

Basic Details

Organisation Chain	Department of Pharmaceuticals National Institute of Pharmaceutical Education and Research (NIPER) Guwahati		
Tender Reference Number	NIPER-G/SnP/165/EoI Web hosting/2025-26		
Tender ID	2025_MCF_822186_1		
Tender Type	EOI	Form of contract	EOI
Tender Category	Goods	No. of Covers	1
Payment Mode	Not Applicable	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No		

Cover Details, No. Of Covers - 1

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical/Finance	.xls	Technical Proposals against the Non-Committal EoI

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	NA	Fee Payable At	NA
Tender Fee Exemption Allowed	NA		

EMD Fee Details

EMD Amount in ₹	0.00	EMD Exemption Allowed	NA
EMD Fee Type	NA	EMD Percentage	NA
EMD Payable To	NA	EMD Payable At	NA

Work / Item(s)

Title	Non-Committal Expression of Interest (EoI) for On-Prem Solutions for Web Hosting, Intranet, Database, Radius, Backup Server with Load Balancers at NIPER-Guwahati				
Work Description	Non-Committal Expression of Interest (EoI) for On-Prem Solutions for Web Hosting, Intranet, Database, Radius, Backup Server with Load Balancers at NIPER-Guwahati				
Pre Qualification Details	Please refer Tender documents.				
Tender Value in ₹	1	Product Category	Computer-H/W	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	90	Period Of Work(Days)	1
Location	NIPER-Guwahati, Changsari	Pincode	781101	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	NIPER-Guwahati, Changsari

Critical Dates

Publish Date	12-Dec-2025 12:30 PM	Bid Opening Date	09-Jan-2026 02:30 PM
Document Download / Sale Start Date	12-Dec-2025 12:30 PM	Document Download / Sale End Date	09-Jan-2026 02:00 PM
Clarification Start Date	12-Dec-2025 12:30 PM	Clarification End Date	26-Dec-2025 05:00 PM
Bid Submission Start Date	03-Jan-2026 09:00 AM	Bid Submission End Date	09-Jan-2026 02:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Non-Committal Expression of Interest (EoI) for On-Prem Solutions for Web Hosting, Intranet, Database, Radius, Backup Server with Load Balancers at NIPER-Guwahati	6422.25

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	EoIWebhosting.pdf	Non-Committal Expression of Interest (EoI) for On-Prem Solutions for Web Hosting, Intranet, Database, Radius, Backup Server with Load Balancers at NIPER-Guwahati	6422.25

Tender Inviting Authority

Name	Director, NIPER-Guwahati
Address	NIPER-Guwahati, Sila Katamur, Halugurisuk, Changsari, Kamrup, Assam-781101

Tender Creator Details

Created By	Gitartha Goswami
Designation	Assistant Registrar
Created Date	12-Dec-2025 12:20 PM



**INVITATION FOR NON-COMMITTAL EXPRESSION OF INTEREST (EoI)
through CPPP (e-publishing)**

For

**ON-PREM SOLUTIONS FOR WEB HOSTING, INTRANET,
DATABASE, RADIUS, BACKUP SERVER WITH LOAD BALANCERS
IN NIPER GUWAHATI**

EoI No.: NIPER-G/S&P/165/EoI-Web Hosting/2025-26/.....²⁹⁹

Date: 12/12/2025

Email: queries@niperguwahati.in



1. Introduction

National Institute of Pharmaceutical Education and Research Guwahati (NIPER-G) is the fifth institute to be included in the list of the premium institutes under the Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India. NIPER-Guwahati started functioning in September 2008. The institute was inaugurated by the Hon'ble Union Minister for Fertilizers and Chemicals and Steel, Shri Ram Vilas Paswan, on September 16th, 2008, in the presence of several distinguished personalities.

In line with its vision to strengthen academic, administrative, and research infrastructure, NIPER Guwahati intends to establish a modern, secure, and reliable on-premises IT hosting infrastructure.

Currently, the Institute's public website is hosted on the Government server. To ensure greater control, scalability, and uptime, the institute seeks to migrate to its own on-premises data center setup. The proposed infrastructure will support both the public-facing websites (with provision for future enhancements and adoption of the latest technologies) and internal automation applications.

The proposed system/solution shall be based on non-proprietary, open standard-based architecture with a network-centric functional and management design. All components should support interoperability with industry-standard protocols to ensure seamless integration with the existing infrastructure and to avoid vendor lock-in.

Interested vendors are requested to submit their solutions with detailed information regarding configuration, network architecture, high availability, technical specifications, and other required documentation. Vendors are also required to provide an online/offline presentation/demonstration of the proposed solution on a date and time notified by the concerned section of NIPER Guwahati.

2. Objective

The objective of this Expression of Interest (EOI) is to invite reputed vendors/system integrators to submit proposals for the turnkey assignment of design, supply, installation, commissioning, and maintenance of an end-to-end on-premises hosting and authentication solution, which shall include (but not be limited to):

- a. High-availability Web and Database Servers for hosting public and internal applications.
- b. Load Balancers to ensure maximum uptime and failover support.
- c. Intranet Servers for internal applications and automation.
- d. RADIUS-based Authentication Servers, integrated with the existing LDAP directory, to authenticate Wi-Fi users (Faculty, Staff, Students, and Guests).
- e. Centralized Storage System for application data, user data, and archival, along with a Backup and Disaster Recovery Solution for business continuity.

- f. Seamless Integration with existing infrastructure, including Wireless Controller, Next-Generation Firewall, Core and Distribution Switches, and Directory Services.

The proposed infrastructure should be scalable, secure, and capable of meeting the Institute's requirements for the next 5–7 years.

3. Functional requirement of the project

The proposed solution must meet the following functional requirements:

- a. Web & Application Hosting
 - i. Provide a secure, high-availability hosting environment for the Institute's public website and internal automation applications.
 - ii. Ensure minimum downtime with failover support through virtualization, clustering and load balancing.
 - iii. Support for future scalability to host additional web applications, research portals, or ERP systems.
- b. Database Management
 - i. Provide a centralized database server cluster capable of handling multiple MySQL/MariaDB workloads with high performance.
 - ii. Ensure database replication and backup for disaster recovery.
 - iii. Support data growth and archival requirements for the next 5–7 years.
- c. Authentication & Access Control
 - i. Deploy RADIUS servers integrated with the existing LDAP directory for authentication of Wi-Fi users (Faculty, Staff, Students, and Guests).
 - ii. Enable role-based access control with differentiated policies for internal staff, students, and guest users.
 - iii. Provide guest Wi-Fi onboarding through a captive portal or temporary credentials.
- d. Storage & Backup
 - i. Provide a centralized storage system for hosting application data, user data, and archival storage.
 - ii. Ensure data redundancy, snapshotting, and backup for business continuity.
 - iii. Implement an automated backup solution with support for both virtual machines and databases.
- e. High Availability & Load Balancing
 - i. Implement load balancers for distributing traffic across multiple web and database servers.
 - ii. Provide automatic failovers in case of hardware or service failure.
 - iii. Support scalable load distribution for future expansion of services.
- f. Security & Compliance
 - i. Ensure seamless integration with the existing Next-Generation Firewall for perimeter security.
 - ii. Support TLS/SSL offloading and certificate management for secure web access.

- iii. Comply with the Government of India IT security guidelines and best practices.
- g. Integration with Existing Infrastructure
 - i. Integrate smoothly with existing Core Switches, Wireless Controller, NGFW, and LDAP Server.
 - ii. Ensure centralized authentication and authorization across all IT services.
 - iii. Minimize changes required in the existing production environment.
- h. On-site warranty, Post-Warranty Maintenance, and spare parts support for all hardware, software, and accessories shall be available for the next 5-7 years. On-site service personnel should be available during the warranty & post-warranty. The proposed accessories, devices, servers, hardware, software, etc., should not have end-of-life in the next 3 years.

4. Scope of Work for the EOI

- a. The scope of work includes design and presentation of the proposed physical and IT infrastructure required for setting up on-premises web hosting, database, authentication, and storage solutions. Interested vendors may seek clarifications by sending their queries in a single email to queries@niperguwahati.in with the subject line: “*EoI Queries regarding Solution for On-Prem Web Hosting and Storage Solution*” marking copy to purchase@niperguwahati.in. Multiple queries should be consolidated into one email for an efficient response. Queries, if any, received after the indicated date will not be considered.
- b. Preparation and submission of a comprehensive Bill of Materials (BoM). The BoM should include all items, products, software, licenses, and solutions required for a complete turnkey implementation.
- c. Submission of detailed Technical Specifications of all proposed equipment, software, and the integrated solution, including make, model, version, and compliance with relevant standards.
- d. Installation, configuration, and integration of all hardware and software components, ensuring seamless compatibility with the existing infrastructure.
- e. Implementation of high-availability and load-balancing mechanisms for critical services, including web, database, and authentication servers.
- f. Preparation of system documentation covering architecture, network diagrams, configuration details, and standard operating procedures (SOPs).
- g. Conducting user acceptance testing (UAT) and performance benchmarking to validate the proposed solution.
- h. Provision of OEM warranty and support services for all equipment for a minimum of 5 years, with the option to extend support to 10 years.
- i. Ensuring compliance with Government of India IT security guidelines, open standards, and industry best practices.

5. Minimum requirements

Sl. No	Description	Qty
1	Web server for public site	2
2	Web server for intranet	1
3	Storage/Database Server	1
4	Radius Server*	0
5	Load Balancer	1/2
6	Backup Server with Automated Backup Software for incremental backup	1

* Radius Server needs to be implemented in the existing server space.

Important Points to consider

- ❖ The quantities mentioned above represent the minimum baseline requirements to ensure high availability, future scalability, and optimal performance.
- ❖ Depending on the solutions offered, the prospective bidders can suggest whether the quantities mentioned are sufficient or any changes in the quantities are required.
- ❖ Vendors/System Integrators may propose alternative solutions (e.g., virtualization, clustering, or hyperconverged infrastructure) that achieve or exceed the required objectives with a different hardware footprint.
- ❖ Any such alternatives must be supported with clear technical documentation, justifying how the proposed architecture meets the Institute's functional, performance, and reliability requirements.

6. Minimum Technical Specifications

The following specifications represent the minimum baseline requirements. Vendors may propose higher configurations or alternative architectures (e.g., virtualization, clustering, or hyperconverged infrastructure) provided that such solutions meet or exceed the performance, availability, and scalability requirements of NIPER Guwahati for the next 5-7 years.

1. Web / Application Servers

- a. Form Factor: Rack-mounted enterprise-grade server (1U/2U).
- b. Processor: Dual CPU sockets, minimum 20 core per CPU.
- c. Memory (RAM): Minimum 128 GB ECC DDR4/DDR5, expandable to at least 256 GB.
- d. Storage:
 - i. Minimum 2 × 960 GB SSD.
- e. Network: 2 × 10GbE ports with link aggregation and redundancy.
- f. Virtualization: Compatible with VMware, Hyper-V, KVM, or Proxmox VE (or equivalent open-standard virtualization platforms).

2. Database Server

- a. Same base configuration as Web Servers, with the following additional requirements:
 - i. Storage: Dedicated high-performance SSD storage (minimum 4 TB usable)
 - ii. IOPS Support: Optimized database workloads.

4. Load Balancer

- a. Hardware or Virtual Appliance.
- b. Layer 4 & Layer 7 load balancing.

- c. SSL offloading, health monitoring, and automatic failover.
- d. Support for both public-facing and internal applications.
- e. Vendor must ensure the proposed load balancer supports the Institute's traffic for the next 5-7 years, with adequate headroom for growth

5. General Requirements for All Servers

- a. Redundancy: Dual power supply (hot-swappable).
- b. Management: All servers must support remote management through IPMI or an equivalent standard-compliant interface for power control, hardware monitoring, and console access.
- c. Operating System Support: Compatible with both Windows Server and Linux (latest LTS releases).
- d. Warranty: OEM warranty of at least 5 years, with an option to extend it to 10 years depending on the institute's requirement.

7.1 Submission Guidelines

7.1.1 **Date & Time of Submission:** Interested vendors/System Integrators are required to submit their technical proposals in response to this EOI in sealed covers super scribed with the “CPPP Id” and “EoI No. NIPER-G/S&P/165/EoI-Web Hosting/2025-26 dated 12/12/2025” with the subject mentioned as: “On-Prem Solutions for Web Hosting, Intranet, Database, Radius, Backup Server with Load Balancers in NIPER-Guwahati” and addressed to the *Director, National Institute of Pharmaceutical Education and Research (NIPER)-Guwahati, SilaKatamur, Halugurisuk, Changsari, Kamrup, Assam-781101, INDIA.* The hard copy of technical proposals should reach this institute *on or before 9th January 2026 up to 2:00pm* and will be opened on the same day at **2:30pm**.

7.1.2 The submission should include:

- a. Detailed Bill of Materials (BoM).
- b. Technical specifications of all proposed equipment and solutions.
- c. Network and system architecture diagrams.
- d. Any additional documentation supporting compliance with functional and minimum requirements.

7.1.3 Vendors must submit only one consolidated proposal. Multiple submissions from the same vendor will not be considered.

7.1.4 Soft copies of the proposal should be submitted on the day of the presentation to the technical committee. Depending on the Number of proposals, the date for presentations may be extended to the next working day for the remaining bidders.

7.2 Timeline

Sl. No	Description	Dates
1.	EoI Publication	12 th December 2025
2.	Last date for submission of queries through email as mentioned in Sl. No. 4 (a)	26 th December 2025 up to 5:00pm
3.	Response to vendor queries	2 nd January 2026 up to 6:00pm
4.	Last Date for submission of hard copy of technical proposals	9 th January 2026 up to 2:00pm
5.	Presentation by vendors	Will be updated on the website

Important Points to consider

- a. Vendors must ensure their proposals are complete and compliant with the specifications and functional requirements.
- b. Incomplete proposals or proposals submitted after the deadline will be summarily rejected.
- c. Vendors are responsible for ensuring that their proposals are submitted to NIPER Guwahati by the specified date and time.
- d. All dates are indicative and may be modified at the discretion of NIPER Guwahati.

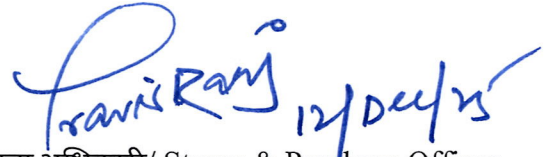
8. Bidders' eligibility criteria for participation in EOI

- a. The bidder must have a valid GST Registration and PAN Number.
- b. The bidder must be well acquainted with the working conditions of the Northeastern States of India and should be able to provide after-sales support on a 24/7 basis for a minimum of 10 years as per the requirements of NIPER Guwahati.
- c. As the proposed requirement, being related to communication and internal applications, any breakdown may have a serious effect on the day-to-day institute's activities and hence the institute desires to ensure prompt, efficient after-sales service. The prospective bidders are expected to have functional support infrastructure in the North-East regions. Provide the details of service support facilities and the time required for attending the service for resolving the issue, along with the information about their prestigious customers
 - i. In Guwahati city and around.
 - ii. In Assam State (Excluding information given at s.no 1 above).
 - iii. In the North-East Region (Excluding the information given at Sno. 1 and 2 above).
 - iv. The escalation matrix of the organization.
- d. The bidder must have proven integrity and moral conduct and should not have been blacklisted or debarred by any organization in India or abroad. A self-declaration to this effect, duly signed and stamped, must be submitted.
- e. The bidder should possess experience and a good understanding of the functions of reputed Government Educational Institutes such as IITs, IIMs, Central Universities, NITs, or equivalent institutes of national repute. The institute expects prior experience in establishing networks or data centre infrastructure in such institutions. Additionally, the bidder must provide at least **three projects** with reference to similar nature in the last **5 years**, with a minimum project value of **Rupees 100 lakhs**.
- f. The bidder must submit a valid Authorization Letter from the OEM(s) for all quoted products (both active and passive components), clearly mentioning the Tender/EOI Reference Number and Date.
- g. All passive network components should be supplied from a single OEM to ensure compatibility, uniformity, and better performance.

- h. The successful bidder shall be responsible for installation, configuration, and integration of all components as per the requirements of NIPER Guwahati. All supplied components should work seamlessly with the existing network, firewall, and Wi-Fi infrastructure. The vendor shall also assist in configuring the existing Core Switches and Wireless Controller to ensure smooth operation of the integrated system.

9. Important Instructions

- a. NIPER Guwahati reserves the right to shortlist vendors based on the technical proposals submitted and may seek additional clarifications or presentations if required. The Institute also reserves the right to modify, withdraw, or cancel this EOI at any stage without assigning any reason.
- b. This EOI is intended to identify capable vendors/System Integrators who can provide an end-to-end secure, scalable, and high-performance on-premises hosting and authentication solution, in line with the functional and technical requirements outlined herein.
- c. All proposals and communications in response to this EOI should be addressed to The Director, NIPER Guwahati, and will be treated as confidential.
- d. The tender, after finalization of specifications based on this non-committal EoI, will be floated through the GeM portal only.



भंडार एवं क्रय अधिकारी/ Stores & Purchase Officer