



Board of Secondary Education, Assam

Guwahati – 781 021

Objective : *The existing LAN of the office Building of SEBA become too old to cope-up with the situation and frequently giving problem. Since, every Department and every work of SEBA has been upgraded to online system so office is totally dependent on LAN and internet connectivity. Hence Authority has decided to replace the old LAN system with a new LAN in the office building.*

RFP Document

For the work of :

Design and implement of a reliable, secure, and high-performance Local Area Network (LAN) and Wi-Fi infrastructure for the Office building of Board of Secondary Education, Assam (SEBA). This setup has to support day-to-day operations, facilitate communication, and ensure data security.

Ref No: SEBA/IT/LAN/14/04/26

Date of Issue : 19/06/2024

Last date of Submission : 10/07/2024 up to 2.00 PM

Board of Secondary Education, Assam

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Board of Secondary Education, Assam

Notice Inviting of RFP Response

Date : 19/06/2024

Secretary, Board of Secondary Education, Assam invites RFP Response from Reputed Hardware and networking Consultancy Firms for installation of LAN in the office Building of Board of Secondary Education, Assam.

VENDORS having experience in Networking areas are invited. The detailed RFP document is available in Assam Govt.'s procurement portal <https://sppp.assam.gov.in> or SEBA's website <http://sebaonline.org> The response of Bidder shall to be submitted in hard copy along with the necessary supporting documents and Processing fee of Rs. 1000/- (One thousand) only (Non-refundable) and EMD fee of Rs. 50,000/- (Fifty thousand) only (Refundable) as per the date and time mentioned in the document.

This RFP document contains the scope of work, qualifying requirements, terms and condition, forms and procedure for submission of proposal for interested party. The Bidder submits a detailed technical and financial proposal (Two BID System) for the objectives set forth in this RFP document.

Sd/-
Secretary,
Board of Secondary Education, Assam
Guwahati - 781021

Board of Secondary Education, Assam

RFP Schedule

Sr. No.	Particulars	Date
1.	RFP Publish	19/06/2024
2.	RFP Document Download	19/06/2024
4.	Bid submission start date	24/06/2024 (From 11.00 AM)
5.	Last Date of Bid Submission	10/07/2024 (up to 2.00 PM)
6.	Technical Bid Opening	15/07/2024 (at 12.00 PM)
6.	Technical Demonstration	Bidders will be informed in time
	Commercial Bid Opening	Bidders will be informed in time

Submission Procedure:

- 1) All eligible/interested Bidders are required to download RFP documents from Assam Govt.'s procurement portal <https://sppp.assam.gov.in> or SEBA's website <http://sebaonline.org> and participate.
- 2) Bidders are requested to correspondence through e-mail boardassam@gmail.com for doubts/information/difficulty regarding submission of RFP response if any.
- 3) A non-refundable processing fee for Rs. 1000/- (Rupees One thousand only) in the form of a Demand draft drawn in favour of the Secretary, Board of Secondary Education, Assam (SEBA) payable at Guwahati has to be submitted along with the RFP Response. Bids received without or with inadequate processing fees shall be liable to get rejected.
- 4) Earnest Money Deposit (EMD) of Rs. 50,000/- (Rupees Fifty Thousand) only (Refundable)) in the form of a Demand draft to be drawn in favour of the Secretary, Board of Secondary Education, Assam (SEBA) payable at Guwahati has to be submitted along with the RFP Response..
- 5) Other instructions can be seen in the RFP document. All or any one of the bidder may be rejected by competent authority.

Board of Secondary Education, Assam

1. Pre-Qualification (Eligibility) Criteria:

SEBA invites RFP response only from experienced from Reputed Hardware and networking Consultancy Firms for installation and commissioning of LAN in the office Building of Board of Secondary Education, Assam.

- I. The Bidder shall be a single entity, registered as a Company, Firm or Society under respective acts in India and should have prominent presence in existence in Assam. The bidder must have local office registered in Assam, and operational for at least 7 years (Documentary proof of the office address with registration certificate and GST certificate must be provided)
- II. Two (2) nos. of similar work (supply, installation and commissioning of networking device or server or storage or firewall) with total minimum contract value of Rs. 50,00,000/- (Rupees fifty lakh only) or above in the last 5 financial years in Govt. PSU, PSB or any other reputed Institution. Work detail and contract value to be filled in the Form – C.
- III. The Bidder should have the presence in Indian IT Market at least from the last 10 years with registered Office and logistics facility for easy access and availability of upgrades in India to ensure the proper backend support for smooth execution of all Modules as mentioned.
- IV. The Bidder should have experience of more than 5 years in Hardware and Networking sector.
- V. The Bidder should be capable of delivering all the required items of the LAN system. No Subcontracting will be allowed.
- VI. **Following certificates are mandatory;**
 - (a) Company Registration
 - (b) The bidders must submit up to date GST clearance Certificate (GSTR -I/GSTR-38 as the case may be) & copy of GST registration have to be submitted.
- VII. Bidder must be CMMI (minimum Level 3), ISO 9001:2015, and ISO 27001: 2013 certified. (Valid copies of the same should be attached).
- VIII. The bidder should have experience in developing 1 project of worth Indian rupees not less than 50 Lakhs of similar nature (Supply and installation of server / System Integration/Network management system) from Govt./Semi- Govt./Autonomous/Education board/PSU organization or department in India during last 5 years. Work orders for such projects should not be issued earlier than 5 years prior to the date of submission of the said RFP..
- IX. The bidder must submit Income Tax Returns of past 3 years of the bidder from 2020-21, 2021-22, 2022-23
- X. The bidder must have average annual turnover of not less than 2 crores (CA Certified Turnover certificate required) of last three years.
- XI. The Company should be profit making for last 3 financial years. Certificate from CA stating the same is must.
- XII. The Agency shall have clean legal records or should not be blacklisted by any Govt. organization University /Education Board or nor debarred from bidding in any govt. organisation.

- XIII. Compliance to specifications of Managed Switches and other items (3 years SNTC from OEM)
- XIV. Three years' on-site support on call basis.
- XV. All the above claims by the Bidder should be supported by authentic documents and verifiable Certificates.

2. General Conditions:

- I. This Invitation for Bids is open to all eligible bidders.
- II. Selection of Bidder will be made purely on the basis of merit, past experience and reputation. As the work to be entrusted is of very sensitive and important in nature, merely quoting lower rates will not make the Bidder eligible for selection.
- III. **Bidder Experience:** The Bidder should have an ability to satisfy our requirements and should have an experience for similar kind of project in any Government Organization / PSU etc. The offer should accompany the Proof for the same in terms of supporting documents like Customer Purchase order copies, Past Experience and Past performance supporting documents clearly mentioning the Name of the customer, order value with Satisfactory Completion certificate issued by the customer for establishing the credibility of the Bidder.
- IV. Should have technically qualified and well-experienced strong in-house resource based on company role.
- V. There should be no overwriting in the bidder's offer. If required, striking out entries and writing afresh the bidder can make corrections. The initials of the bidder's authorized person and the seal of the bidder's company must verify each correction. All rates given in this RFP must be expressed as Unit Price as stated in Appendix. After award of the contract, if the bidder does not perform the work satisfactorily or delays the execution of the contract, Board of Secondary Education, Assam (SEBA) reserves the rights to cancel contract and get the balance contract executed by another party of its choice. In such case, no payment shall be remitted to the bidder and his EMD shall be forfeited.
- VI. **Cost of Bidding**
The Bidder shall bear all costs associated with the preparation and submission of its bid and SEBA will in no case be responsible or liable for these costs,
- VII. The Bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of its bid.
- VIII. **Late Bids :**
Any bid received by SEBA after the deadline for submission of Bids prescribed by the Board, will be rejected and/or returned unopened to the Bidder.

IX. Clarification of Bids

During evaluation of bids, the Board may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.

X. Contacting the Purchaser :

No Bidder shall contact SEBA on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded. If the bidder wishes to bring additional information to the notice of SEBA, it should do so in writing. Any effort by a Bidder to influence any official of SEBA in its decisions on bid evaluation, bid comparison or contract award may result in rejection of the Bidder's bid.

XI. SEBA's Right to Accept Any Bid and to Reject Any or All Bids

The Board of Secondary Education, Assam (SEBA) reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or Bidders.

XII. Authorized Signatory:

The 'Applicant' mentioned in the RFP document shall mean the one who has signed the RFP response document form. The applicant should be the duly Authorized Representative, for which a certificate of authority should be submitted. All certificates and documents (including any clarifications sought and any subsequent correspondence) received hereby, shall, as far as possible, be furnished and signed by the Authorized Representative. All the sheets and the forms submitted by the Bidder shall be signed by the person/persons duly authorized to sign on behalf of the applicants with affixing the applicant's rubber stamp.

XIII. Signing of Contract

At the same time as SEBA notifies the successful bidder that its bid has been accepted, the Board of Secondary Education, Assam (SEBA) will send the bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties. Within 7 days of receipt of the Contract Form, the successful bidder shall sign and date the Contract and return it to SEBA. If bidder fails to do the same, his EMD will be forfeited and next bidder will be called for agreement.

XIV. Delays in the Vendor's Performance

Delivery of the required modules shall be made by the vendor in accordance with the time schedule specified by SEBA. If at any time during performance of the Contract, the vendor should encounter conditions impeding timely completion of the project. The vendor shall promptly notify the Purchaser (SEBA) in writing about the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the vendor's notice, SEBA shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract.

3. Prices and Taxes:

Prices quoted by the Bidder should be inclusive of all types of taxes, Octroi, etc., complete and delivery at SEBA. The rates should be quoted inclusive of all Modules of the project.

4. Submission of FRP Response :

For the purpose of selection of the bidder, a two-stage bidding process will be followed. The response to the RFP should be submitted in two parts viz. Technical Bid and Commercial Bid, which must be submitted in separate sealed envelopes.

Technical bid should contain documents as per Form A

It is only when the information about the company in technical bid is found satisfactory; the commercial part will be opened.

Commercial bid should contain price of the System as per format supplied by the Board along with the RFP form, duly filled and signed by the authorized person.

Bidders may submit more than one financial proposal with different Brands of Networking Switches and Cables with different prices but the proposed brand should be certified by a competent Govt. agency (e.g. ISI etc.).

5. Evaluation of the Proposal :

Evaluation under Combined Quality Cum Cost Based System shall be carried out by following the criteria given hereunder;

Sr.No.	Criteria	Weightage (100%)
1	Technical Section	70%**
		(on Scale of 100)
	<ul style="list-style-type: none">• Bidder having experience more than 10 years in the field of Networking - 20 marks• Bidder having experience of up to 10 years in the field of Networking - 10 marks• Bidder having experience up to 5 years in the field of Networking - 5 Marks	30
	Past Experience of similar nature of work : <ul style="list-style-type: none">• Minimum 10 Assignment - 20• Minimum 5 and Less than 10 Assignment - 10• Less than 5 Assignment – 5• Less than 3 Assignment - 0	30
	Methodology, work plan and understanding of the project	15
	Demonstration of the System. (Weightage will be given for readiness of the product with reference to the user requirement)	15
	Professional Competence of the team members (Refer Annexure – I for details)	10
	Total	100
2	Cost Section	30%
	Estimated cost for the present assignment (Refer page no. - 11 of RFP for details)	30

****The minimum qualification marks in technical section shall be 60, interested agency shall have to achieve minimum of 60 marks out of the 100 marks (weightage 70%) to get qualified**

The envelopes containing the technical section shall be opened first and the scores will be given. The technical section will be allotted weightage of 70% while the Time-cost section will be allotted weightage of 30%. First 5 Bidders scoring high in the technical section shall be shortlisted. The time of proposal of those shortlisted Bidders shall be evaluated further. Proposal with the lowest cost will be given a financial score of 100. The Financial score of the other proposals will be computed by employing the formula LEC / EC , where LEC stands for lowest evaluated cost and EC stands for evaluated cost. The total score, both technical and financial, shall be obtained by weighing the quality and cost scores and adding them up. The proposal obtaining the highest total combined score in evaluation of quality and cost will be ranked as H-1 followed by the proposals securing lesser marks as H-2, H-3 etc. The proposal securing the highest combined marks and ranked H-1 will be invited for negotiations if required and can be recommended for award of contract.

For example:

As an example, the following procedure will be followed. In this particular case of selection the weightage of the technical bids and financial bids is kept as 70:30. In response to the Invitation for RFP, 3 proposals A, B & C are received and the technical evaluation committee awards them 75, 80 and 90 marks respectively. All the 3 proposals are, found technically suitable and their financial

proposals are opened. The bid evaluation committee examines the financial proposals and evaluates the quoted prices as under:

Proposal Evaluated cost

A. Rs. 120

B. Rs. 100

C. Rs. 110

Using the formula LEC / EC , where LEC stands for lowest evaluated cost and EC stands for evaluated cost, the committee gives them the following points for financial proposals:

A: $100 / 120 \times 100 = 83$ points

B: $100 / 100 \times 100 = 100$ points

C: $100 / 110 \times 100 = 91$ points

In the combined evaluation, thereafter, the evaluation committee calculates the combined and financial score as under:

proposal A : $75 \times 0.70 + 83 \times 0.30 = 77.4$ points.

proposal B : $80 \times 0.70 + 100 \times 0.30 = 86$ points.

proposal C : $90 \times 0.70 + 91 \times 0.30 = 90.3$ points.

The three proposals in the combined technical and financial evaluation will be ranked as under:

proposal A : 77.4 points : H3

proposal B : 86 points : H2

proposal C : 90.3 points : H1

Proposal C at evaluated cost of Rs.110 is, therefore, declared as winner and recommended for negotiations/approval, to the competent authority.

While the above procedures lay down the overall guidelines, Board of Secondary Education, Assam (SEBA) reserves the right to select the Bidder based on other parameters at its discretion.

6. Cancellation of Contract:

In case of any breach of any terms and conditions by the successful bidder / contractor, Board of Secondary Education, Assam (SEBA) reserves the right to cancel the agreement by giving 7 days notice to the Bidder.

7. Termination for Default

SEBA may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the vendor, terminate the Contract in whole or part at risk & cost of defaulting vendor:

- a. If the Vendor fails to complete any or all of the Modules within the period(s) specified in the Contract, or within any extension thereof granted by the SEBA, or
- b. If the Vendor fails to perform any other obligation(s) under the Contract, or
- c. If the Vendor, in the judgment of the SEBA has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this Clause:

"Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the bidding process or in contract execution.

I/We have read all the enclosed Terms and Conditions carefully and ready to accept and according to that I/We are submitting herewith the RFP.

Selection of Vendor:

1. The interested vendors may carry out the study of the requirements at their own cost, based on the Terms of Reference (TOR) of SEBA.
2. The interested vendor shall submit a detailed Technical and Financial Proposal as per the RFP document.
3. The technical proposals submitted by the vendor shall be evaluated by a Technical Evaluation Committee.
4. The short listed vendors will be required to give a detail demonstration of similar types of works undertaken by them earlier, on specified date as will be decided by the Secretary, Board of Secondary Education, Assam (SEBA), in consultation with the vendor.
5. The financial proposal of the short-listed vendors will be evaluated by the Evaluation Committee formed by the authority of the SEBA.
6. In the event of any dispute or differences in connection with the RFP the same will be subject to an arbitration of the Secretary, Board of Secondary Education, Assam (SEBA) and the same will be governed by the provision of Assam Industrial Dispute Rule, 1958.

Board of Secondary Education, Assam (SEBA)

A. Introduction:

About Board of Secondary Education, Assam (SEBA)

The Assam Secondary Education Act, 1961 (Assam Act, XXV of 1961) was passed to provide for the establishment of a Board of Secondary Education to regulate, supervise and develop Secondary Education in the State of Assam. The Act came into force with effect from 29th January, 1962 with the publication of Government of Assam, Education Department Notification no. 159/61/37 dated 29/1/1962. Thus the Board of Secondary Education, Assam (popularly known as SEBA) came into existence on 14 March, 1962.

SEBA intends complete the following modules with latest technology.

B. SCOPE OF WORK:

- ✓ Site Survey and Requirements Analysis
- ✓ Network Design
- ✓ Hardware and Software Procurement
- ✓ Installation and Configuration
- ✓ Security Measures
- ✓ Testing and Optimization
- ✓ Documentation and Training
- ✓ Maintenance and Support

1. Site Survey and Requirements Analysis

Conduct a thorough site survey to understand the building's layout, identify optimal locations for network equipment, and assess the current infrastructure. Gather requirements from key stakeholders to determine the necessary network capacity, coverage, and performance.

2. Network Design

2.1 LAN Design

Core Switches: Deploy high-performance, managed core switches in a redundant configuration to ensure network resilience.

Access Switches: Use managed access switches with PoE (Power over Ethernet) capabilities to support VoIP phones and other devices.

Cabling : Use Cat6 or higher cabling for data connections to support 10 Gbps speeds. Fibre Optic Cables for backbone connections.

Server Room: Establish a secure server room with proper cooling, power supply, and access control.

2.2 Wi-Fi Design

Access Points (APs): Deploy enterprise-grade APs (e.g., from Cisco, Aruba, or Ubiquiti) to ensure robust wireless coverage.

Placement: Strategically place APs to eliminate dead zones and ensure seamless coverage. Use heat maps for optimal placement.

SSID Management: Implement multiple SSIDs for different user groups (e.g., employees, guests) with appropriate VLAN segmentation.

3. Hardware and Software Procurement

Procure networking hardware (switches, routers, access points, cables, etc.) and necessary software (network management tools, security applications) from reputable vendors ensuring compatibility and scalability.

4. Installation and Configuration

4.1 LAN Installation

Install and configure core and access switches.

Ensure proper cabling and labelling.

Set up VLANs to segment network traffic.

4.2 Wi-Fi Installation

Install APs as per the design.

Configure SSIDs, security protocols (WPA3), and QoS settings.

Ensure seamless handoff between APs for mobile users.

5. Security Measures

Firewall: Deploy a robust firewall to protect against external threats.

Network Access Control (NAC): Implement NAC to authenticate and authorize devices on the network.

Encryption: Use WPA3 for Wi-Fi security and implement SSL/TLS for data encryption.

Monitoring: Set up continuous monitoring using Intrusion Detection Systems (IDS) and Intrusion Prevention Systems (IPS).

6. Testing and Optimization

Conduct extensive testing to ensure network stability, coverage, and performance.

Perform security audits and vulnerability assessments.

Optimize configurations based on test results.

7. Documentation and Training

Create detailed documentation covering network design, configuration settings, and maintenance procedures. Provide training sessions for IT staff on network management and troubleshooting.

8. Maintenance and Support

Offer ongoing support and maintenance services, including regular updates, security patches, and performance monitoring.

Establish a helpdesk for immediate issue resolution and support requests.

9. Budget Estimate

Provide a detailed budget estimate, covering hardware, software, installation, and ongoing maintenance costs. This should include:

Hardware costs (switches, routers, APs, cabling, etc.)

Software costs (licenses, network management tools, etc.)

Installation and labour costs

Training and documentation

Maintenance and support contracts

10. Timeline

Outline a realistic timeline for the project, including milestones for:

Site survey and requirements gathering

Procurement

Installation and configuration

Testing and optimization

Training and documentation

Final handover and go-live

Conclusion

This proposal outlines a comprehensive plan to establish a secure, reliable, and high-performance LAN and Wi-Fi infrastructure for Board of Secondary Education (SEBA) Building. Implementing this plan will enhance operational efficiency, improve communication, and ensure data security for all users within the building.

Technical Item Requirement and Description

Sl.No.	Minimum Specification	Offered Specification	Compliance & Remarks
01.	<ul style="list-style-type: none"> ➤ 24 gigabit Ethernet Ports with autosensing IEEE 802.at PoE +and IEEE802.af PoE Protocol Support ➤ 4 No's 1G SFP Uplink Ports ➤ Power Budget 370 Watts or Higher ➤ Fully L2 Managed Features with CLI and Web Based Management ➤ Throughput: 56 Gbps or Higher ➤ IPv4 & IPv6 Support ➤ Standard 802.1d Spanning Tree Support ➤ IEEE 802.3ad Link Aggregation Control Protocol (LACP) support ➤ Up to 4096 VLANs Simultaneously support ➤ Dynamic VLAN assignment via RADIUS server along with 802.1x Client authentication support ➤ Up to 990 static routes and up to 128 IP interfaces support 		
02.	<ul style="list-style-type: none"> ➤ Warranty 3 year from OEM with SNTC pack from OEM next business day replacement. 		

Note: Relevant datasheet/product brochure or any other documentation for establishing the compliance shall be enclosed with this annexure.

Annexure II: Specification of 24 Port SFP + Switch

Sl. No.	Minimum Specification	Offered Specification	Compliance & Remarks
	<ul style="list-style-type: none"> ➤ 24 SFP+ Ports with autosensing IEEE 802.at PoE +and IEEE802.af PoE Protocol Support ➤ 4 10 Gigabit Copper/SFP+ Combo Ports ➤ Fully L2 Managed Features with CLI and Web Based Management ➤ Throughput: 480 Gbps or Higher ➤ IPv4 & IPv6 Support ➤ Standard 802.1d Spanning Tree Support ➤ IEEE 802.3ad Link Aggregation Control Protocol (LACP) support ➤ Up to 4096 VLANs Simultaneously support ➤ Dynamic VLAN assignment via RADIUS server along with 802.1x Client authentication support ➤ Up to 990 static routes and up to 128 IP interfaces support 		
	<ul style="list-style-type: none"> ➤ Warranty 3 year from OEM with SNTC pack from OEM next business day replacement. 		

Note: Relevant datasheet/product brochure or any other documentation for establishing the compliance shall be enclosed with this annexure.

Annexure III: Specification of UTM / Next Generation Firewall

Sl. No.	Minimum Specification	Offered Specification	Compliance & Remarks
	<p>Features Required: Gateway Antivirus, Firewalls' & IPsec VPN, Web & Application Filter (DPI), IPS, TLS/SSL Inspection, Email & web Server Protection, SD Wan Features with Multi WAN Load balance & Failover based on parameter such as packet loss, jitter, latency etc., 3 years 24x7 Support from OEM</p> <p>Minimum Specification:</p> <ul style="list-style-type: none"> ➤ 8 Gigabit Ethernet Copper Ports, 2 X SFP fiber Ports, 1 x RJ45 MGMT, 1 x COM Micro-USB. ➤ Firewall Throughput: 30,000 Mbps or Higher ➤ IPsec VPN Throughput: 17,000 Mbps or Higher ➤ NGFW Throughput: 5,200 Mbps or Higher ➤ IPS Throughput: 6,000 Mbps or Higher ➤ TLS Inspection: 1,100 Mbps or Higher 		

***Note:** Relevant datasheet/product brochure or any other documentation for establishing the compliance shall be enclosed with this annexure.*

Annexure IV: Specification of Wi-Fi Access Point

Sl. No.	Minimum Specification	Offered Specification	Compliance & Remarks
	<p>Interfaces:</p> <ul style="list-style-type: none"> ➤ Uplink Gigabit Ethernet Port with PoE in Support (802.3af) ➤ DC Power Connector (12V) ➤ Reset/LED Control Button <p>Radios:</p> <ul style="list-style-type: none"> ➤ Dual radio for simultaneous dual-band operation ➤ 5 Ghz 802.11ac 2x2 MIMO for Up to 867 Mbps Wireless data rate with (Wi-Fi5) ➤ 2.4 Ghz 802.11n 2x2 MIMO up to 300 Mbps wireless data rate (Wi-Fi 4) <p>Antennas: Integrated down-tilt omni-directional antennas with maximum individual antenna gain of 3.3dBi in 2.4GHz and 5.8dBi in 5 Ghz.</p>		
	<p>WARRANTY & SUPPORT: 3 Year warranty with 24 x 7 Phone & remote support from OEM.</p>		

Note: Relevant datasheet/product brochure or any other documentation for establishing the compliance shall be enclosed with this annexure.

Annexure V: Specification of Cat6 UTP Cable

Sl. No.	Minimum Specification	Offered Specification	Compliance & Remarks
	<p> Conductor Gauge, singles : 23 AWG ANSI/TIA Category : 6 Cable Cable Type : U/UTP (unshielded) Conductor Type : singles Solid Transmission Standards : ANSI/TIA-568.2-D CENELEC EN 50288-6-1 ISO/IEC 11801 Class E Conductor Material : Bare copper I Insulation Material : Polyolefin Jacket Material : PVC Separator Material : Polyolefin Dc Resistance : maximum 7.61 ohms/100 m 2.32 ohms/100 ft Dielectric Strength : minimum 1500 Vac 2500 Vdc Mutual Capacitance at Frequency : 5.6 nF/100 m @ 1 kHz Nominal Velocity of Propagation (NVP) : 69 % Operating Frequency : maximum 300 MHz Operating Voltage : maximum 80 V Cable weight : 38.097 kg/km 25.6 lb/kft Remote Powering : Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A </p>		

Note: Relevant datasheet/product brochure or any other documentation for establishing the compliance shall be enclosed with this annexure.

Annexure VI: Specification of OFC Cable

Sl. No.	Minimum Specification	Offered Specification	Compliance & Remarks
	<ul style="list-style-type: none">➤ 6F Single Mode Uni Tube Armd OFC➤ Cable OD in mm 7.8+/-0.3➤ Loose tube construction: 6F➤ Armouring Steel Tape➤ Loose Tube (Gel Filled)➤ WEIGHT (KG/KM): 160 + 15➤ Outer Sheath in LDPE/MDPE/LSZH/ HDPE➤ STANDARD COMPLIANCE : TELECORDIA GR-20 IEC 60794 EIA/TIA ITU-T EN187000 RUS 1755.900 CPR ROHS		

Note: Relevant datasheet/product brochure or any other documentation for establishing the compliance shall be enclosed with this annexure.

Annexure VII: Specification of 24 Port Patch Panel

Sl. No.	Minimum Specification	Offered Specification	Compliance & Remarks
	<p>Identification : ID Plate: PVC, Transparent Color with Paper</p> <p>Panel : SPCC, 1.5 mm Thickness with Black Color Painted</p> <p>RJ45 Jack : Housing: ABS, UL 94v-0 Contact Brackets: PC, UL 94v-2 Transparent Color</p> <p>RJ45 Jack Contact : Material-phosphor Bronze with Nickel Plated Finish: 50 Micro-inches Gold Plated On Plug Contact Area</p> <p>IDC : Housing - PC+ Glass Fiber, UL 94V-2 Terminal: Phosphor Bronze with Tin Plated</p> <p>Jack Bracket Set : ABS, UL 94V-0</p> <p>Support Bar : SPCC, 1.5 mm Thickness with Black Color Painted</p> <p>Features : Fully Loaded with 24 Ports</p> <ul style="list-style-type: none"> •High Quality Metal Frame of SPCC 1.5mm Thickness •Compatible for Termination with 22-26 AWG, 4 Pair UTP Cable •Color-Coded Universal Labels Complying with T568A and T568B Wiring Schematics • Cable Management with 1.5 mm Thick SPCC Management Bar F 		

Note: Relevant datasheet/product brochure or any other documentation for establishing the compliance shall be enclosed with this annexure.

Annexure VIII: Specification of CAT6 UTP Keystone Jack

Sl. No.	Minimum Specification	Offered Specification	Compliance & Remarks
	<ul style="list-style-type: none">➤ RJ45 8P 8C 50u Jacks➤ Suitable for 22-26 AWG Stranded and Solid Wire➤ Compatible with Both 110 & Krone Punch Down Tool➤ Color Coded for T568A and T568B Wiring Schemes and Fit in High Density Keystone Patch➤ Complied with ANSI/TIA/EIA-5B8-C.2➤ UL Listed		

Note: Relevant datasheet/product brochure or any other documentation for establishing the compliance shall be enclosed with this annexure.

Annexure IX: Specification of LC / LC OFC Patch Cord

Sl. No.	Minimum Specification	Offered Specification	Compliance & Remarks
	<ul style="list-style-type: none">➤ Mode: Single Mode➤ Polish: UPC➤ Insertion Loss: ≤ 0.2dB➤ Return Loss: ≥ 50dB➤ Test Wavelength: 1310/1550nm➤ Operating Temperature: -20 ~ +70➤ Cable jacket: PVC, LSZH➤ Fire Resistant: IEC 60794-2-30➤ Standards-Compliant: ROHS, IEC and GR-326		

Note: Relevant datasheet/product brochure or any other documentation for establishing the compliance shall be enclosed with this annexure.

Please fill-up the FORMS in next three pages with utmost care

Form-A

Pre-qualification Criteria

Eligibility Criteria and supporting documents required for Submission of RFP Response:

Sl. No.	Eligibility Criteria	Supporting Document Required	Yes/ No and Deviation, if any
1	The Vendor shall be a single entity, registered as a Company, Firm or Society under respective acts in India and Should have been in existence in India for the last five years.	Self-attested copies of Company Incorporation Certificate or Registration Certification from ROC.	
2	The Vendor must be registered in India with appropriate tax authorities.	Self-attested Copies a) GST Registration c) PAN Card	
3	The Vendor has to submit Income Tax Return for last three years	Self-attested Copies of IT Return.	
4	The Vendor should have had an average business turnover As mentioned pre qualification criteria.	a) Self-attested Copies of Certificate from the Chartered Accountant of the Organization. b) Self-attested Copies of Audited Balance sheets for last three years.	
5	Should have technically qualified and well-experienced strong in-house resource based on company roles.	Resumes of key resources available on company roles. (With proper seal and Signature)	
6	Copies of Documents / purchase orders and letter of completion from customers for Similar projects completed.	Self-attested Copies of the major projects completed proving the experience as mentioned in Pre-Qualification criteria.	
7	The applicant should furnish an undertaking to the effect that the firm has not been black listed in India.	Undertaking document with proper seal and signature.	
8	Processing fee of Rs. 1000/- (non-refundable.)	Through Bank Draft address to the Secretary, Board of Secondary Education, Assam payable at Guwahati	
9	EMD of Rs.50,000/- (Refundable)	Through Bank Draft address to the Secretary, Board of Secondary Education, Assam payable at Guwahati	
10	Form A	Form A should be submitted on the company's letter head duly sealed and signed by the authorized person.	
11	Form B	RFP Letter Performa	
12	Form C	Details of experience	
13	Letter of Authorization	Authorizing signatory	

FORM B
RFP Letter Performa

To,

The Secretary,
Board of Secondary Education, Assam,
Guwahati - 781021

Sub : RFP for selection of vendor for Design and Installation of LAN in office Building.

Sir,

The undersigned having read and examined in detail all the RFP documents pertaining to your assignment-do hereby expresses the interest to do the work as specified in the scope of work in RFP document and agreed to all terms and conditions as specified in the scope of work in RFP document.

Sl. No	Description	Response
1.	Name of the Vendor	
2.	Address	
3.	Name, designation of the person to whom all references shall be made.	
4.	Telephone (with STD code)	
5.	Mobile No. of the contact person	
6.	E-mail of the contact person	
7.	Fax No. (with STD code)	

We have enclosed the required documents as per Form A.

I/We hereby declare that my/our RFP is made in good faith and the information contained is true and correct to the best of my/our knowledge and belief.

Thanking You,

Yours faithfully,

(Signature of the Applicant)

Name:

Designation:

Seal:

Date:

Witness by – Signature:

Name:

Address

Date:

Place

FORM-C

Important Note : The copies of work orders and satisfactory completion certificate from the customers shall be required to be submitted for all the references mentioned above. If required, you are free to attach extra sheets.

Sr. No.	Name of the Organization	Work Value	Completion Date
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

FORM-D

DECLARATION BY VENDOR TO BE SUBMITTED ON NON- JUDICIAL STAMP PAPER Rs.100.00/-

I/WE,.....owner
of representing
.....,

hereby solemnly declare & confirm that:

- (1) No employee or direct relation of any employee of SEBA, is anyway Connected as Partner/Share holder/ Director/ Advisor /Consultant/Employee etc. with the firm.
- (2) The information furnished is correct to the best of my knowledge and belief. If any information furnished by me is found to be false/ misleading, at any stage, my application/registration shall be liable for cancellation and forfeiture of EMD/Performance Guarantee/Security Deposit.
- (3) My/our firm has not been black listed by any institution of the Central/ State Government/any PSU/other institute etc. in the past.
- (4) I/We understand and authorize the BOARD to reserve the right to add/delete/alter any of the items to amend/add or any of the terms and conditions without assigning any reason (s) for the same.
- (5) The decision of the Board of Secondary Education, Assam (SEBA) shall be acceptable & binding upon me/us.

.....

(Signature of Proprietor/Partner /Chief Executive)

Name :

Date :

Place :

Proforma - I

Declaration regarding NON-Blacklisting

Date :

To,

The Secretary,
Board of Secondary Education, Assam
Guwahati - 21

Sub : RFP for selection of vendor for

Dear Sir,

In response to your RFP ref No. _____, as a Proprietor/Director/Owner of M/S _____, I/We hereby declare that our Company is not blacklisted by Government of India/Government of Assam or any other state government/union territory as well as there are no criminal cases against company and any of the board members.

Also our Company is having clean legal records. Also there are no open legal cases / petitions in any of the courts / high courts related to our service.

Thanking you;

Signature of Authorised Signatory with Name, Designation & Seal

Proforma - II

BIDDER'S AUTHORISATION CERTIFICATE

To,

The Secretary,
Board of Secondary Education, Assam
Guwahati - 21

Sub :

Dear Sir,

_____, is hereby authorized to sign relevant RFP documents on behalf of the Company in dealing with RFP of reference _____ dated _____. He is also authorized to attend meetings and submit Technical and commercial information as may be required by you in the course of processing above said RFP.

Thanking you,

The Specimen signature of the authorized person is as:-

AUTHORIZED SIGNATORY

Name :

Seal:

Commercial BID format

Commercial Bid Format

SL No	Item Description	Make	Ground Floor QTY	1st Floor QTY	2 nd Floor QTY	3rd Floor QTY	Total QTY	Unit	Unit Price	Total Price
1	15U 600 x 550 wall Mount Rack	NETRACK/RPC	2	2	3	0	7	No's		
2	45U 2 Port Open Rack	NETRACK/RPC	0	0	0	1	1	No's		
3	45U 6 Inch High Density Cable Organizer	NETRACK/RPC	0	0	0	1	1	No's		
4	24 Cat6 Port Patch Panel Loded	Honeywell	4	4	6	0	14	No's		
5	Firewall With 3 Years xstream License	Sophose	0	0	0	0	1	No's		
6	24 Port L2 Managed PoE Switch with 4 x 1G SFP	Cisco	4	4	5	0	13	No's		
7	24 Port SFP+ L3 Managed Switch	Cisco	0	0	0	1	1	No's		
8	1G SFP Transreiver	Syrotech	8	8	10	15	41	No's		
9	Wi-Fi Access Point	Aruba	3	6	4	1	14	No's		
10	6 Port LIU Loded	Syrotech	2	2	3	0	7	No's		
11	24 Port LIU Loded	Syrotech	0	0	0	4	4	No's		
12	RJ45 Keystone	Honeywell	50	60	100	14	224	No's		
13	Dual face Plate	Honeywell	25	30	50	7	112	No's		
14	Back Box	Honeywell	25	40	50	7	122	No's		
15	1U Horizontal Cable Manager	NETRACK	12	12	18	6	48	No's		
16	6 Core Aurrmoured OFC	Finolex	0	0	0	0	2000	MTR		
17	23Awg Cat6 Roll	Honeywell					7320	MTR		
18	2 Inch Caching	AKG/RICHA					600	MTR		

19	1.5 Inch Cashing	AKG/RICHA							600	MTR	
20	1 Inch Casing	AKG/RICHA							500	MTR	
21	.75 Inch Casing	AKG/RICHA							200	MTR	
22	LC To LC Patch Cord Duplex	Syrotech	4	4	5	24			37	No's	
23	Alluminum Partation								200	SQFT	
24	Raised Flooring								100	SQFT	
25	Cat 6 Cable Laying Charge Including Casing Caping								7320	MTR	
26	Rack Installation Charge								7	No's	
27	Splicing Charge		12	12	18	96			138	No's	
28	Installation and Commissioning with 3 year onsite Support.									1 Job	
Grand Total											

N.B. : Bidders may submit more than one financial proposal with different Brands of Networking Switches and Cables with different prices but the proposed brand should be certified by a competent Govt. agency (e.g. ISI etc.).

Commercial BID format

(Only for reference, to be submitted in Company's Letter Head)

Sr. No.	Description	Offered Price
1.	As per the Item List, The bidder is to quote rate per unit which also includes installation and commissioning.	
2.	As per the scope of work and Item List, Bidders are requested to offer the price for the whole project which includes (1) above and cost of monitoring and onsite support for 3 years	
	Grand Total	

(Cost submitted by the Bidder should be inclusive of GST and other Taxes).

(Seal and Signature of
Proprietor/Partner /Chief Executive)

Name :

Date :

Place :

__***