack	(MAF) from OEM	
	and Firewall, mentioned in Annexure-I		
7	Bidder should be in the business of Implementation of	Copy of relevant Work /	
	Data Centers / Networking / ITES for the last 3 years	PO / LOA / contract	
	Centers / Networking / ITES projects in last 5 years in any		
	Government / Semi Government Organization / ULBs /		
	University / PSUs as mentioned below :		
	(a) Executed at least ONE single order of similar work		
8	with value not less than Rs. 1.5 Crore	Copy of relevant Work /	
	(b) at least TWO orders of similar work with value not	Purchase Order	
	less than Rs. 1.20 Crore		
	OR		
	(c) at least THREE orders of similar work with value not		
	less than 80 lakhs		
9	Bidder should submit the Client list and work done list	Scan Copy on Letter	
	with telephone & email & Service Centre	Head	
	An undertaking duly attested by the notary should be	Self declaration with Sign	
	provided by each entity regarding Currently not been	stamp naper	
10	blacklisted of banned by any Govt / Department / Govt	sump puper	
	Agency / PSO in India for corrupt or fraudulent		
	practices of no derivery of non-performance in the last 5		
	The hidder has to provide clause by clause compliance	Conv of Compliance	
	for HCI Servers Secure Access Solution Switch	sheet on OEM letterhead	
11	Firewall and Smart Rack from respective OEMs on	with sign and stamp.	
	OEM's letterhead for all the technical specifications		
	mentioned in Annexure-I		
	Bidders should propose a single OEM for Server & HCI	Declaration from OEM	
12	Infrastructure including TOR switches to avoid	along-with product	
	compatibility issues and to assure hassle-free	datasheets	
	upgradation and maintenance.		
		Copy of Survey report as	
13	Site survey report is to be submitted with stamp & sign from the authority during hid submission as per Anneyure – VII	per Annexure-VII	
	the authority, during blu submission, as per Amexure - vii.		

Formats attached with this document. -

4.1.11 Scan copy of Annexure-I should be given. (Technical Specifications)

4.1.12 Scan copy of Annexure-II (Manufacturer Authorization form - MAF)

4.1.13 Scan copy of Annexure-III (Bid form)

4.1.14 Scan copy of Annexure-IV (Service Report Details)

4.1.15 Scan copy of Annexure-V (Forwarding Letter on company letterhead)

4.1.16 Duly attested by the notary format on Rs.500/- stamp paper Annexure-VI

4.1.17 Site Survey report duly signed by the Competent Authority of the buyer as per Annexure-VII

<u>Note: - Hard Copy of Documents uploaded in Technical Bid, should be sent to PAH</u> <u>Solapur University Solapur within 1 week (7 Days) after last date of tender submission,</u> <u>else technical bid will not be valid.</u>

4.2 Cover II: FINANCIAL BID

The Bidder shall quote his financial offer duly signed in terms of item rates at the appropriate place of tender template in Excel Format File for Selection of agency for Implementation of on-Premise Private Cloud at Punyashlok Ahilyadevi Holkar Solapur University, Solapur (Annexure-VIII). It shall be filled in cover No.2 (In the Online Excel Format File). The Bidder should not quote his financial offer anywhere directly or indirectly in Envelope no 1. The bidder shall quote for the work as per details given in the Tender document and also based on the detailed set of conditions issued/additional stipulations made by the P.A.H. Solapur University, Solapur and made available to him on www.mahatenders.gov.in. The tender shall be unconditional. Financial bid will be opened only after the bidder qualifies technically (i.e. criteria mentioned in 4.1).

4.3 SUBMISSION OF TENDER

The bidder shall refer to section "Guidelines to Bidders on the operations of Electronic Tendering System of <u>www.mahatenders.gov.in</u> for details.

4.4 **OPENING OF TENDERS :**

On the date, specified in the Tender Schedule following procedure will be adopted for opening of the Tender.

(A) Cover No. 1 - TECHNICAL BID

First of all cover No.1 of the Bidders will be opened online to verify its contents as per requirements. If the various scanned documents do not meet the qualifying criteria prescribed by the P.A.H. Solapur University, Solapur, a note will be recorded accordingly by the tender opening committee and the said Bidders Cover No.2 will not be considered for further action and the same will be recorded. The decision of the tender opening committee in this regard will be final and binding on the bidders.

(B) Cover No. 2 - FINANCIAL BID

Cover No.2 shall be opened online after opening of Cover No.1 Only. If the documents submitted in Cover No.1 meet the qualifying criteria prescribed by the P.A.H. Solapur University, Solapur and contents of Cover No.1 are found to be acceptable to the P.A.H. Solapur University, Solapur. The quoted rates of the items in the Financial Bid of the bidder shall then be read out from the template in the presence of bidders present at the time of opening of Cover No.2.

NOTE:- Commissioning Prices quoted by the bidders should include all local taxes, duties, levies, installing, transportation, insurance and any other costs till the go-live of the project.

5. EARNEST MONEY

Earnest Money of **Rs. 4,00,000/-** shall be paid through an online system. Scanned copy of the receipt of EMD shall be uploaded in Envelope No. 1 online. In case of successful bidder the Earnest money will be refunded after paying the initial security deposit and completing the tender documents by the bidder. The amount of Earnest Money will be forfeited to the University in case the successful bidder does not pay the amount of initial security deposit within specified time limit.

6. PERFORMANCE SECURITY DEPOSIT

Earnest Money Deposit credited along with tender shall be converted as a performance security deposit (5% of purchase order) and successful bidder shall have to credit remaining balance amount of performance security deposit or SD 5% of purchase order shall be deposited either in Cash through NEFT/RTGS or DD of Nationalized bank or in form of B.G of Nationalized Bank payable Solapur should be valid till 60 days after warranty period. On successful completion of contract security deposit amount will be refunded to the contractor without interest after expiry 60 days from the expiry of warranty.

7. TIME LIMIT

The work period as specified in the N.I.T. (Notification Inviting Tenders) which shall be reckoned from the date mentioned in the written work order for commencing the work.

8. TENDER RATE

No alteration in the form of tender and in any schedule/Annexure of tender and no additions in the scope of special stipulation will be permitted.

9. TENDER UNITS

The bidders should particularly note the unit mentioned in the Schedule "B" (Annexure - VIII) on which the rates are based. No change in the units shall be allowed.

10. CORRECTIONS

No corrections/alterations shall be made in the tender documents.

11. TENDER ACCEPTANCES

The Bidders whose bid is lowest, the successful shall submit all the attested copies of the scanned documents uploaded online by him in Cover No.1 to the office of address The Registrar, P.A.H. Solapur University, Solapur after opening of financial bids. If all above documents meet the requirements of University, further process will be carried out. The decision of the tender opening authority in this regard will be final and binding on the contractor.

Acceptance of tender will rest with the University Authorities, P.A.H. Solapur University, Solapur. P.A.H. Solapur University, Solapur reserves the right to reject any or all tenders without assigning any reason therefore at any stage of tender. The Bidders whose tender is accepted will have to deposit a security deposit and enter into an agreement within 30 days of being notified to do so. In case of failure on the part of Bidders to sign the agreement within the stipulated time, the earnest money paid by him shall stand forfeited to the University and the offer of the Bidders shall be considered as withdrawn by him.

12. VALIDITY PERIOD

The offer shall remain open for acceptance for a minimum period of 120 days from the date of opening of cover no.2 (Financial Bid) and thereafter until it is withdrawn by the bidder by notice in writing duly addressed to authority opening the tender and sent by Registered Post Acknowledgement due.



General Terms and Conditions

(These terms and conditions are generic in nature, which have been mentioned for the knowledge of the bidders and may be changed to specific terms and conditions with necessary changes with each Purchase Order (PO) as and when applicable.)

All terms and conditions of Government of Maharashtra resolutions of 01/12/2016 will be totally applicable for this tender.

1. Delivery and Installation

- 1.1 The Bidder should deliver the goods within stipulated time and as per the specifications as mentioned in General terms and conditions at Sr. No. 3 from the date of purchase Order.
- 1.2 Delivery of the Goods shall be made by the supplier in accordance with the terms of the Purchase Contract. The bidder should take responsibility for the Goods till it reaches the delivery destination as informed by the P.A.H. Solapur University, Solapur. Transport to such a place of destination in India, including insurance and storage as shall be specified in the contract, shall be arranged by the Supplier. Bidders shall organize the Road Permits wherever required.
- 1.3 The P.A.H. Solapur University, Solapur will consider the inability of the Bidder to deliver or install the equipment within the specified time limit, as a breach of contract and would entail the payment of Liquidated Damages on the part of the Bidder. The liquidation damages represent an estimate of the loss or damage that the P.A.H. Solapur University, Solapur may have suffered due to delay in performance of the obligations (relating to delivery, installation, operationalization, acceptance, warranty, maintenance etc. of the deliverables) by the Bidder.

1.4 Products shall be supplied in a ready to use condition along with all accessories mentioned in specifications.

2. All the payments will be made after complying following points

2.1 Bidder will be required to furnish the documentary proof of delivery, successful installation report and acceptance duly signed by P.A.H. Solapur University, Solapur officials while claiming the payment.

2.2 Supplier will be entirely responsible for all applicable present and future duties, levies, charges, license fees, G.S.T. etc. in connection with delivery of goods at site including incidental services and commissioning.

2.3 The Bidder must accept the payment terms proposed by the P.A.H. Solapur University, Solapur. The financial bid submitted by the Bidder must be in conformity with the payment terms proposed by the P.A.H. Solapur University, Solapur. Any deviation from the proposed payment terms would not be accepted. The P.A.H. Solapur University, Solapur shall have the right to withhold any payment due the Bidder in case of delays or defaults on the part of the Bidder. Such withholding of payment shall not amount to default on the part of P.A.H. Solapur University, Solapur.

2.4 The standard payment terms of the PAH Solapur University, Solapur are given below.

i) The Bidder must accept the payment terms proposed by the PAH Solapur University, Solapur.

ii) The financial bid submitted by the Bidder must be in conformity with the payment terms proposed by the PAH Solapur University, Solapur.

iii) Any deviation from the proposed payment terms would not be accepted.

iv) The PAH Solapur University, Solapur shall have the right to withhold any payment due to the Bidder, in case of delays or defaults on the part of the Bidder.

v) 100% Payment shall be made after delivery of all items as per PO in good condition & after successful installation and after the satisfactory report of the expert verification committee of the University.

2.5 Bidder should give bank details on his letterhead for online payments.

2.6 Applicable Taxes will be deducted at prevailing rate while making payments.

3. Delivery and Installation

3.1 All the goods ordered shall be delivered and commissioning, configuration & implantation has to be completed at, PAH Solapur University, Solapur within eight (8) weeks from date of issuance of Purchase Order and as per terms and condition of tender/purchase order. All the aspects of safe delivery and installation and commissioning shall be the exclusive responsibility of the supplier. If the supplier fails to deliver and commissioning of the goods on or before the stipulated date, then penalty @ 1% per week of the total order value shall be levied subject to maximum of 10% of total order value. The goods are to be supplied in good condition within this stipulated period, failing which the supply order is liable to be cancelled.

3.2 Delivery of the Goods shall be made by the Supplier in accordance with the terms of the Purchase Contract. The vendor should take responsibility of the Goods till it reaches the delivery destination as informed by the PAH Solapur University, Solapur, transport to such place of destination in India, including insurance and storage, as shall be specified in the contract, shall be arranged by the Supplier. Vendor shall organize the Road Permits wherever required.

3.3 The Vendor/Bidder should successfully install and commission the goods within 6 weeks, from the date of receipt of material. It means the faultless functioning of equipment. The clearing of the consignment at Mumbai Airport shall be done by the supplier. The corresponding shipping documents may be taken accordingly. If there is delay in clearing of the consignment for not giving timely, demurrage (Warehouse charges), if applicable, has to be paid by the supplier.

3.4 Installation will be treated as incomplete in one/all of the following situations:

- Non-delivery of supporting documentation
- Delivery, but no installation of the components and/or software

3.5 The PAH Solapur University, Solapur will consider the inability of the Bidder to deliver or install the equipment within the specified time limit, as a breach of contract and would entail the payment of Liquidated Damages on the part of the Bidder.

The liquidation damages represent an estimate of the loss or damage that the PAH Solapur University, Solapur may have suffered due to delay in performance of the obligations (relating to delivery, installation, operationalization, implementation, Training, acceptance, warranty, maintenance etc. of the deliverables) by the Bidder.

3.6 The PAH Solapur University, Solapur shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum as specified in Special Terms and Conditions

3.7 Products shall be supplied in a ready to use condition along with all accessories mentioned in specifications etc.

4. Documents to be submitted

The details of shipping and/or other documents to be furnished by the Supplier are specified hereunder.

- 1 Original copy of Supplier's invoices showing contract number, goods description, quantity, unit price and total amount.
- 2 Manufacturer's / Supplier's warranty certificates and license copies, wherever is applicable.

5. Price and Taxes:

5.1 Prices quoted by the bidders for these equipment should be in Indian Currency in rupees inclusive of all types of taxes and delivery at PAH Solapur University, Solapur.

5.2 The prices quoted shall be valid for a minimum period of three (3) Months from the date of opening of financial tender. And no price hike shall be considered and approved by the university.

6. Technical Information

The technical documentation involving detailed instruction for operation and maintenance, users' manual etc., is to be delivered with every unit of the equipment supplied. The language of the documentation should be English.

7. Acceptance

A. The acceptance / performance test will be performed after completion of installation and commissioning of all the components of the solution at the sites of installation. Complete hardware and Software as specified in the tender must have been supplied, installed and commissioned properly by the Bidder prior to commencement of the test. The acceptance test will be conducted by P.A.H. Solapur University, Solapur, the expert committee nominated by the P.A.H. Solapur University, Solapur as its option as per the acceptance criteria. The acceptance will involve trouble-free operation for two consecutive days at site. The Bidder will be responsible for setting up and running the acceptance test without any extra cost to the P.A.H. Solapur University, Solapur.

B. In the event of hardware and software failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which the P.A.H. Solapur University, Solapur reserves the right to get the corresponding component replaced by the bidder at no extra cost to the P.A.H. Solapur University, Solapur or to cancel the order and recall all the payments made by the P.A.H. Solapur University, Solapur to the bidder.

C. Successful conduct and conclusion of the acceptance tests for the installed components shall also be the sole responsibility and at the cost of the Bidder.

8. Acceptance Certificate

On successful completion of acceptability test, receipt of deliverables etc. for the equipment and after the P.A.H. Solapur University, Solapur is satisfied with the working of the implemented system, the acceptance certificate signed by the bidder and the representative of the P.A.H. Solapur University, Solapur will be issued. The date on which such certificate is signed shall be deemed to be the date of acceptance of the system and the WARRANTY of the Hardware starts from that date.

9. Governing Language

- A. The contract shall be written in English. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in English.
- **B**. The technical documentation involving detailed instruction for operation and maintenance, users manual etc. is to be delivered with every unit of the equipment supplied. The language of the documentation should be English.

10. Inspections and Tests.

- A. The event of hardware and software failing to pass the acceptance test, as per the specifications given, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which, the P.A.H. Solapur University, Solapur reserves the right to cancel the purchase order.
- **B.** On successful completion of acceptability test, receipt of deliverables, etc., and after the P.A.H. Solapur University, Solapur is satisfied with the working on the system, the acceptance certificate will be signed by the Testing Agency and the representative of the P.A.H. Solapur University ,Solapur. Notwithstanding anything contained above, in case of dispute, claim & legal action arising out of the contract, the parties shall be subject to the jurisdiction of courts at Solapur, Maharashtra, India only.

C. Compliance with Laws:

By acceptance of this agreement, the Vendor agrees to comply with the requirements of all the existing laws. The Vendor also agrees to comply with the Fair Labour Standards Act and the Occupational Safety and Health Act, and all other applicable laws, ordinances, regulations and codes in the Vendor's performance hereunder. The Vendor further agrees to indemnify and hold the University and its customers harmless from any

loss or damage that may be sustained by the University, by reason of the Vendor's failure to comply with any laws, ordinance, regulations and codes.



- 1. **Scope of Work:** The Successful bidder on receipt of work order shall be responsible to "Supply, install and commission on-Premise Private Cloud at Punyashlok Ahilyadevi Holkar Solapur University, Solapur" as per the specifications approved by the university and as per the accepted rates.
- 1.1. Within specified delivery period only for the requirements to be provided by The Bidder would be responsible for Supply, install and commission on-Premise Private Cloud at PAHSUS.
- 1.2. The selected Bidder has to Supply, install and commission on-Premise Private Cloud as per specification mentioned in Annexure-I.
- **1.3.** Bidders shall supply the Legal Licenses as specified for operating systems and other hardware equipment and software.
- 1.4. Bidder should propose single OEM for HCI servers, HCI software as well as TPR switches.
- 1.5. Bidder has to provide necessary expertise including OEM expert for installation of Hardware, Softwares and Operating system.
- 1.6. The Bidder should have back-to-back arrangements with the OEM so that University will be able to log a call with the OEM directly **for 5 years** from the date of supply.
- 1.7. The Bidder to ensure that the proposed equipment / components must not be declared "End of Life" within the next 7 years from the date of purchase.
- 1.8. Declaration from OEM regarding OEM warranty as per Tender terms.
- 1.9. Quoted model should be Make in India Class II or higher i.e. make in India content 20% or higher MII certification on OEM's letterhead to be attached with tender reference.
- 1.10. Declaration from OEM for quoted product is not obsolete in the market at the time of bid submission and has at least 5 years of residual support.
- 1.11. Bidders should submit signed bid specific MAF (Manufacturer's authorization form) with OEM details such as Name, designation, address, email ID and phone number along with the bid for defined items, as per Annexure-II.
- 1.12. Service Center list to be submitted by the bidder
- 1.13. The Bidder should have a contact center (central or location wise) in order to log the calls on 24 x 7 x 365. They should also provide onsite support on a 24 x 7 x 365 basis. The contact center numbers should be provided to the University along with the escalation matrix mentioning the contact person's name, number and designation in the company.
- 1.14 OEM must have an online system hardware diagnostics facility. Link / web address to be submitted along with the technical bid. Also OEM must have facility to download updates of pre-installed software's, device drivers and firmware on its website. Link / web address to be submitted along with the technical bid.

- 1.15 Warranty– All the hardware and software supplied by the Bidder should come with 5 Year Warranty, Onsite Service/ Support, etc. as may be applicable.
- 1.16 Bidders must ensure no hardware equipment or software, for which 'End-of-Sale' has been declared. None of the hardware or software should have an 'End-of-Support' mandated by the respective OEM within 7 years from date of initial successful commissioning of hardware.
 - 1. The delivery should be within the period specified in the work order.
 - 2. The transportation to the delivery location and labour required for the entire delivery; installation & commissioning cycle will be the responsibility of the successful bidder / supplier. The same should be done after successful delivery of all required items and immediately within 3 weeks after verification of items by the successful bidder in presence of university officials.
 - 3. Bidder shall provide on-site support for all related works with regard to the "Implementation of on-Premise Private Cloud at Punyashlok Ahilyadevi Holkar Solapur University, Solapur". Delay in the delivery of the IT infrastructure and equipment required for Supply, install and commission on-Premise Private Cloud at Punyashlok Ahilyadevi Holkar Solapur University, Solapur" due to non-availability of transport arrangements for the transporting the material it shall be the responsibility of the bidder / supplier to see that the material reach the destination within the stipulated period.
 - 4. It is required to give a Declaration from Bidder/OEM for genuine parts and operating systems.
 - 5. It is required to give a compliance letter from Bidder/OEM on their letterhead.
 - 6. It is required to give a Malicious code certificate duly signed by OEM of quoted hardware
 - 7. The price should be inclusive of all prevailing and applicable levies / taxes.
 - 8. The University reserves the right to reject any or all tenders. The University may accept tender in full or part or may award part of the works to different bidders.
 - 9. Terms of Delivery: All items should be delivered within 8 weeks from the date of purchase order at Punyashlok Ahilyadevi Holkar Solapur University, Solapur. Bidders will have to verify all the items within 4 weeks from the date of delivery in the presence of responsible officials of university at respective Departments.
 - 10. The supplied items shall have a 5 years warranty. If during the warranty period "on-Premise Private Cloud" failed or had issues in working, the same shall be rectified within 3 working days from the date of complaint by the bidder on his own and no extra charges for this shall be paid by the university.
 - 11. During the warranty period the successful bidder should make arrangements to provide the necessary technical support at university on his own. The complaint or error as the case may be shall be resolved within 3 working days from the date of registering complaint.
 - 12. The successful bidder should have to execute an agreement with the university for the terms and conditions as may be specified by the university.
 - 13. Punyashlok Ahilyadevi Holkar Solapur University reserves every right to cancel the tender in whole or in part
 - 14. The University shall not accept and entertain any claim in the event of the contractor / bidder's workmen sustaining any injury, damage or loss either to person or property or machinery etc. either inside or outside of the University premises. It shall be the sole

Authorized Signatory : Name : Designation :

responsibility of the contractor/ bidder only.

- 15. The Contractor/agency/SI shall ensure that it fully complies with and observes provisions, all statutory rules and regulations laid down by the Government or local body and amendments thereto from time to time. Compliance or violation thereof shall be the contractor /bidder's sole responsibility and the University shall not be liable for the same.
- 16. In case, if any dispute regarding interpretation of any clause or term of this contract and any related document, the decision of the Vice Chancellor of The University will be final and binding on both the parties to this tender.
- 17. The university reserves the right to reject any or all tenders or to cancel the tender process without assigning any reasons thereof and no complaints shall be entertained in this regard.
- 18. The university reserves the right to take appropriate action in accordance with law if the information submitted by the bidder is found to be incorrect or for furnishing false information.
- 19. The bidders shall certify that their firm /company / proprietorship has not been black listed by Government/ Semi-Government bodies/ authorities.
- 20. The bidder shall specifically mention on their letterhead that no disputes / litigation in whatsoever nature are pending or settled between their firm /company/ proprietorship and University.
- 21. The University reserves the right to get clarification and additional documents from the bidder if necessary.
- 22. Any effort by a Bidder to influence the university in its decisions on bid evaluation, bid comparison or contract award may result in rejection of the Bidder's bid.

Service Window

Bidder shall provide technical support for the material supplied as per the service window mentioned here under:

- 1) Service Window: Working hour of the Location
- 2) Telephonic Support: Within 30 minutes
- 3) On-site Call Response: Within 4 Hours.
- 4) Spare Turn around: Same Working Day

Warranty

- a) The warranty for the "Centralized Data Centre (on Premise Private Cloud) at Punyashlok Ahilyadevi Holkar Solapur University, Solapur" shall carry a free comprehensive, onsite warranty for a period of 05 year and shall commence after the delivery, installation & satisfactory operation of the Centralized Data Centre (on Premise Private Cloud) at the specific P.A.H. Solapur University location. (After date of installation)
- **b)** Bidder shall be responsible for repair / replacement of any component of the on-Premise Private Cloud, in case found defective before or during installation and also during warranty period.

Uptime

The Bidder shall attend to and put forth the best of efforts to rectify any of the problems of the on-premise cloud setup installed in the University on all the days irrespective of holidays i.e. general or special. It is also to be noted that in the event of the Bidder failing to carry out the repairs/ replacement within the time stipulated as per service window, the company shall at its own cost provide to the University stand by equipments/devices of equivalent configuration, and the same shall be used by the University till the repairs/replacement receive to the location of the University and the same becomes operational.

27. Inspection and Testing:

- a. The post-delivery inspection and testing of the Hardware & setup shall be carried out to check whether the Hardware is in conformity with all the technical specifications and shall be in line with the inspection/test procedures laid down by the University. The inspection and testing will be conducted by the University, their consultant or other such person nominated by the University at its option.
- b. The acceptance / performance test will be performed after completion of installation and commissioning of all the components of the solution at the sites of installation. Complete hardware and relevant Software must have been supplied, installed and commissioned properly by the Bidder prior to commencement of the tests. The acceptance test will be conducted by the University, their Verification committee nominated by the University at its option. The acceptance will involve trouble-free operation for 24 hours continuously at site. The Bidder will be responsible for setting up and running the acceptance test without any extra cost to the University.
- c. Successful conduct and conclusion of the acceptance tests for the installed components shall also be the sole responsibility and at the cost of the Bidder.
- d. In the event of hardware and software failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which the University reserves the right to get the corresponding component replaced by the Bidder at no extra cost to the University or to cancel the order and recall all the payments, made if any, with interest at 15% per annum from the date of the respective payments till the time of actual receipt of refund.

28. Law of the Contract:

Notwithstanding anything contained above, in case of dispute, claim & legal action arising out of the contract, the parties shall be subject to the jurisdiction of courts at Solapur, Maharashtra, India.



Annexure I

Technical Specification for Centralized Data Centre (on Premise Private Cloud) & Supporting Infrastructure

[To be submitted on OEM's letter head along with Technical Bid]

e of the firm:
ress:
ne No. / Mobile No
ail ID

TECHNICAL SPECIFICATIONS of ITEMS

1. Hyper Converged Infrastructure (HCI)

Sr. No	Items	Descriptions	Complia nce (Yes/No)
A)	Cloud contro	e processor	
1	Processor	 CPU based server must adhere to below points: a. Latest generation processor. b. Minimum 32 cores/64 threads per processor OR better. c. Minimum base clock frequency of CPU 2.5 GHz OR Better. 	
2	RAM	Min 256 GB DDR 5, Min 4800 MHz or better with Advanced ECC with multi-bit error protection, using 32GB RAM module	
3	Storage	2 x 480GB SATA drives SSD 1 DWPD & 2 x 1.920TB SATA drives SSD 1 DWPD with support for RAID 0, 1, 5,6,10	

4	Network	 1 x Management Port 2 x 10 G BaseT ports with suitable Cables and length Dual Port 25 Gbps ports with suitable Cables and length 	
5	Remote Managemen t	Remote management port, IPMI 2.0 or equivalent support with KVM and Media over LAN features with additional licenses if any. Should have support for Redfish API or equivalent for server management.	
6	Power Supply	Redundant and Hot Pluggable, 80 Plus Platinum or better certified power supply along with IEC 14 type Power cables	
7	Form Factor	1U rack mountable or smaller/better form factor, compatible with standard 19" 42U Rack	
8	Rail Kit	Server should be supplied with a compatible Railing Kit.	
9	Graphics	On-board graphics support	
B)	CPU Node - The processor should be compatible to CPU node processor		
1	Processor	 CPU based server must adhere to below points: a) Latest generation processor. b) Dual Processor per Server Node. c) Minimum 32 cores/64 threads per processor d) Minimum base clock frequency of CPU 2.5 GHz. 	
2	RAM	Min 512 GB DDR 5, Min 4800 MHz or better with Advanced ECC with multi-bit error protection.	
3	Storage	2 x 960GB SATA drives SSD, 1 x 1.92TB NVMe SSD drives & with support for RAID 0,1,5,10 For storage 1 x 7.68TB SATA drives SSD or better & 5x20TB SAS 7200RPM.	
4	Network	 1 x Management Port 2x 10GbE BaseT 2 x Dual Port 25 Gbps ports with suitable Cables and length 	
5	Remote Management	Remote management port, IPMI 2.0 or equivalent support with KVM and Media over LAN features with additional licenses if any. Should have support for Redfish API or equivalent for server management.	
6	Power Supply	Redundant and Hot Pluggable, 80 Plus Titanium or better certified power supply along with IEC 14 type Power cables	

7	Form Factor	2U rack mountable or better form factor, compatible with standard 19" 42U Rack	
8	Rail Kit	Server should be supplied with a compatible Railing Kit.	
9	Graphics	On-board graphics support	
C)		Top of the Rack (TOR) switch	

AA	Primary Inte	Primary Interconnect Network Switch (Min. Qty 1)		
1	Switch	25G/100G Ethernet Managed Switch		
2	Network ports	Minimum 48 ports switch with at least 48 x 25G ports and 8 x 100G ports, Supporting QSFP28 and SFP28		
3	Layer 3 or Routing Features	Static Routing, OSPF v2 & BGP, IPv4 routing, ARP		
4	Power Supply	Redundant power supply		
5	Mounting Kit	Rack mounting kit		
6	Power cables	IEC 14 type power cables		

BB	Secondary Interconnect Network Switch (Min. Qty 1)		Complia nce (Yes/ No)
1	Switch	1G Fully Managed Ethernet Switch	
2	Network ports	Minimum 48 ports switch with at least 48 x 1G and 4 x 25G SFP28	
3	Power Supply	Redundant power supply	
4	Routing Features	Routing Features: - IPv4 unicast routing - static routing, OSPF and BGP - IPv6 unicast routing - static routing	

Authorized Signatory : Name :

Designation	
Designation	•

		- ECMP (Equal-cost multi-path)
5	Mounting Kit	Rack mounting kit.
6	Power cables	IEC 14 type power cables.
D)	HCI Software Fea	atures
	Should have das	shboard feature:
	1. User-friendly	y interface
	2. Quota mana	gement
	3. VM Console	
	4. Interactive c	loud shell
	5. Analytics	
	6. Cloud Healt	h Metric Visualization
	7. Alerts & No	tification Center
	8. Advanced se	ecurity management
	9. Software De	fine Load balancer
	Features of Solution: -	
	1. The propose	d solution should include a unified management dashboard that
	combines m	onitoring and management of resources, with features for virtual
	machine (VI	M) creation, and a statistics page. This dashboard should allow
	users to e	fficiently oversee and configure the entire private cloud
	environment	
	2. Proposed so	lution should include Internal services such as network, storage.
	compute. at	ad controllers must operate within containers to maximize
	performance	and scalability of the private cloud infrastructure.
	2 The solution	must provide on demand VM snanshot canabilities to conture
	3. The solution	i must provide on-demand vivi snapshot capabilities to capture
		moses
		poses.
	4. The propose	d solution must ensure multi-tenancy, with complete isolation of
	projects and	users accessing the same cloud resources. Each tenant should
	have secure	, independent access to resources without interference from
	others.	
	5. The solution	n must provide comprehensive performance statistics and logs

for VMs, enabling the monitoring and analysis of VM health, resource utilization, and other key performance indicators.

- 6. The solution must support Virtual Desktop Infrastructure (VDI). It should offer end-user access and authentication, user profile management, guest operating system, and virtual host management. VDI environment should be scalable.
- 7. The proposed solution must support bare-metal nodes and GPU integration to provide high-performance computing capabilities for resource-intensive workloads.
- 8. The proposed solution should include software-defined load balancing capabilities, enabling automated and dynamic distribution of network traffic across resources to ensure optimal performance and reliability.
- 9. The proposed solution should include software-defined load balancing capabilities, enabling automated and dynamic distribution of network traffic across resources to ensure optimal performance and reliability.
- 10. The solution should offer a sub-tenant feature to allow the creation and management of sub-tenants within the primary tenant's environment. All sub-tenant resources should be accessible and manageable from the same central management console.
- 11. The proposed solution must provide the following services as part of the overall solution, with no additional licensing or cost:
 - 1. On-Demand High-Performance Computing (HPC) as a Service
 - 2. Kubernetes as a Service
 - 3. On-Demand VPN as a Service
 - 4. Unified Block storage as Service
 - 5. Object Storage as a Service
 - 6. Virtual Desktop Infrastructure (VDI) as a Service
- 12. The solution must include a billing feature that supports multitenancy environments. It should clearly identify resource utilization, including units and associated costs, to facilitate transparent and accurate billing for tenants and users.
- 13. The proposed solution must be capable of supporting a lab environment where users can access and run AI/ML workloads within a containerized

platform. The solution should provide an efficient and scalable infrastructure to manage and execute AI/ML tasks seamlessly in this environment. 14. The solution should include pre-configured containers that are readily available for users, ensuring faster and secure access to the required workloads. These containers must be integrated within the management console, allowing for streamlined deployment and management of containerized applications. Containers should display resource usage statics. Seamless file transfer to the container functionality must be inbuilt in the solution. Features: • Agent Less access • On demand Automatic container creation should be there. • File manager to transfer the file to the container from the console itself. • Custom container image deployment • Quote management for the container resource on dashboard • Me will need cluster manager software from the same OEM and should support a multi tenant environment with Unified system management of the system, Cloud manager with provisioning, monitoring, and reporting capabilities. • Should have supported Package and Image based provisioning. • Should have supported Package and Image based provisioning. • Support Disk full and diskless cluster deployment • Intuitive web interface to manage and customize the cloud. • Customizing controller nodes (up to changing kernel parameter) • Able to Push configuration changes and updates to the controller nodes			
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Cluster Manager Software We will need cluster manager software from the same OEM and should support a multi tenant environment with Unified system management, monitoring tools for configuration, diagnosis and management of the system, Cloud manager with provisioning, monitoring, and reporting capabilities. - Should have supported Package and Image based provisioning. - Support Disk full and diskless cluster deployment - Intuitive web interface to manage and customize the cloud. - Customizing controller nodes (up to changing kernel parameter) - Able to Push configuration changes and updates to the controller nodes without reinstalling and rebooting GUI (Web) based Cluster Manager - Provision OS on virtual machine - Dynamic Workload manager change	• Heal	Ith analytics for container resource on dashboard	
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Software Unified system management, monitoring tools for configuration, diagnosis and management of the system, Cloud manager with provisioning, monitoring, and reporting capabilities. - Should have supported Package and Image based provisioning. - Support Disk full and diskless cluster deployment - Intuitive web interface to manage and customize the cloud. - Customizing controller nodes (up to changing kernel parameter) - Able to Push configuration changes and updates to the controller nodes without reinstalling and rebooting GUI (Web) based Cluster Manager - Provision OS on virtual machine	Manager	and should support a multi tenant environment with	
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 Freporting capabilities. Should have supported Package and Image based provisioning. Support Disk full and diskless cluster deployment Intuitive web interface to manage and customize the cloud. Customizing controller nodes (up to changing kernel parameter) Able to Push configuration changes and updates to the controller nodes without reinstalling and rebooting GUI (Web) based Cluster Manager Provision OS on virtual machine Dynamic Workload manager change 		Cloud manager with provisioning, monitoring, and	
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 - Able to Push configuration changes and updates to the controller nodes without reinstalling and rebooting - GUI (Web) based Cluster Manager - Provision OS on virtual machine - Dynamic Workload manager change 		- Customizing controller nodes (up to changing kernel	
controller nodes without reinstalling and rebooting - GUI (Web) based Cluster Manager - Provision OS on virtual machine - Dynamic Workload manager change		- Able to Push configuration changes and undates to the	
without reinstalling and rebooting - GUI (Web) based Cluster Manager - Provision OS on virtual machine - Dynamic Workload manager change		controller nodes	
- GUI (Web) based Cluster Manager - Provision OS on virtual machine - Dynamic Workload manager change		without reinstalling and rebooting	
- Provision OS on virtual machine		- GUI (Web) based Cluster Manager	
- Dynamic Workload manager change		- Provision OS on virtual machine	
Dyname workload manager change		- Dynamic Workload manager change	
- General FOSS compilers, libraries, parallel libraries,		- General FOSS compilers, libraries, parallel libraries,	
scientific Libraries		scientific Libraries	
- Graphical Monitoring		- Graphical Monitoring	

	Supj	port	 Provision OS On Physical or Virtual Machine Quick Configuration of Management Node Services Pre-emptive and backfill scheduling support. Application integration support GPU Aware scheduling Libraries: OpenMP, MVAPICH, Blas 1,2,3, Lapack, Scalapack, Intel MKL, Intel DAAL, 	
			Support. (All the required licenses should be included for the same.)	
E)	Scope	of Work		
	a.	Installat	tion, Commissioning and integration of computer, network,	
		and stor	rage components in the racks should be done by respective	
		OEM's.		
	b.	The bio	dder/OEM must implement/install/configure a complete	
		turnkey	solution (on-premises) with usable and resilient storage	
		with sof	tware Platform for Controller Nodes, Cloud Compute Nodes.	
	c.	Ability 1	to assign control and empower different users with access	
	rights and control of their allocated assets, Support for multi-			
	tenancy, Self-service provisioning, Templates that can be readily			
		contain	er platform with 5 years of onsite support for the software	
		stack /	Ability to assign control and empower different users with	
		access 1	rights and control of their allocated assets. In case of failure	
		of phys	sical resource, automatic migration of Services to other	
		availabl	e physical resources, Easy upgradation of the cloud and	
		infrastru	ucture components to maintain elasticity across the	
		compon	ents, Easy to scale out adding multiple compute nodes in	
		case of	extra resource requirement. Solution will provide a complete	
		monitor	ing logging and alerting system (if any license required must	
		be sup	plied as part of solution). All features asked must be	

		confirmed by means of a data sheet or the Product OEM of the	
		product offered by the bidder.	
	d.	Bidder/OEM should provide the solution for VDI.	
	e.	Bidder/OEM should provide details of power, cooling requirements,	
		Rack Units (RU), number of racks and total rack space of the entire	
		solution.	
	f.	OEM need to submit Service Level Agreement (SLA Escalation	
		Matrix) with names and details of Support Person on every stage	
	Docu imple	mentation and Manuals of all systems, configurations and policies mented to be submitted.	
F)	Warra	anty & Support	
	5 yea	rs on-site warranty on the implemented solution	

2. Smart Rack

Sr.	Item	Description
No.		
1	Integrated	Smart/Modular compact 'Plug-n-Play' intelligent integrated
	Infrastructure Solution	data center infrastructure to deploy and effectively
		manageable IT Infrastructure.
2	Scale and Density of	7 KW IT load for 2 Racks Integrated DC with minimum 60 U
	Integrated Data Center	available for IT equipment.
3	Main Electrical Panel &	DB panel (Distribution Board) mounted inside cabinet with
	Cabling	all internal cabling integrated into the same. Adequate
		precaution and compliances to be taken care for
		sizing/ratings of cables and switchgear inside Rack.
4	Cooling Units	02Nos (Each Cooling Unit 7 Kw or More)
5	Cooling System	Rack Based, self contained Precision Cooling Unit designed
		for cooling the racks with 24X7 operations in all respects as
		per ISHRAE/ASHRAE standard and also integrated with
		remote monitoring system. cooling units with each unit of
		minimum 7KW capacity. 2 Nos with N+N Redundancy for 2
		Racks Integrated DC to cater the total Equipment load of
		7kW and Cooling solution should not consume any U space
		inside the racks. And Should be Vertically Mounted so that
		Air Flow can be Uniform. Air-Condition should not be Floor

		Mounted PAC Unit. It should be Integrated inside the Rack
		without occupying any U Space. 7 KW Split Cooling Unit
		consisting of an internal unit (evaporator) and external
		unit with inverter rotary compressor with touch screen
		display. The internal unit is designed so that it can be
		installed in a 800 mm wide IT server enclosure.
6	Outdoor Unit	Copper piping with an insulation tube of elastomeric, nitrile
		foam between each set of outdoor & indoor units as per
		specification. Piping to be properly supported by MS clamp.
		All transmission wiring between indoor to outdoor units is
		kept in PVC conduit. Compressor should be in Outdoor unit
		and with Inverter Scroll Technology.
1	Access Control	Biometric reader. Integrated DC Rack Front doors should
		have electromagnetic lock to permit only authorized persons
0	Interneted Fire Operation	to open the doors through lingerprint reader.
8	Integrated Fire Security	Rack based active fire suppression system including
	& Suppression System	The entinguisher should be NOVEC 1020 based and the
		extinguishing process should begin outomatically when the
		main fire alarm is triggered
9	Auto Door Opening	Integrated Rack Level Auto Door Opening System for Each
	System	Rack Rear door.
10	'U' Usable Space	Minimum 'U' space to be available to mount IT equipment
	L	should be 60U.
11	Remote Monitoring Unit	Yes
12	Temperature Sensor	Yes (For Each Rack)
13	Humidity Sensor	Yes (For Each Rack)
14	Water Leak Sensor	Yes (For Each Rack)
15	Event Alerts	Yes (For Each Rack)
16	PDUs	Minimum 6 Nos.
17	Racks & enclosures	Best in class IT Rack with containment, High density with
	with PDU	42U Frame Of sturdy frame section construction, consisting
		of multi folded (minimum 9 fold) x folded rolled hollow
		frame section punched in 25mm DIN pitch pattern. All
		profile edges are radiuses. The corners are welded, with
		copper coated corner blocks. Removable top & Bottom cover
		with Cable entry provision. as standard, complete with
		snell, cable manager & blanking panels with PDU. Each
		Rack frame should be 42 U 19" mounting type with

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Name	
Designation	:

		minimum 2000 mm (Height) x 800 mm (Width) x 1200 mm
		(Depth). Rack to be provided with all basic accessories like,
		blanking panels, baying kit, sliding keyboard tray, vertical
		cable manager as well as horizontal cable manager,
		earthing copper strip with insulators, PDU 32 amp vertical
		mounting with IEC type socket with 12 nos of IEC C13
		Sockets & 4 nos IEC C19 Socket with 2.5 mtr power chord
		with 32A MCB. Each rack shall have a minimum two such
		PDUs.
18	Email Notification/SMS	Ves
	alerts	
19	Blanking Panel	30% per Rack
20	Rodent Repellent	Ves
	System for Racks	
21	Certifications	a) OEM should be certified ISO 9001:2015, ISO
		14001:2004 & OHSAS 18001:2007-
22		b) OEM must certify that the products are RoHS
		Compliance
23		c) OEM Should have at-least 2 - CDCP & 2 - ATD
		Certified Engineer.

3. 20KVA UPS with min. 2 hr backup:

Sr.	Parameter	Min. Acceptable features
No.		
1	Topology	Online double-conversion
2	Power Rating	20 kVA
		20 kW
3	Parallel	Up to 4 units
	Configuration	
	INPUT	
4	Nominal Voltage	380/400/415 Vac. 3P4W+PE
5	Voltage Range	305-485 Vac (100% load); 138-305 Vac (with derating to 40- 100% load)
6	Frequency Range	40-70 Hz
7	Total Harmonic Distortion (THDi)	< 3%
8	Power Factor	> 99% (100% load)
9	Connection	Input terminal x1, Bypass input terminal x1
	OUTPUT	

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10	Nominal Voltage	380/ 400/ 415 Vac. 3P4W+PE or 220/ 230/ 240 Vac, 1P2W+PE
11	Voltage Regulation	±1%
12	Frequency	50/60 ± 0.05 Hz
13	Total Harmonic Distortion (THDv)	< 2% (linear load), < 4% (non-linear load)
14	Power Factor	1
15	Connection	Terminal x1
16	Overload Capability(1)	106-125%: 5 mins; 126-150%: 1 min; > 150%: 500 ms
17	Current Crest Ratio	3:1
	EFFICIENCY	
18	Online Mode	Up to 96.5%
19	Eco Mode	Up to 99%
	BATTERY	
20	Battery Type	VRLA/ Lithium-ion
21	Nominal Voltage	±144(2), ±192-±264 Vdc
22	Charge Current	Up to 8 A
	COMMUNICATION INTERFACE	
23	Display	Graphical LCD display with LED indicators
24	Port	USB, RS-485, Mini Slot, REPO, Input dry contact x1, Output dry contact x3
	PHYSICAL	
25	Dimensions (W x D x H)	440 x 760 x 88.2 mm (should be able to placed inside the rack)
	ENVIRONMENT	
26	Operating Temperature	0 to 55°C (45 to 55°C de-rating to 75% load)
27	Humidity	5-95% (non-condensing)
28	Audible Noise	< 54 dBA
29	Altitude	0-3000 m (derating 1%/100 m from 1000-3000 m)
30	Ingress Protection	IP20
	CONFORMANCE	
31	Safety	CE, UKCA, UL/cUL, TISI, RCM, BIS, BSMI
32	EMC	IEC 62040-2
33	Performance	IEC 62040-3
34	Sustainability	RoHS, REACH, Energy Star 2.0

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35	External Batteries for	SMF VRLA Battery 12V 65Ah each. Min 34 no.
	backup	

4. Next Generation Firewall:

Sr. No	Firewall	Compliance
		(Yes/No)
1	Solution should be 1U rack mountable appliance with meeting 35 Gbps or above firewall throughput, 6.5 Gbps or above IPS throughput, 6 Gbps or above NGFW throughput, 5 Gbps threat protection throughput, 6 million or above concurrent session, 145k or above new connections per second, IPsec VPN throughput of 20 Gbps or above.	
2	Hardware should have at least 8 Ports RJ45, 2 x SFP fiber* interfaces and additional 1 Flexi Port slot, 1 RJ45 management port, 1 Micro-USB management port, inbuilt 120 GB or above SSD storage and 12 GB or above RAM.	
3	Hardware should have Multiple processors to offload resources to the coprocessor for better performance.	
4	Solution should have GUI/CLI based management console, Role-based administration, user threat level mapping, cloud application usage visibility.	
5	Solution should have SD WAN routing based on jitter/latency/packet loss, reporting analyzer function, ability to identify risky users based on browsing behaviour, integration provision with managed services, IPv6 certified, malicious file reports with screenshot and dashboard file release capability.	
6	Solution should provide TLS inspection offers high performance, support for TLS 1.3 with no downgrading, port agnostic, enterprise-grade policies.	
7	Solution should support SD-WAN providing performance- based link selection based on SLA profile with Jitter / Latency / Packet Loss with zero-impact re-routing, SD-WAN monitoring, multi-site SD-WAN orchestration tools, and FastPath acceleration of IPsec VPN tunnel traffic. And the same should be demonstrated by OEM/Vendor in post bid POC if required.	
8	Solution should support Static Routing, BGP, BGPv6 and OSPFv3 routing.	
9	Solution should have the provision to configure TLS- encrypted syslog.	
10	Solution should have Self-service user portal, API for 3rd party integration	

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11	Solution should have two-factor authentication (One-time- password) support for administrator access, user portal, IPsec and SSL VPN. 300	
12	Solution should support the High Availability (HA) of two devices in active-passive and active-active mode from day 1.	
13	Solution should have on-appliance or external reporting storage to store logs and historical reports.	
14	Solution should provide 1000+ types of reports including bandwidth usage, application usage, web usage, firewall, ATP, geo-activity, IPS, Zero Day Threat Protection and compliance reports.	
15	Solution should have a centralized management to manage multiple firewall appliances from day 1.	
16	Solution should have SNMP v3 and Netflow support.	
17	Solution should have the configuration option to block sign- in for all types of authentication, such as the web admin console, CLI, or VPN. Administrators should be provided with an option to enter the maximum number of failed sign-in attempts and the duration (in seconds) within which the attempts can be made from a single IP address. Therefore, when the failed attempts exceed the number, the administrator is locked for the configured minutes. Administrator must be provided with the configuration option to specify the number of minutes for which the administrator will not be allowed to sign-in.	
18	Solution should provide administrators with the option to use name lookup to query the domain name service for information about domain names and IP addresses. The option should be able to send a domain name query packet to a configured domain name system (DNS) server.	
19	Solution should provide administrators with an option to use packet capture showing the details of the packets that pass through an interface.	
20	Solution should help administrators in tracing the path taken by a packet from the source system to the destination system. The output shows all the routers through which data packets pass from the source system to the destination system, maximum hops, and total time taken by the packet to return (measured in milliseconds).	
21	Solution should provide administrators with the ability to test the reachability of a host on an Internet Protocol (IP) network and to measure the round-trip time for messages sent from the originating host to a destination computer.	

22	Solution should have the ability to send the Netflow records of source, destination, and traffic volume to the Netflow server. The records help administrators to identify the protocols, policies, interfaces, and users consuming high bandwidth. Administrators thus can use data analysis tools, such as Open Source Data Analyzer and PRTG to generate reports from the Netflow records.	
23	Solution should have the ability to configure a mail server and email settings to send and receive alert emails.	
24	Admin user interface should provide the ability to synchronize the clock on the firewall with predefined or custom Network Time Protocol (NTP) servers.	
25	Appliances should support syslog protocol and ust have the capability for collecting and forwarding messages from the firewall module to a server running a syslog daemon.	
26	Solution should provide administrators with an option to add certificates and generate a locally-signed certificate or certificate signing request (CSR). Administrators can also add certificate authorities (CA) and certificate revocation lists (CRL).	
27	Solution should have the ability to define policies to block traffic to high-risk applications. New applications should be automatically added to application filters and firewall rules when the application signature database is updated.	
28	Appliance syslog protocol should be compliant to RFC5424.	
29	Solution should have the ability to specify protection on a zone-specific basis and limit traffic to trusted MAC addresses or IP–MAC pairs.	
30	Solution should support VoIP using both Session Initiation Protocol (SIP) and H.323 standards.	
31	Solution should support QoS) options by web category or application to limit or guarantee upload/download or total traffic priority and bitrate individually or shared.	
32	Solution should have fully transparent proxy for anti- malware and web-filtering and X-Forwarded-For Header support for up-stream load balancers and proxies.	
33	Solution should have group policy management that allows objects, settings, and policies to be modified once and automatically synchronized to all firewalls in the group.	
34	Solution should be a stateful deep packet inspection firewall.	
35	Solution should have the provision to enforce policy across zones, networks, or by service type.	
36	Solution should have the ability for detecting and blocking network traffic attempting to contact command and control	

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Name Designation :

	servers.	
37	Solution should inspect executables and documents containing executable content (including .exe, .com, and .dll, .doc, .docx, docm, and .rtf and PDF) and archives containing any of the file types listed above (including ZIP, BZIP, GZIP, RAR, TAR, LHA/LZH, 7Z, Microsoft Cabinet)	
38	Solution should have Machine Learning technology with Deep Learning scans of all dropped executable files. And In-depth malicious file reports and dashboard file release capability.	
39	Solution should have the ability to create user, group, time, or network-based policies.	
40	Solution should have the ability to create access time policies per user/group.	
41	Solution should support Site-to-site VPN: SSL, IPsec, 256- bit AES/3DES, PFS, RSA, X.509 certificates, pre-shared key. Solution should support RB-VPN.	
42	Solution should support high-performance, next-gen IPS deep packet inspection engines with selective IPS patterns that can be applied on a firewall rule basis for maximum performance and protection.	
43	Appliances should have jumbo frame support.	
44	Appliances should support 802.3ad interface link aggregation.	
45	Solution should have the ability to set user-based traffic quotas on upload/download	
	or total traffic and cyclical or non-cyclical.	
46	Solution should have Flexible network or user-based traffic shaping (QoS) with control based on Surfing Quota, Network Traffic Quota and Time-based Access. And should support DSCP marking.	
47	Solution should have zero-impact rerouting and maintain application sessions when link performance falls below thresholds and a transition is made to a better performing WAN link.	
48	Solution should have SD-WAN load balancing across multiple SD-WAN links with round-robin weighting or session persistence strategies.	
49	Cloud Orchestration should have wizards for easy and quick creation of VPN Tunnels.	
50	Solution should have a centralized management platform (On-prim/Cloud) to manage 50 or more Firewall appliances.	

51	Centralized management and reporting solutions should be in India in the case of cloud management platforms.	
52	Solution should support 3 rd party threat feeds integration to automatically block traffic based on the IPv4 addresses, domains, and URLs listed from third-party threat feeds.	
53	Solution should include <u>5 years subscription</u> of NGFW-IPS- Gateway Anti Virus-Zero Day Protection- Sandbox-ATP, VPN and two-factor authentication provision for 300 users including appropriate licenses if applicable.	
54	OEM/Equipment should have Common Criteria EAL4+ Certification, IPv6 Ready Logo Program Approved List, ISO 27001:2022 or above certificate, TEC MTCTE Certification. Failure to submit certifications will deem the bid disqualified.	
55	Bidders must submit publicly available reference documents for proposed solutions like appliance datasheet, features list and device specifications. Any reference documents that are not available publicly won't be accepted.	
56	Bidder must submit publicly available cross reference link for each technical specifications mentioned in compliance document	
57	Firewall should have 5 years licenses, advanced replacement warranty & 24/7 OEM online support.	
58	OEM Support Escalation Matrix to be attached in bid.	

5. Secure Access Solution for Cybersecurity :

SR.	Min. acceptable Technical Specification for Secure Access	Compliance
No.	with MFA	(Yes/No)
1	The proposed solution should not make any change to existing enterprise application authentication module	
2	The solution must be able to provide User Authentication Support: Microsoft Active Directory, LDAP, Novell e-Directory, Local Database	
3	The solution must be able to provide Time based access to apps & resources with notifications to alert admin of expiring ACLs	
4	The solution must be able to provide Multiple high availability deployment support including Active-Passive and Active-Active	
5	The solution must be able to provide an Integrated workspace access portal to access any private applications (web apps, client-server apps), Cloud Apps applications.	

6	The solution must be able to provide client for Windows, macOS & Linux for accessing web apps, client-server apps, from a single user interface: Windows 7/8/10, macOS, Ubuntu 16 & higher, CentOS 7 & higher, Bharat OS, Windows 10 IoT	
7	The solution must be able to provide Secure Remote Access gateway with technology based on application tunnels to create Zero trust based access gateway and using latest TLS 1.3/1.2 protocol with latest cipher support	
8	The solution must be able to provide Secure Remote Access gateway with Secured UDP tunnel to create a seamless network extension based on Datagram based tunnel and latest cipher support	
9	The solution must be able to provide client for iOS & Android to access virtual apps & desktops and Microsoft RDP based connections inside container	
10	The solution must be able to provide client for iOS & Android to access native mobile apps & email client	
11	The solution must be able to provide Remote access to web application, SaaS apps	
12	The solution should be able to provide Clientless access to Windows & Linux PC/VM using RDP using HTML5 supported browser	
13	The solution must be able to provide Remote access to Internal applications; client- server, RDP, SSH, any other client-server applications, VDI solutions	
14	The solution must be able to provide extended Integrated Access to Virtual applications & Virtual Desktops	
15	The solution must be able to provide Access to VOIP & other real time applications through UDP based tunnel for jitter free experience	
16	The solution must be able to provide Access to MyDesktop: Office PC access: remote desktop and file share	
17	The solution must be able to provide Contextual login and app access based on device Identity.	
18	The solution must be able to provide Centralized endpoint inventory and categorization for devices used for remote access	
19	The solution must be able to provide Push firmware and client upgrades to endpoints	
_20	The solution must be able to provide Map end users to endpoint devices and provide device contextual access	
21	Data copy protection on endpoint machine by blocking screen shot, clipboard, screen recorder blocking	
22	Contextual MFA and step up authentication	

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Name : Designation :

23	Contextual MFA based on device ID, user ID, application accessed, location	
24	The solution should support MFA using OTP tokens (SMS, Email),Mobile App token, hardware token MFA using push notification to Desktops/Mobile app	
25	The solution must be able to provide Built-in load balancing of user traffic for virtual apps & desktops and other private applications: load balancing algo; resource utilization, application availability, round robin	
26	The proposed solution should deploy in both physical and virtual appliances (on any hypervisor or HCI).	
27	The solution must be able to provide Licensed Entity (D=Device, U=User, CCU=Concurrent user) (in case of device or user, whichever is higher and can be registered with the system)	
28	The OEM should provide customization support in case any web application is not supported by default in clientless mode	
29	Direct 24*7*365 Premium Support through OEM for Unlimited incident support tickets, within 30 minutes response time . OEM must offer professional service for installation and configuration	
30	The solution must support eOffice and Parichay applications for seamless working of feature like DSC token signing and Aadhaar- based e-signing	
31	The solution must have facility to validate user ID against LDAP using custom query to support multiple IDs against a single user	
32	The solution must have facility to read geolocation, phone details of user from user phone as part of push notification	
33	The solution must support multi tenancy in setup to host different department with their own authentication and authorization servers	
34	The solution must support multi-tenancy in setup to host different departments with their own authentication and authorization servers.	
35	The solution must support applications for seamless working of features like DSC token signing and Aadhar signing through the browser without agent.	
36	The solution must support reverse proxy based on url rewriting as well as using the DNC redirections	
37	The solution must have built-in USB based Live Linux OS that can support web vpn with device binding for BYOD users.	
38	OEMs should be 100% made in India. Documentary proof to be submitted.	

39	OEMs should have support and RnD centers in India. Documentary	
	proof to be submitted.	

Sign and Seal From Authorized Person from OEM With Designation And Name.



Annexure II

Manufacturer's Authorization Form

[To be submitted along with Technical Bid]

Ref.	No:	

Date:

To,

Subject: Selection of agency for Implementation of Centralized Data Centre (on Premise Private Cloud) at Punyashlok Ahilyadevi Holkar Solapur University, Solapur. Dear Sir,

I / We the undersigned ______ are established and reputable manufacturers

of_____ having Factory / registered office at_____ and

do hereby authorise	e M/s	[Name and addres	s of
---------------------	-------	------------------	------

vendor] to submit a bid and sign the contract with you for the goods manufactured /

supplied by us against the above RfP No_____ dated

We hereby extend our full guarantee and warranty as per the clauses of contract based on the terms and conditions of the RfP for the goods and services offered for supply

by the above firm against the RfP.

Yours faithfully

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Name of the manufacturer

Sign and Seal From Authorized Person from OEM With Designation And Name.

Note: This letter of authority should be on the letterhead of the manufacturer and should be signedby a person competent and having the power of attorney to bind the manufacturer. It should beincludedbythebidderinitsbid.



BID FORM

[To be submitted on the letter head of the bidder along with Technical Bid] Ref. No. Date:

To,

Sub: RFP No......Dated.....For Selection of agency for Implementation of Centralized Data Centre (on Premise Private Cloud) at Punyashlok Ahilyadevi Holkar Solapur University, Solapur

Dear Sir,

We, the undersigned, offer to supply and deliver materials and services including installation and commissioning of "Centralized Data Centre (on Premise Private Cloud)" in conformity with the tender.

We undertake, if our bid is accepted, to deliver the Goods in accordance with the delivery schedule specified in the Tender.

If our bid is accepted, we will provide a Bank guarantee in your favour for a sum equivalent to 5 % of the contract price for the due performance of the contract in the format prescribed by the purchaser.

We agree to abide by this bid for the period of 120 days, from there it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid, together with PAH Solapur University, Solapur's written acceptance thereof and the PAH Solapur University, Solapur's notification of award shall constitute a binding Contract between us.

We hereby undertake to produce the certificate from our OEM supplier in support of above undertaking at the time of delivery/installation. It will be our responsibility to produce such letters from our OEM supplier's at the time of delivery or within a reasonable time.

We agree that the PAH Solapur University, Solapur will have Single Point of Contact with us, at the address stated below for the entire goods and services to be delivered by us in case our bid is accepted.

Address of Bidder for Single Point of Contact

We understand that the PAH Solapur University, Solapur is not bound to accept the lowest of any bid the bank may receive.

Dated _____ day of _____ 20...

(Signature in the Capacity of)

									-		
Duly	Authorized	to	sign	bid	for	and	on	behalf	of	()

Authorized Signatory :

Name :



Service Support Details [To be submitted along with Technical Bid]

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S.N.	Location	Whether local support available at the location [Yes or No]	In respect of Column 3, if response is "NO", specify location from which support extended.	Service Support own or through Franchise	Address and Telephone No [for response specified in column 5]	Working Days and hours	No of H/w Engineer s
1	2	3	4	5	6	7	8
1	PAH Solapur University, Solapur						

. . . .

Seal and Signature of Vendor

Authorized Signatory :

:

Name



(To be submitted on company's letter head with Technical Bid)

To: _____

Subject: Tender for Selection of agency for Implementation of Centralized Data Centre (on Premise Private Cloud) at Punyashlok Ahilyadevi Holkar Solapur University, Solapur

Dear Sir,

This is in reference to your above-mentioned tender for the Selection of agency for Implementation of Centralized Data Centre (on Premise Private Cloud) at Punyashlok Ahilyadevi Holkar Solapur University, Solapur. Having examined the tender document, the receipt of which is hereby duly acknowledged, we the undersigned; hereby submit our proposal along with necessary supporting documents.

Further, we agree to abide by all the terms and conditions as mentioned in the tender document. We have also noted that PAH Solapur University, Solapur reserves the right to consider/ reject any or all applications without assigning any reason thereof. Date :

Authorised Signatory.

Name:

Designation:

Authorized Signatory : Name :

لاتفاد المعالي معالي								
I,		_ (Name	Service	Provider				
Authorized person), Aged about yea	ars, residing	at						
this affidavit that, I am the proprietor / Part	ner of	(Postal A	ddress) d	o hereby sv ompany / f	wear ïrm)			
registered at								

I do hereby swear that, the documents submitted in envelope No.1 of the tender document for the work of Selection of agency for Implementation of Centralized Data Centre (on Premise Private Cloud) at Punyashlok Ahilyadevi Holkar Solapur University, Solapur are true, correct and complete. I am not blacklisted in any organization. In case the contents of envelope No.1 and other document pertaining to the tender submitted by me are found to be incorrect or false, I shall be liable for action under the relevant provision of The Bharatiya Nyaya Samhita and other relevant laws.

Signature of Authorized person /Applicant/Service Provider

Name :

Address:			
City:			
Date:	 	 	
E-mail:	 	 	
Mobile:			

Authorized Signatory	:
Name	:



Annexure – VII Site Surevey Report/Certificate

SITE SURVEY CERTIFICATE

2. The representative person has understood the requirement as mentioned in the tender document.

2. The certificate has been issued to the firm as per the Tender/GEM bid for technical evaluation.

3.

Seal and Signature of Competent Authority/In-charge officer from Buyer with Date

Authorized Signatory : Name :



Annexure VIII /Schedule - B FINANCIAL BID (In COVER - II)

Sr. No.	Items & Description	Unit	Qty	Unit Rate in INR	Taxes per unit in INR	Total Amount in INR
Α	В	С	D	E	F	G = (E+F) x D
1	HCI - Intel CPU 256 Cores @2.4 GHZ or higher - min. Physical Memory DDR5 (2 TB) - min. Usable Storage with 10% Flash/SSD (120TB) - min. 5 nodes - TOR Switches (Primary and Secondary)	Nos	1			
2	Smart Rack with cooling unit (42U)	Nos	1			
3	20 KVA UPS with min. 2 hrs backup	Nos	1			
4	Next Generation firewall with min. 35 Gbps firewall throughput.	Nos	1			
5	Secure Access Solution for Cybersecurity with MFA (Multi Factor Authentication)	No.	1			
6	Installation, Configuring & Commissioning of HCI setup with Man- power support during project period	Nos	1			
7	Sr. No. 1 to 5 – Operations, Management and maintenance for 5 yrs	Lot	1			
۷	Total COST of the Project					

Note: Bidder are requested to note the following points -

- > All the details must be provided as per format.
- > L1 will be arrived based on the above "Total COST of the Project" mentioned in Column G
- All the terms and conditions as mentioned in the Government Resolution of Govt of Maharashtra regarding the purchase process are applicable to the tender document.
- ➤ GST & other taxes may be indicated separately.
- > The University reserves the right to vary the quantity of the items based on actual requirement.

Authorized Signatory : Name :