

SAST/CLPC/ACU-BGSMCH & AHRC / 134 / 2026-27

Date: 22.09.2026

TENDER NOTIFICATION

The Head, CLPC, Sri Adichunchanagiri Shikshana Trust invites closed tenders from eligible tenderers or Bonafide licensed manufacturers (OEM) or their authorized local supplier/ dealer/ distributor in the state of Karnataka for the **Procurement of HCI (Hyper converged Infrastructure) and Hypervisor for BGSMCH and AHRC**. as per section I & II.

01	Name of the work	Procurement of HCI ¹ (Hyper converged Infrastructure) and Hypervisor for BGSMCH and AHRC
02	Last Date for Tender Submission	On or before 05.10.2026 05:30 PM (Tender Submission to this mail id clpcheadtender@bgscet.ac.in is Mandatory).

Section-1**Instructions to Tenderers**

- The Tenderer shall submit the bids (Technical & Financial bids) through the mail id: **clpcheadtender@bgscet.ac.in** on or before the last date of tender submission (for any or all list of items) on professional business letterheads only. The details to be printed on the letter head is as follows
 - Tender for Procurement of HCI (Hyper converged Infrastructure) and Hypervisor for BGSMCH and AHRC
 - Tender Reference number..... [Insert Number]
 - Address to "The HEAD, CLPC, Sri Adichunchanagiri Shikshana Trust, BGSCET Campus, Mahalakshmpuram, Bengaluru - 560086"
 - The tenderer shall submit the original documents to this office on the last day of submission for verification who prefers to submit the tender through Post can dispatch the same through Registered post / Speed post or Couriers as to reach the above address on or before the due date and time specified in the Tender Notice. Tenders received after the due date and time, for what so ever reasons will not be considered and the authority, Head of CLPC will not be liable or responsible for the same.
- Tender Currency:** Prices shall be quoted in Indian Rupees only.
- AMC/CMC (IF ANY)** is subject to the Sri Adichunchanagiri shikshana trust's norms.
- Warranty:** 3 Years.
- Amendment of tender documents:** At any time prior to the deadline of submission of tenders the trust may, for no reason, whether as its own initiative or otherwise modify the tender documents by amendment. Sri Adichunchanagiri Shikshana Trust reserves all the rights to accept, reject, incorporate changes and re-tender without giving any reasons.
- Documents Comprising the Tender:** Shall attach Brochure, Certification of the product, Bank/account details, PAN, GSTIN, Good Standing Certificate and 02 years of

ITR declaration inside the envelope and the company contact details with email id on the in the below mention format in annexure - 1.

- 7) **Tender Prices:** Prices indicated on the price schedule shall be entered separately I.e. the price of the goods, quoted (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and the other taxes already paid or payable. Any Indian duties, sales and other taxes which will be payable on the goods if the contract is awarded. Conditional tenders will not be considered. The bidder has to give the quotation in the below enclosed format in annexure - 2.
- 8) **Validity of the Bid:** 90 days from the last date of submission of bid.
- 9) **Corrupt or Fraudulent practices:** Sri Adichunchanagiri Shikshana Trust requires that the tenderers, observe the highest standard of ethics during the procurement and execution of such contracts. In purchase of this policy:
 - a) Will reject a proposal for award if it determines the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
 - b) Will declare a firm ineligible, either indefinitely or for the stated period of time, to be awarded a university contract if it any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a trust contract.
- 10) **Process to be confidential:** Information relating to the examination, clarification, evaluation, and comparison of tenders and recommendations for the award of contract will not be disclosed to tenderers or any other persons not officially concerned with such process until the award to the successful tenderer has been announced. Any effort by a tenderer to influence the employer's processing of tenders or award decisions may result in rejection of his tender.
- 11) **Clarification of Tenders:** To assist in the examination, evaluation, and comparison of tenders the employer may, at his discretion, ask and tenderer for clarification of his tender, including breakdowns of unit rates. The request for clarification and the response shall be writing or by cable, but no change in the price or substance of the tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the employers in the evaluation of the tenders.
- 12) **Delivery:** The successful BIDDER should commence the service as per the tender document/work or purchase order. For any queries or assistance, please write to clpchead@bgscet.ac.in or telephone to +91- 8123707324.
- 13) **Penalty Clause:** Non-execution of supply order – for the reasons of failure to supply partially or completely within the stipulated time or any event of breach of contract. In case at any following stages
 - a) For the delayed supply (3 days of grace period) – 5% deduction
 - b) Quantity issues – 5 % deduction
 - c) Quality issues – 10% deduction



Section-2**Technical Specification****SECTION 1: FUNCTIONAL, OPERATIONAL & HCI SOFTWARE COMPLIANCE**

Sl. No.	Parameter	Minimum Technical Specification Required	Compliance (Yes/No)
1	Integrated HCI Appliance Architecture	The proposed platform shall be a true Hyper-Converged Infrastructure (HCI) appliance natively consolidating Compute, Storage, Networking, Security, Virtualization and Management within a single, unified hardware unit. No dependency on discrete, independently managed subsystems shall be permitted.	
2	Hypervisor / HCI OEM Compatibility	Platform shall support at least one of: VMware vSphere, Nutanix AHV, HPE (SimpliVity / dHCI), or Microsoft Hyper-V. HCI OEM offered shall be one of: Nutanix, HPE, Microsoft Hyper-V, VMware. Vendor must ensure installation, configuration, and integration of HCI for below mentioned Hardware from the OEMs.	
3	Software-Defined Storage – Encryption, Reduction & Replication	Native data-at-rest encryption (AES-256 or higher) for all stored workloads, with requisite licensing included. The HCI solution shall provide native inline data-reduction capability through either compression or deduplication to optimize storage utilization at no extra licensing cost. Configurable replication with native support for Replication Factor 2 (RF2) and Replication Factor 3 (RF3). Failure of any compute engine shall not reduce the overall number of offered drives. In case vendor is not supporting this capability, then additional one node of the same configuration in terms of compute and storage shall be provided.	
4	Erase Coding for Capacity Efficiency	Support for Erasure Coding (EC-X or equivalent) on the capacity tier for space-efficient data protection, in addition to RF2/RF3.	
5	Native High Availability for Virtual Machines	Automated HA mechanisms for VM failover/recovery, operating independently without dependency on external storage infrastructure. Near-zero RPO / minimal RTO on single node failure within a cluster .	



		Offered platform shall be configured in no single point of failure environment. Vendor shall design in such a way that storage layer shall provide at-least 100% data availability and VM availability is being maintained through the offered hypervisor clustering.	
6	Flexible Deployment – Single & Dual Node Modes	Support for single-node or dual-node standalone configurations for staging, testing, or pre-production, without requiring a full cluster.	
7	Integrated Backup Services for Virtual Workloads	Built-in backup service supporting Live Mode, Suspend Mode, and Stop Mode backup of VM workloads, with configurable scheduling/retention.	
8	Infrastructure Automation & Self-service Operations	Automated / self-service workflows, at minimum, for: VM provisioning & creation, graceful shutdown & power management, decommissioning & deletion, and clone / backup / snapshot operations.	
9	Application Lifecycle Management & Automation	End-to-end application lifecycle automation: install, start, stop, removal, and installed-application inventory collection. Support shall extend to both Windows and Linux operating system families.	

Sl. No.	Parameter	Minimum Technical Specification Required	Compliance (Yes/No)
10	Continuous CERT-In Security Compliance Automation	Automated, continuous enforcement of security configuration on VM operating systems, applications and databases, applied at scale across groups of VMs/hosts, per CERT-In Security Guidelines (CISG): OS Hardening (Windows & Linux) — CISG 2003-09 Securing IIS Web Server — CISG 2010-01 Web Server Security — CISG 2004-04 Database Server Security — CISG 2003-07	
11	Centralized multi-site Management	The HCI solution shall provide a centralized management console for monitoring, configuration, health management, alerting and administration of all HCI nodes within each individual site/cluster.	
12	API & Infrastructures-Code Automation	Full REST API coverage for all management functions, with native support for Ansible / Terraform based automation.	
13	Non-Disruptive Rolling Upgrades	Firmware, hypervisor and HCI software upgrades shall be performed in a rolling, non-disruptive manner with zero VM downtime.	

14	Role-Based Access Control & Directory Integration	Native RBAC with Active Directory / LDAP integration; support for SSO / MFA on the management console.
15	Audit Logging & SIEM Integration	Comprehensive audit logs for all administrative actions, with support for forwarding logs to external SIEM / Syslog platforms.
16	Licensing & Warranty Terms	Perpetual licenses for HCI software, hypervisor and all associated management components for entire offered configuration. Vendor shall ensure that all their licensing. In case licensing is based upon Core then vendor shall provide minimum of 48 Core license per server or actual number of cores per server, whichever is higher for the supplied hypervisor. If offered on subscription, minimum 3 years subscription licenses. Minimum 3 years of HCI software support and comprehensive hardware warranty, irrespective of licensing model.
17	OEM Proactive Health Check Programme	Structured, OEM-run proactive health monitoring during the warranty period, with quarterly comprehensive health assessments. Formal health check report on OEM letterhead within 15 calendar days of each assessment; written OEM declaration to be submitted with the bid.
18	OEM Presence & Reference Deployments in India	OEM actively operating in the Indian market for a minimum of 10 years. Minimum 100 HCI nodes successfully deployed in Medical / Educational / State Govt. / Central Govt. / PSU segments in India.
19	Bidirectional Data Replication & Disaster Recovery	Bidirectional replication between two geographically separate sites, each serving as DR counterpart for the other. Fully operational from date of commissioning, without additional post-deployment configuration or licensing. High-standard target: near-zero RPO with automated failover/failback orchestration between sites.
20	Deployment Scope & Management Licensing	Total of 6 HCI nodes across 2 geographically separate sites, 3 nodes per site. 2 HCI management software licenses, each covering all technical requirements of this specification.

21	Scale-Out & Node Flexibility	Platform shall support linear scale-out by adding compute-only, storage-only, or hybrid nodes without downtime, and shall support mixed node configurations within the same cluster.	
Sl. No.	Parameter	Minimum Technical Specification Required	Compliance (Yes/No)
22	Storage Quality of Service (QoS)	The solution shall provide mechanisms for storage workload management and resource prioritization to minimize performance impact between competing workloads. The solution should support configurable QoS controls where required.	
23	Data Locality & I/O Path Optimization	VM read/write I/O shall be served locally on the hosting node wherever possible to minimize east-west network traffic and latency.	
24	Container & Kubernetes Readiness	The HCI solution shall support containerized workloads and provide the necessary compute, storage and networking resources for their operation	
25	Two-Node / Witness Support	External witness / quorum service support for two-node clusters to prevent split-brain scenarios and ensure data consistency.	
26	Platform Compliance & Certifications	HCI software platform shall support industry-standard security mechanisms, including encryption of data at rest where required, secure boot/TPM-based security, role-based access control, authentication, audit logging and other applicable security controls.	
27	Data Migration & Interoperability	Built-in tools/utilities for live migration of VMs and data from existing/legacy virtualization or storage platforms into the proposed HCI cluster with minimal downtime.	

SECTION 2: MINIMUM HARDWARE TECHNICAL COMPLIANCE (PER NODE — ALL 6 NODES)

Sl. No.	Parameter	Minimum Technical Specification Required	Compliance (Yes/No)
1	Form Factor & Drive Bays	2U Rack-mount server with hot-swap drive slots, minimum 8 (or higher) NVMe/SAS/SATA bays. Quantity: 3 nodes at Site 1 (AHRC) + 3 nodes at Site 2 (BGSMCH) = 6 nodes total.	

2	Processor (CPU)	2 x 24-Core 6520P Intel Xeon 6th Generation or latest, minimum base clock 2.4 GHz.	
3	Memory (RAM)	384 GB DDR5-5600 ECC RDIMM or higher, expandable up to 2 TB, minimum 16 DIMM slots.	
4	Boot / HCI OS Storage	2 x 480 GB NVMe SSD (RAID 1) or higher, dedicated and separate from data drive bays.	
5	Performance-Tier Data Storage	Minimum 3 x 7.5TB SSD (Read Intensive / Mixed Use) or higher — usable capacity $\geq$ 20 TB per node.	
6	Capacity-Tier Data Storage	Minimum 3 x 28 TB Enterprise SAS / SATA SSD or higher — usable capacity $\geq$ 80 TB per node.	
7	Power Supply	2 x 800W (or higher) Titanium-rated, hot-swap, redundant PSU.	
8	RAID / Storage Controller	12 Gb/s SAS controller with minimum 4 GB cache / flash-backed write cache, supporting RAID 0, 1, 10, 5, 50, 6, 60; or Tri-Mode HBA (NVMe/SAS/SATA) where required by the HCI software defined storage architecture.	
9	Network Ports & cables	Minimum 4 x 10 GbE SFP+ ports for storage & VM traffic or more Plus 2 x 10 GbE SFP+ ports for management / uplink traffic or more All DAC / transceiver, interconnect cabling to be included in scope.	
Sl. No.	Parameter	Minimum Technical Specification Required	Compliance (Yes/No)
10	Out-of-Band Management	Dedicated 1 GbE management port with enterprise remote management license (iLO Advanced / iDRAC Enterprise / X Clarity Pro or equivalent), Redfish API, virtual media / KVM support.	
11	Platform Security	TPM 2.0, UEFI Secure Boot, hardware silicon root-of-trust (or equivalent), support for Self-Encrypting Drives (SED).	
12	Cooling	Hot-swap, N+1 redundant fans, minimum 6 or higher.	
13	Rack Integration	Tool-less rail kit included; all cables, transceivers and DAC cables included in scope of supply.	
14	Warranty & Support	3Years, 24x7, 4-hour response, on-site warranty and support — jointly backed by Bidder and OEM.	
15	HCI / Hypervisor Support	Must support VMware vSphere, Nutanix AHV, HPE (SimpliVity / dHCI), Stack Up (Stacbloc), Microsoft Hyper-V, KVM, and other open-source hypervisors.	
16	Environmental & Energy Certification	Offered hardware shall be RoHS compliant and carry Energy Star (or equivalent) energy-efficiency certification.	
17	Spare Parts Availability	OEM shall guarantee availability of critical spare parts (drives, PSUs, controllers, DIMMs) for a	

minimum of 5 years from date of supply.

18	Firmware Lifecycle Management	Centralized, single-click firmware/driver lifecycle management across all nodes in the cluster, validated against the HCI OEM's compatibility matrix before update.	
1	OEM / Make — Server Hardware	HPE, Dell, Lenovo.	
2	OEM / Make — HCI Software	Nutanix, HPE, Microsoft Hyper-V, VMware.	

Site 01: AHRC

Sl.NO	Description	Total (Excluding GST)
1	SECTION 1: FUNCTIONAL, OPERATIONAL & HCI SOFTWARE with required Perpetual licences or Subscriptions with 3years support	
2	SECTION 2: Servers X 3nos as per specifications	

Site 02: BGSMCH

Sl.NO	Description	Total (Excluding GST)
1	SECTION 1: FUNCTIONAL, OPERATIONAL & HCI SOFTWARE with required Perpetual licences or Subscriptions with 3years support	
2	SECTION 2: Servers X 3 Nos as per specifications	

This Compliance Sheet is to be duly filled, signed, and stamped by the authorized signatory of the Bidder and submitted along with the Technical Bid. Non-compliance to any "shall" clause herein may render the bid liable for rejection at the sole discretion of the University.

Authorized Signatory of Bidder

Name & Designation: _____ Company Seal: _____
Date: _____

Instructions:

1. The Bidder should submit item wise technical compliance of every point in the specifications.
2. The deviations, if any, must be clearly mentioned with clarifications.
3. If the hardware and HCI are supplied by two different vendors, both must ensure seamless integration and implementation.
4. 5% retention money withheld with Institution for both hardware and HCI vendors. After completion of installation and configuration, 2.5% will be released at the end of 18 months and balance 2.5% will be released at the end of warranty and support period.
5. All relevant technical information must be included with reference to each clause of the specifications; catalogue/technical sheets should be attached.
6. Bidder should have implemented/deployed HCI at least one customer or more. Related documents must be submitted.
7. Bidder must visit site as and when required for the support.
8. Preventive Maintenance & Service visits: 02 times in a year (once in six months) & breakdown visits for Hardware and HCI.
9. Preferably bidder is from Karnataka state.
10. Bidder must be in business for a minimum of 15 years.
11. Bidder must submit MAF (Manufacturer's Authorisation Certificate) from OEM.
12. Estimated AMC cost for 4th year and 5th year need to be provided.
13. During event of Hardware failure, the hardware must be replaced warranty period and AMC.





Annexure – 1

PARTICULARS OF THE BIDDER

Sl. No	Description	Details (to be filled by the responder to the Bid)
1	Name of the company	
2	Official address	
3	Phone No. And Fax No.	
4	Corporate Headquarters Address	
5	Phone No. And Fax No.	
6	Web Site Address	
7	Details of Company's Registration (Please enclose copy of the company registration document)	
8	Name of Registration Authority	
9	Registration Number and Year of Registration	
10	ISO certifications and its validity	
11	GST registration No.	
12	Permanent Account Number (PAN)	
13	Company's Revenue for last 3 years (Year wise)	
14	Company's net worth for the last year	
15	Bank Details (Name, Account no., Branch, IFSC, MICR)	

Annexure – 2

The Bidder has to quote the rate in the Item Data available online with this bid. Details to be filled up for price bid are as below:

The price shall be inclusive of all taxes (inclusive of GST) under the relevant Laws of India.

SL. No	Particular	Amount In Rs. (Inclusive of All the taxes)
1	Total Cost for Procurement of HCI (Hyper converged Infrastructure) and Hypervisor for BGSMCH and AHRC	
Total in Rs and in words –		


THE HEAD
CLPC, ACU
Mahalekhepuram,
Bengaluru - 560 086.