



National Institute of Plant Health Management
Department of Agriculture & Cooperation
Ministry of Agriculture
Government of India



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Rajendra Nagar,
Hyderabad – 500 030
<http://niphm.gov.in>

F. No. NIPHM/ICT/13/NW/2014-15/15

Dated: 30.09.2014

To

**(The tender document is also being uploaded on the NIPHM website <http://niphm.gov.in> and the other prospective bidders can make use of the document down loaded from the website)*

Sub: - Limited Tender for “Providing Networking facility at New Hostel” – reg.

* * *

Sir/Madam,

National Institute of Plant Health Management (NIPHM) **invites ‘Sealed Bids’ under ‘Two Cover System’ from the reputed manufacturers/distributors/authorized dealer/agents for providing Networking facility at New Hostel.** Detailed terms and conditions and list of items required may be downloaded from the NIPHM website <http://niphm.gov.in>

The schedule of receipt and opening of quotations is as under:-

Last date and time for receipt of bids	::	16:30 hrs on 16 th October, 2014.
Date & Time for opening of bids	::	17:00 hrs on 16 th October, 2014.

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Registrar I/c



National Institute of Plant Health Management
Department of Agriculture & Cooperation
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रा व स्वा प्र सं
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RETENDER DOCUMENT

FOR

PROVIDING NETWORKING FACILITY

AT NEW HOSTEL

Note:

1. The bidders are requested to sign on all the pages.
2. This tender document can be downloaded from website – <http://niphm.gov.in>
3. The tender document is to be put in a cover which should also be sealed & superscribed “TENDER FOR PROVIDING NETWORKING FACILITY AT NEW HOSTEL”

TABLE OF CONTENTS

Sl. No.	Description	Page No
1	Preamble of Tender	2
2	Check List	3
3	Salient Features of the Tender	4
4	General Instructions	4
5	Eligibility Criteria	6
6.	Scope of work, Terms of Supply and Price Bid Validity	6
7	Submission of Tender	7
8	Opening of Tenders	9
9	Tender Evaluation Criteria	9
10	Acceptance of Tender	10
11	Rejection of Tender	10
12	Payment of Security Deposit	10
13	Terms of Payment	10
14	Details of Bidder's Profile/Part 'A	11
15	Technical specification– Annexure II	12
16	Details of Price Bid/Part 'B' – Annexure – III	14
17	Format for Authorisation letter – Annexure –IV	15
	Format of Under taking – Annexure - V	16

1) **Preamble of Tender**

National Institute of Plant Health Management, an autonomous Institute under Ministry of Agriculture, Govt. of India is mandated to promote environmentally sustainable Plant Health Management Practices in diverse and changing agro-climatic conditions and provide policy support to Central and State Government on Plant Health Management, Sanitary and Phyto-sanitary issues and emerging bio-security challenges.

NIPHM is in the process of strengthening the infrastructure facilities of different Divisions. NIPHM invites '**Scaled Bids**' under '**Two Cover System**' from the reputed manufacturers/distributors/authorized dealer/agents for providing Networking facility at New Hostel **as enclosed at Annexure II.**

2. CHECK LIST

BIDDER TO FILL IN THE CHECK LIST GIVEN BELOW

(State YES/NO for each item)

Sl. No.	Details	YES/NO
1.	Whether the Technical Bid (envelope A) and Price Bid (envelop B) are submitted in separate covers and both the covers enclosed in a common envelop.	
2.	Whether Technical Bid (Envelope A) contains:	
	a) Pre-Qualification details as laid down in the Tender under Eligibility Criteria.	
	b) Technical Bid in the original Tender document and other supportive documents including leaflets/pamphlets.	
	c) Filled up and signed Technical Specification statement viz., Annexure I	
	d) Technical specification statement –Annexure - II	
	1. Letter of Authorization for signing the Tender document viz., Annexure IV & Under taking as per Annexure V	
	2. Audited Annual reports	
3	Whether Envelope-B contains: Filled up and signed Price Bid documents, viz., Annexure III	

NOTE: Please ensure all the relevant boxes are marked **YES/NO** against each column.

IMPORTANT NOTE: Tenderers must ensure that all the required documents indicated in the Tender documents are submitted without fail. Tenders received without supporting documents for the various requirements mentioned in the tender document are liable to be rejected at the initial stage itself.

3) SALIENT FEATURES OF THE TENDER

Tender For Providing Networking facility at New Hostel		
1	Tender inviting Authority , Designation and Address	The Registrar, National Institute of Plant Health Management, Rajendranagar HYDERABAD – 500 030. A.P. Phone No. 24015346/043/374 Telefax No. 24015346 Email : niphm@nic.in ; registrarniphm@nic.in Website : http://niphm.gov.in
2	a)Name of the Work	Providing Networking facility at New Hostel
	b)Tender reference	No. NIPHM/ICT/13/NW/2014-15/15
	c)Place of contract	NIPHM, Rajendranagar, Hyderabad – 500 030. A.P.
	d) Contract Period/validity period of Bids	Bid prices shall remain valid for the period of 90 days after the last date for bid submission. However, the purchaser reserves the right to seek consent for an extension of the period of validity. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive. And the Purchaser reserves the right to increase/decrease the quantity of goods, originally specified in the Schedule of Requirements.
3	Availability of Tender documents	Tender documents can be downloaded from http://niphm.gov.in at free of cost.
4	Earnest Money Deposit (EMD)	Bidders are exempted from Earnest Money Deposit.
5	Due Date, Time and Place of Submission of Tender	Up to 16.30 hrs on 16.10.2014 at the address mentioned in (1)
6	Date, Time and Place of Opening of Bidder's Profile-A	On 16.10.2014 at 17.00 hrs at the address mentioned in (1)
7	Other important criteria specified by the Tender Inviting Authority: <ol style="list-style-type: none"> 1. Eligibility Criteria: <ol style="list-style-type: none"> a) The firm should have at least 3 years similar work experience as on the last date of submission of the tender. b) The Annual Gross turnover of the manufacturer should be Rs.25.00 lakhs & for other bidders Rs.20.00 lakhs at least for one year during last three years. c) The firm should be registered under Income Tax Act. d) The firm should be registered under VAT. 	

4. GENERAL INSTRUCTIONS :

4.1 The Tenderers are requested to examine the instructions, terms & conditions and specifications given in the Tender. Failure to furnish requisite information in all respects may result in rejection of the bid. **Tenders received after due date and time shall be rejected.**

4.2 Clarifications in the Tender

- a) A prospective Tenderer requiring any clarification regarding the Tender may address the Tender Inviting Authority by letter or by Fax upto 48 hrs prior to the last date. NIPHM will respond in writing to any request for clarification in the Tender.
- b) The responses to the clarifications will also be notified on NIPHM's website <http://niphm.gov.in>

(please sign on each page)

4.3 Amendments to the Tender

- a) NIPHM may amend the Tender Conditions up to 2 days prior to the time fixed for receipt of the Tender.
- b) Amendment to the tender, in response to clarifications sought by prospective Tenderers, is solely at the discretion of NIPHM. Such amendments will be notified on NIPHM's website.
- c) NIPHM, at its discretion, may or may not extend the due date and time for the submission of bids on account of amendments. Extension of time will be notified on NIPHM's website.
- d) All the Tenderers are advised to periodically browse NIPHM website <http://niphm.gov.in> for any amendments or corrigenda issued in connection with this Tender. NIPHM will not be responsible for any misinterpretation of the provisions of this tender document on account of the Tenderers' failure to update the bid documents based on changes announced through the website.

4.4 The tender should be addressed to

The Registrar,
National Institute of Plant Health Management,
Rajendranagar, **HYDERABAD – 500 030. A.P.**
Phone No. 24015346/043/374 Tele Fax No. 24015346
Email : niphm@nic.in ; registrarniphm@nic.in ;
Website : <http://niphm.gov.in>

4.4 Any offer made in response to this tender when accepted by NIPHM will constitute a contract between the parties.

4.5 The supplier shall not be entitled to any increase in the rates

4.6 The agency shall not transfer or assign sub-contract to any other party.

4.7 **Corrections**, if any, must be **attested**. All amounts shall be indicated both in words as well as in figures. Where there is difference between the amount quoted in words and figures, amount quoted in words shall prevail.

4.8 The Price may be quoted either in **Indian Rupees or foreign currency**. NIPHM will provide duty exemption certificate towards foreign currency. If the rates quoted are in Indian Rupees, the same should be inclusive of all charges such as Octroi, packing, forwarding, insurance and loading, unloading, freight and clearance etc. and bidder should undertake to supply goods at NIPHM at his cost.

4.9 The tenderer shall also provide CST certificate in case the tenderer claims CST.

4.10 **Corrupt or Fraudulent Practices:** Bidders should observe the highest standard of ethics during the procurement and execution of such contracts.

“Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of public official in the procurement process or in contract execution, and

“Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

NIPHM will reject a proposal for award if it is found that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

5) **ELIGIBILITY CRITERIA:-**

The Tenderers should meet the following Eligibility Criteria for quoting the tender and the proof for the Eligibility should be provided in the Technical Bid.

Sl. No	Minimum Eligibility Criteria	Proof to be submitted for fulfilling the Eligibility	Page No. (s)
1	The Bidder shall be a manufacturer of the item or an Authorized Dealer/Agent	Registration Certificate of the Company or Dealer/Agent Certificate	
2	The firm should have at least 3 years experience in dealing/supplying such items as on the last date of submission of the tender.	Documents to prove that the company/firm has supplied such items in their business for 3 years.	
3	In respect of manufacturers gross annual turnover of Rs. 25 lakhs at least for one year during last three years In respect of authorized dealer, the turnover of the manufacturer will be taken into account. In respect of other bidders the annual gross turnover should be at least Rs. 20.00 lakhs (Rupees Twenty Lakhs only) at least for one year during last three years Turnover not applicable to registered suppliers with NIPHM/DGS&D/CRIDA-ICAR Units	Copy of Annual Accounts duly signed and attested by a Chartered accountant.	
4	The firm should be income tax assessee at least for a period of three years.	Self attested copies of the acknowledgments of Income tax returns and PAN Card of the firm should be enclosed.	
5	The firm should be registered under VAT.	Self attested copy of the certificate.	
6.	In case a bidder bids on behalf of more than one Manufacturer for different items, he should be a Authorized Dealer/Agent for those manufacturers.	Dealership/Agent Certificate from each manufacturer.	
7.	Earnest Money Deposit	Bidders are exempted from Earnest Money Deposit.	

6. **SCOPE OF THE WORK:-**

1. To supply quality products which substantially match the specifications laid down by NIPHM. The specifications of items offered shall be mentioned in the comparative statement vide Annexure – II.
2. The Bidder should provide Warranty for a minimum **period of 3 (three) years onsite comprehensive warranty** for products quoted. For defects noticed during the Warranty period, replacement/rectification should be arranged **free of cost within a month.**

3. The items to be supplied should be of standard quality and **termite free**.
4. Director General, NIPHM reserves the right to reject any or all the quotations received without assigning any reason whatsoever.

6.1 Terms of Supply:

The firm should supply the items **within 30 days** from the date of purchase order.

6.2 Price Bid Validity:

Bids shall remain valid for a period of 90 days after the last date for bid submission. However, the purchaser reserves the right to seek consent for an extension of the period of validity.

6.3 RATES AND PRICES

- a. Bidders should quote the rates in the format given Price Bid - Annexure – III. Incomplete bids will summarily be rejected. All corrections and alterations in the entries of tender papers will be signed in full by the Bidder with date. No erasing or over writings are permissible. Price quoted shall be firm and final.
- b. **Prices quoted should be for FREE DELIVERY at NIPHM, Hyderabad-500 030.**
- c. The percentage of sales tax/VAT, surcharge, if applicable and other levies legally leviable and intended to be claimed should be clearly indicated in the tender. Where this is not done, no claim on these accounts would be admissible later.

7. SUBMISSION OF TENDER:-

Submission of Tender: Two-cover system will be followed:

7.1 General Instructions:

- a) The Tender proposes two stage tender systems viz. **(1) Technical Bid** and **(2) Price Bid**.
- b) The bids should be submitted in two envelopes viz.
Envelope-A: Bidder Profile / PART – A (Annexure I)
Envelope-B: Price Bid/Price Bids / PART – B (Annexure III)
- c) Both the covers must be sealed separately and super scribed with Tender number, due date and Name of the Envelope on the respective covers. These two covers should be enclosed in a separate cover and addressed to the Inviting Authority i.e., Registrar, NIPHM, Rajendranagar, Hyderabad – 500 030.

7.2 Details to be furnished in the Envelope-A Technical Bid:

- a) Profile of the Company – stating whether the firm is partnership/registered under the Companies Act along with its necessary enclosures
- b) Technical specification statement – Annexure II.
- c) Authorization letter and undertaking (as per Annexures IV and Annexure V) from the Competent Authority of the Company to sign this Tender document. Documents received without such authorization will not be considered for further processing. This is not applicable if the proprietor signs himself as competent authority.
- d) The Tenderers should furnish the location with addresses and license details of the firm.

- e) The Tenderers shall furnish as part of the bid, documents establishing the Tenderers eligibility to bid and its qualifications to perform the Contract if their tender is accepted.

The documentary evidence of the Tenderer's qualifications shall be established to the satisfaction of NIPHM. However, the decision of Director General, NIPHM will be final in this regard.

7.3 Signing of Bids

Individual signing the tender or other documents connected with contract must specify whether he signs as:

i) A “Sole proprietor” of the concern or constituted attorney of such sole proprietor;

ii) A partner of the firm, if it is a partnership firm in which case he must have authority to execute on behalf of the firm.

iii) Director or a Principal Officer duly authorized by the Board of Directors of the Company, if it is a Company.

- a) The bids shall be typed or written in indelible ink and shall be signed by the Tenderer or a person or persons duly authorised to bind the Tenderer to the Contract. **Tenderers are requested to sign each and every page of the tender document including Annexure(s) attached thereto.**
- b) Any alterations, erasures shall be treated valid only if they are authenticated by full signature by the person or persons authorised to sign the bid. Tender documents should be free from over writing.

7.4 Details to be furnished in the Envelope-B i.e., Price Bid

Prices must be quoted only in the Price Bid Form (Please see the “**PART-B- PRICE BID – ANNEXURE III**”.

7.5 Mode of Submission:

- a) Both the Envelopes viz. **Envelope-A** and **Envelope-B** must be put in a single cover, sealed and must be super scribed “**Tender for providing Networking at New Hostel**.” It shall be addressed to The Registrar, National Institute of Plant Health Management, Rajendranagar, Hyderabad – 500 030. A.P.
- b) The Tender may be dropped in the Tender box kept at NIPHM office.
- c) Alternatively, the Tenders must reach NIPHM on or before the due date and time by registered post/courier. NIPHM will not be liable or responsible for Postal/Courier delay, if any.
- d) The Tenders received after Due Date and Time or Unsealed or incomplete shape or Tenders submitted by Facsimiles (FAX) or by Electronic mail will be summarily **rejected**.
- e) A Tender once submitted shall not be permitted to be altered or amended.

7.6 Service of Notice:

Any notice hereunder may be served on the Successful Tenderer by Registered Post at his last known address. Proof of issue of any such notice should be conclusive of the Successful Tenderer having been duly informed.

8. OPENING OF TENDERS

8.1 Tender Opening:

- a) Tenders will be opened at the prescribed date and time in the presence of Tenderers or their representatives who choose to be present. The representatives of Tenderers must bring the authorization letter from the bidding companies for attending the Tender opening. Not more than two representatives for each Tenderer would be allowed to take part during the bid opening process.
- b) **Envelope-A** containing Technical Bid would be opened first. Eligibility Criteria such as pre-qualification conditions will be checked and the supporting documents would be cross checked wherever required.
- c) Only the Technical Bid will be opened on the due date.
- d) The date, time and venue of opening the Price Bid will be intimated separately. The price bids will be opened at the appointed time in the presence of bidders who choose to be present.
- e) Tenders non compliant with any of the tender terms will **not** be considered for the next stage i.e. for opening of the Price Bid.

9. TENDER EVALUATION CRITERIA:

The evaluation of Tenders will be done by NIPHM as detailed below:

9.1. Technical Bid evaluation:

Tenderers will be eligible for further processing only if they fulfill the following criteria

- a) Compliance with the eligibility Criteria.
- b) Compliance with Technical and capacity requirements.
- c) The literature/pamphlets with specifications of the equipment quoted should be supplied along with the technical bid.
- d) A table comparing the NIPHM specification and with that of the firm's specification and remarks as per the enclosed annexure-II.

NIPHM will prepare a list of Tenderers whose bids are substantially responsive with the technical and capacity requirements as given in Tender form. The Tenderers who do not match eligibility criteria or which do not conform to the Technical Specifications shall be rejected. The Eligible Tenderers alone will be considered for further evaluation.

9.2 PRICE BID EVALUATION:

Opening of Envelope-B Price Bid:

Tenderers who are qualified in Technical Bid (Envelope-A) only will be called for Price Bid opening. The technically qualified Tenderers alone will be informed about the date and time of opening of the Price Bid and their Price Bids alone will be opened on the due date and time in the presence of the Tenderers or their authorized representatives who choose to be present. The contract will be entrusted to the Tenderer, whose bid has been determined as L1. L1 will be arrived after considering basis price, taxes and other charges, if any. As items are different, L1 will be arrived for each item separately. In case the L1 agency who has been awarded the tender fails to execute the contract, NIPHM will have the right to choose L2 and shall recover the excess cost from L1 as penalty for backing out after award of contract. NIPHM further reserves the right to take legal action to get such firms black listed.

10. **ACCEPTANCE OF TENDER**

- a) The final acceptance of the Tender is entirely vested with NIPHM which reserves the right to accept or reject any or all of the Tenders in full or in part.
- b) After acceptance of the Tender by NIPHM, the Tenderer shall have no right to withdraw his Tender and **Prices payable to the Supplier as stated in the Contract shall be firm and not subject to any adjustment during performance of the Contract.**
- c) The Tender accepting authority may also reject all the Tenders for reasons such as changes in the scope of work, lack of anticipated financial resources, court orders, accidents or calamities and other unforeseen circumstances.
- d) After acceptance of the Tender, NIPHM would issue Letter of Acceptance (LOA)/award the purchase order only to the Successful Tenderer. NIPHM also reserve the right to issue Purchase Orders to more than one Tenderer under rate contract. The letter of acceptance will include the details along with terms and conditions of the tender.

11. **REJECTION OF TENDER:**

NIPHM also reserves the right to reject/cancel the tender without assigning any reason thereof.

12. **PAYMENT OF SECURITY DEPOSIT (SD):**

- a. The Successful firm(s) shall require to deposit 10% of the order value as Security deposit/Performance Security either by means of demand draft or irrevocable Bank Guarantee obtained from any nationalized/commercial banks in favour of National Institute of Plant Health Management (NIPHM), Hyderabad which should be valid beyond 60 days from the date of completion of all contractual obligations of the supplier including warranty obligation. The security deposit will be released/discharged after 60 days of completion all contractual obligations of the supplier including warranty obligation

13. **Terms of Payment:**

Payment will be released within 15 days after supply of the items and issue of final certificate by the officer to that effect.

The Supplier/firm should submit the invoice in triplicate. The invoice should contain the Sales tax/VAT registration number and there should not be any overwriting/cuttings/corrections. An advance stamped receipt should be enclosed along with invoice.

14. Bidder's Profile- PART-A:-**Providing Network facility at New Hostel:**

1. THE FIRM a) Name b) Regd. Address c) Address for correspondence d) <u>Contact Person's</u> i) Name & Designation ii) Address iii) Tel. No. Landline & mobile iv) Email ID	
2. Type of Firm	Sole proprietor/Private Ltd/ Partnership/ co operative / Public Co. (Pl. tick and enclose copy of Memorandum/Articles of Association/ Certificates of Incorporation)
3. PAN/GIR NO. (please enclose photocopy)	
4. Sales Tax/VAT registration No. (please enclose photocopy)	
5. The annual gross turnover of the firm should be not less than Rs.25,00,000/- in case of manufacturer and Rs. 20,00,000/- for others at least for one year during last three years. 2013-14 2012-13 2011-12 (Pl. enclose copies of ITR/Audited balance sheet and P&L account etc.)	
6. Technical specifications supported by printed literature of the manufacturer, giving all the details of conformity and non conformity if any. Additional features if any with support. *	

* Detailed information in the form of printed brochures, catalogue, forms and formats and certificates be annexed.

Signature of authorised signatory

Name : _____

Designation _____

Seal :

15. Technical specifications:

S. No.	Item Description	Compliance Yes/No	Qty.
1.	<p>L3 Switch with 24 Port 10/100/1000 :</p> <p>Switch should be 19" Rack mountable and should be supplied with rack mount kit; Switch shall have 24 X 10/100/1000 GE Port; Should support 1G SFP based uplink, and should be populated with at least 2 no's of Multimode fibre module; Shall support of multicast routing, IPv6 routing in hardware, and access control list; console port based on USB & Rj-45 Ethernet ; Minimum of 216 Gbps Non-blocking switching bandwidth and forwarding rate of 71 Mbps; Switch shall have Redundant Power supply; Support for at least 16K MAC addresses & 4K IPv4 unicast routes; Should support at least 1K security ACEs; Support for Automatic Quality of Service for easy configuration of QoS features for critical applications; Security feature support - IEEE 802.1x, DHCP snooping, DHCP Option 82, Dynamic ARP Inspection (DAI); Port-based ACLs (PACLs) for Layer 2 interfaces to allow application of security policies on individual switch ports; Switch should support IEEE 802.1ae for layer 2; Ethernet data confidentiality and integrity on host facing ports; Switch should have support with static route, RIPv1 RIPv2, RIPng and OSPF for routed access routing protocols; Switch Should support Port Aggregation protocol (PAgP); Should support VRRP, and Multicast routing protocols; Switch should support Virtual trunking protocol(VTP),Should support Per-VLAN Rapid Spanning Tree protocol, Should support stacking features with 8 members in a single stack, Should support atleast 80G stack bandwidth, Should support Hibernation mode</p> <p>3 Years onsite Comprehensive Warranty</p>		1 No.
2.	<p>Ethernet layer2 Switch with 24 port 10/100/1000 :</p> <p>24 port 10/100/1000 Gigabit Ethernet port and 4 nos 1G SFP ports for Uplink; Should support at least 216 Gbps Switching bandwidth and 108Gbps Forwarding bandwidth; Switch should support packet forwarding rate at least 71 mbps; 128 MB Flash memory & 512 MB DRAM Memory; Should support optional dedicated Flexstacking-plus module for stacking the switches for easy operation & management; Should support 256 IPv4 security ACEs.</p> <p>General Specification support</p> <p>Support 255 Vlans; Should support 8 switches in a single stack using dedicated flex stacking-plus Port with 8G stack bandwidth; Dynamic Host Configuration Protocol (DHCP) auto configuration of multiple switches through a boot server; Should support separate VLAN for data & voice; Should support advance security features like Private VLANs, Multidomain authentication, MAC Address notification, STRG and IGMP filtering; Should support switch-port autorecovery features for automatically reactivate the disabled link; should support Up to 64 aggregate or individual polices on Gigabit Ethernet port; Should support STP, PVST & PVRST+(Rapid Per-VLAN spanning tree Plus) High-availability features; Should support 802.1Q VLAN standard; Should support Dynamic trunking protocol for facilitates dynamic trunking configuration across all switch ports; Any change in the VLAN configuration shall be propagated to all switches automatically using the central switch ; Should support Port Aggregation Protocol (PAgP) to automates the creation of Ether Channel groups to link to another switch or router; VLAN Trunking Protocol (VTP) pruning to limit bandwidth consumption on VTP trunks by flooding broadcast traffic only on trunk links required to reach the destination devices, should support hibernation mode, should have atleast 4MB Eegress buffer capacity, should support at least 16 static routes and 24 EtherChannel groups.</p> <p>3 Years onsite Comprehensive Warranty</p>		1 No.
3.	<p>Ethernet layer2 Switch with 48 port 10/100/1000 :</p> <p>48 port 10/100/1000 Gigabit Ethernet port and 4 nos 1G SFP ports for Uplink; Should support at least 216Gbps Switching bandwidth and 108 Gbps Forwarding bandwidth Switch should support packet forwarding rate at least 107 mbps; 128 MB Flash memory & 512 MB DRAM Memory; Should support optional dedicated Flexstacking-plus module for stacking the switches for easy operation & management; Should support 256 IPv4 security ACEs.</p> <p>General Specification support</p> <p>Support 255 Vlans; Should support 8 switches in a single stack using dedicated flex stacking-plus Port with 8G stack bandwidth; Dynamic Host Configuration Protocol (DHCP) auto configuration of multiple switches through a boot server; Should support separate VLAN for data & voice; Should support advance security features like Private VLANs, Multidomain authentication, MAC Address notification, STRG and IGMP filtering; Should support switch-port auto recovery features for automatically reactivate the disabled link; should support Up to 64 aggregate or individual polices on Gigabit Ethernet port; Should support STP, PVST & PVRST+(Rapid Per-VLAN spanning tree Plus) High-availability features; Should support 802.1Q VLAN standard; Should support Dynamic trunking protocol for facilitates dynamic trunking configuration across all switch ports; Any change in the VLAN configuration shall be</p>		1 No.

	<p>propagated to all switches automatically using the central switch ; Should support Port Aggregation Protocol (PAgP) to automates the creation of ether Channel groups to link to another switch or router; VLAN Trunking Protocol (VTP) pruning to limit bandwidth consumption on VTP trunks by flooding broadcast traffic only on trunk links required to reach the destination devices, should support hibernation mode, should have atleast 4MB Eegress buffer capacity, should support at least 16 static routes and 24 ether Channel groups.</p> <p>3 Years onsite Comprehensive Warranty</p>		
4.	<p>Access Point Technical Specification :</p> <p>Detailed Specifications of Access Points with Internal Antennas :</p> <p>Access Point should support 802.11n standard with 3x4 multiple-input multiple-output (MIMO) technology and three spatial streams; Should provides proactive, high-speed spectrum intelligence to combat performance problems due to wireless interference for a self-healing network; AP Should have 256MB DRAM and 32MB flash, Access point mounting Bracket Kit, Power Injectors 802.3af for AP 1600, 2600 and 3600 w/o mod</p> <p>Should have the following features:</p> <p>802.11n and 802.11a/g beam forming capability ; Maximal ratio combining (MRC); 802.11n and 802.11a/g beam forming; 20- and 40-MHz channels; PHY data rates up to 450 Mbps (40-MHz with 5 GHz); Packet aggregation: Aggregated MAC Protocol Data Unit (A-MPDU) (Tx/Rx), Aggregated MAC Protocol Service Unit (A-MSDU) (Tx/Rx); 802.11 dynamic frequency selection (DFS); Cyclic shift diversity (CSD) support; Status LED indicates boot loader status, association status, operating status, boot loader warnings, boot loader errors; Should have Client count/ Client Link client count as 200/128 Per Radio; Should have 4 dBi Internal Omni Antenna 360 degree horizontal beam width Antenna Should have followings: Video Stream; Band Select; Rogue access point detection; Adaptive wireless intrusion protection system (wIPS)</p> <p>Should support following Powering Options: 802.3af Ethernet Switch; Power Injectors; Local Power Supply; Should be supplied with power Injector for powering on the AP</p> <p>Multimedia: Should support Wireless Multimedia(WMM)</p> <p>Security Compliance:802.11i, Wi-Fi Protected Access 2 (WPA2), WPA; 802.1X; Advanced Encryption Standards (AES), Temporal Key Integrity Protocol (TKIP)</p> <p>IEEE Standard: IEEE 802.11a/b/g, IEEE 802.11n, IEEE 802.11h, IEEE 802.11d</p> <p>3 Years onsite Comprehensive Warranty</p>		10 Nos
5.	Compatible fibre Multi mode Module with proposed systems (1000base-SX SFP transceiver module MMF 850nm DOM)		2 Nos
6.	OFC Patch cords SC-LC 10 mtrs		4 Nos
7.	OFC Patch cords SC-LC 5 mtrs		4 Nos
8.	OFC Patch cords SC-SC 3 mtrs		6 Nos
9.	24 port LIU with loaded		3 Nos
10.	50 Micron CONNECTORS		52 Nos
11.	Information Out lets		3 Nos
12.	Singular Face plates		3 Nos
13.	SMB		3 Nos
14.	24 Port Patch panel		5 Nos
15.	cat-6 1 Mtr patch Chord		90 Nos
16.	cat-6 2 Mtr patch Chord		90 Nos
17.	PVC Pipe 2 " flexi (Mtrs)		15 Nos
18.	PVC casing/capping 40mm (Mtrs)		20 Nos
19.	100 * 50 MM Casing & capping (Mtrs)		4 Nos
20.	12U /500 MM Depth communication rack with 2 PDU's and front glass door and lock with 5A Horizontal Power manager- 1 no, Horizontal Power manager- 2 no's (total 8 nos of sockets), Mounting hardware (pack of 20)		1 Nos
21.	15U /500 MM Depth communication rack with 2 PDU's and front glass door and lock with 5A horizontal power manager-1 no, 5A Horizontal Power manager -2 no's (total 8 no's of socket), Mounting hardware (pack of 20)		3 Nos
22.	CABLE MANAGERS		6 Nos
23.	Complete Installation, Testing, and Documentation		

16. PRICE BID – PART-B

Name of the work: Providing Networking facility at New Hostel
(As per specifications mentioned at Annexure-II)

Sl. No.	Item Description	Quantity	Price Rs.	Sales Tax/VAT	TOTAL Amount (Rs.)

2. **Annual Maintenance charges** (for a minimum period of Three years) Rs. _____ after completion of the warranty period.

- NOTE:1) Items should be delivered and installed at NIPHM
 2) Sales tax/VAT should be indicated clearly.
 3) Prices should be quoted either in Indian Rupees or in Foreign Currency.
 4) The exchange rate in respect of Foreign Currency will be taken as follows:
 (a) Rate prevailing at the time of opening of tender in order to arrive L1.
 (b) The applicable exchange rates as above will be according to the TT (Telegraphic Transfer) selling rates of exchange as quoted by authorized exchange brokers approved by RBI.
 5) Payment to Indian agents towards commission, if any, will be released in Indian rupees after satisfactory installation of the equipment/item.

We are herewith undertaking that the details provided above are true and to abide by the terms and conditions contained in the bid document of NIPHM.

Signature of authorised official
 (With seal and stamp)

Name:
 Designation:

17. **FORMAT FOR AUTHORISATION LETTER**

To

The Registrar,
National Institute of Plant Health Management,
Rajendranagar,
HYDERABAD – 500030.
Andhra Pradesh.

Sir,

We hereby authorize _____ to submit a Bid and subsequently participate and sign the contract submitted against the Ref.: _____. We hereby accept his decision taken, if any, in this regard.

(Signature for and on behalf of the Company)

Place:

Date :

UNDERTAKING

- 1. I/We undertake that I/We have carefully studied all the terms and conditions and understood the parameters of the proposed supplies of the NIPHM and shall abide by them.*
- 2. I/We also undertake that I/We have understood “Parameters and Technical Specifications for making the supplies” mentioned in Annexure-II of the Tender dated _____ and shall make the supplies strictly as per these “Parameters and Technical Specifications for the supplies”.*
- 3. I/We further undertake that the information given in this tender is true and correct in all respect and we hold the responsibility for the same.*

Dated at

(Dated signature of Tenderer with stamp of the firm)