

Presidency University KOLKATA 86/1 Hindoo College (1817-1855), Presidency College (1855 - 2010)

# **TENDER NOTICE**

### Tender Notice No. : PU/ICT-Tender/2014-15/01

Dated: 5.1.2015

# Up-Gradation of existing E-Campus Network at Presidency University—an ICT Project.

Presidency University, Kolkata invites sealed bids from reputed ISO Certified on System Integration 9001:2008 **Original Equipment Manufacturers (OEM)/ their Authorized certified Distributors/Dealers** for up-gradation of existing E-Campus Network as per the annexure I.

Interested vendors are requested to send their sealed bids as per **Technical Specifications (Annexure-I & II)** and **General Terms & Conditions (Annexure-VI)**, along with details in the **Technical Bid Format (Annexure-III)** and signed **Declaration (Annexure-IV) under a T w o-Cover System.** 

Cover I (Technical Bid) should contain duly filled in & signed Technical Bid Documents. Annexure I, II, III, all required documents, two Demand Drafts in favour of Presidency University payable at Kolkata as per general terms and conditions (point 5 & 6 of annexure VI).

Cover II should contain the Price Bid in Annexure V. Both cover I & II should be contained in a Master cover super scribing the name of the job, tender notification no, date and addressed to, **The Registrar, Presidency University, 86/1, College Street, Kolkata-700 073.** 

Last date of submission is 21st January up-to 3 pm.

Opening of Cover I(Technical Bid) 21<sup>st</sup> January at 3:30 p.m.

Cover II will be opened if Cover I is found in order.

A checklist and compliance statement, fulfilling all requirements on the product and vendor profile and capability shall also be submitted.

The technical proposals submitted by the OEM/Vendors will be evaluated first by a technical committee and the price bids submitted by only the technically qualified OEMs/vendors will be opened for price comparison.

## **The Technical bids will be opened on 21<sup>st</sup> January at 3:30 p.m.** At the Office of **Registrar, Presidency University Kolkata**.



Copy to: 1. Institute website 2. Notice Board 3. Finance Officer 4. Sr. System Analyst 5. Office File

# <u>Annexure – I (Technical Specification)</u> <u>ACTIVE COMPONENTS:</u>

| Name of the Company | Whether certified by ISO on System Integration<br>9001:2008 or not (Yes/No) |
|---------------------|---|
|                     |   |

# **Technical Specifications:**

| SL.<br>NO. | Product<br>Description   | Make                               | Qty | Compliance | Brand Specified<br>by the<br>vendor**** |
|------------|--|------------------------------------|-----|------------|---|
| 1          | Fixed aggregation switch that<br>delivers best-in-class<br>scalability, simplified network<br>virtualization, and integrated<br>network services for space-<br>constrained environments in<br>campus networks. Delivers up-<br>to 800 Gbps of switching<br>capacity, capable of scaling up<br>to 1.6-Tbps capacity with the<br>VSS technology. Future-proof<br>investment with modular<br>uplink and auto-detect 10<br>Gigabit Ethernet and 1 Gigabit<br>Ethernet ports. 16 x 10 Gigabit<br>Ethernet Port switch with<br>optional module slot with dual<br>power supply. LAN Base image. | Cisco or<br>Equivalent<br>Product. | 1   |            |   |
| 2          | 3Yrs 8*5*NBD support<br>Stackable fixed port edge<br>switch:48 Gigabit Ethernet<br>ports with line-rate forwarding<br>performance  | Cisco or<br>Equivalent<br>Product. | 3   |            |   |
|            | • Gigabit Small Form-Factor<br>Pluggable (SFP) or 10G SFP+<br>uplinks  |                                    |     |            |   |
|            | • Flex Stack Plus for stacking of<br>up to 8 switches with 80 Gbps<br>of stack throughput (optional)   |                                    |     |            |   |
|            | • Power over Ethernet Plus<br>(PoE+) support with up to<br>740W of PoE budget  |                                    |     |            |   |
|            | • Reduced power consumption<br>and advanced energy<br>management features  |                                    |     |            |   |
|            | • USB and Ethernet<br>management interfaces for<br>simplified operations   |                                    |     |            |   |
|            | • Application visibility and<br>capacity planning with<br>integrated NetFlow-Lite  |                                    |     |            |   |

|   | <ul> <li>LAN Base with limited life<br/>time warranty</li> <li>Warranty duration: As long as<br/>the original end user continues<br/>to own or use the product.<br/>End-of-life policy: In the event of<br/>discontinuance of product<br/>manufacture, OEM, Warranty<br/>support is limited to five (5)<br/>years from the announcement of<br/>discontinuance.</li> <li>Hardware replacement:<br/>Replacement part for next<br/>business day delivery, where<br/>available. Otherwise, a<br/>replacement will be shipped<br/>within ten (10) working days<br/>after the receipt of the RMA<br/>request.</li> </ul> |  |    |  |
|---|--|--|----|--|
| 3 | 10 G Base- SR SFP Module   | Cisco or<br>Equivalent<br>Product<br>(Same<br>OEM of<br>Switch)  | 10 |  |
| 4 | 1000 BASE-SR SFP Module  | Cisco or<br>Equivalent<br>Product.<br>(Same<br>OEM of<br>Switch) | 8  |  |

#### FIBRE BACK BONES PASSIVE COMPONENTS:

| SL.<br>NO. | Product   | Description   | Qty | Compliance | Brand<br>Specified by<br>the vendor**** |
|------------|---|---|-----|------------|---|
| 1          | CommScope<br>(Systimax)<br>Or its Equivalent<br>Product | Fibre Shelf (LIU) – 24<br>Cores – Loaded with<br>Pigtail<br>2X12 LC Multimode,<br>Splice kit, Blank Panel | 4   |            |   |
| 2          | CommScope<br>(Systimax)<br>Or its Equivalent<br>Product | Fibre Optic Patch<br>Cord 10G Multimode<br>LC – LC  | 30  |            |   |
| 3          | CommScope   | Fibre Optic Patch   |     |            |   |

|    | (Systimax)<br>Or its Equivalent<br>Product  | Cord 10G Multimode<br>LC – SC                                   | 30                            |  |
|----|---|---|-------------------------------|--|
| 4  | APW/VALRACK   | <b>9U</b> Metal wall mount<br>Rack with standard<br>accessories | 2                             |  |
| 5  | ISI Non TATA<br>Medium  | 25 mm GI Pipe with G<br>I Wire and other<br>accessories         | 200<br>Meters<br>Approx<br>** |  |
| 6  | CommScope<br>(Systimax)<br>Or its Equivalent<br>Product<br>CAT 6 UTP Cable                                      |   | 1 BOX                         |  |
| 7  | CommScope<br>(Systimax)<br>Or its Equivalent<br>Product<br>CAT-6 Information<br>Outlet Face<br>Plate + Back Box |   | 8                             |  |
| 8  | CommScope<br>(Systimax)<br>Or its Equivalent<br>Product CAT-6<br>Mounting Cord 7 ft                             |   | 8                             |  |
| 9  | CommScope<br>(Systimax)<br>Or its Equivalent<br>Product<br>CAT-6 24 Port Jack<br>Panel                          |   | 4                             |  |
| 10 | CommScope<br>(Systimax)<br>Or its Equivalent<br>Product<br>CAT-6 Mounting<br>Cord 3 ft                          |   | 8                             |  |
| 11 | 25 mm PVC Casing<br>/pipe with accs.  | ISI   | 250Mtr<br>s<br>Approx<br>**   |  |

#### **INSTALLATION:**

| SL.<br>NO. | Description   | Qty                    | Compliance*** | Brand<br>Specified by<br>the<br>vendor**** |
|------------|---|------------------------|---------------|--|
| 1          | Laying of Fibre Cable   | 300 Meters<br>Approx** |               |  |
| 2          | Laying of G I Pipe  | 280 Meters<br>Approx** |               |  |
| 2          | Termination of Fibre Cable by Splicing, Fusion and LIU mounting   | 96 Core                |               |  |
| 3          | LIU Mounting & Fibre Dressing   |                        |               |  |
| 4          | Dismantling and shifting of<br>Existing network from old server<br>room (Derozio Building) to Data<br>Center (Baker Building) with<br>reinstallation of same. | LOT                    |               |  |
| 5          | Laying of UTP Cable   | 250 Meters             |               |  |
|            |   | Approx**               |               |  |

\*\* Bill is to be raised on the basis of actual quantity certified by the University Authority. \*\*\*Answer Yes/No comparing with the existing campus network. \*\*\*\*Brand Specified by the Vendor. \*\*\*\*\*FOC will be supplied by the University.

# <u>ANNEXURE – II</u> (Detail Technical Specifications of item no 1 & 2 in Annexure- I)

| 1.  |  |
|---|--|
| Product Number  | Description  |
| System  |  |
| Base System   | Front to Back Airflow:<br>• 16x10 GE SFP+/SFP - WS-C4500X-<br>16SFP+<br>Back to Front Airflow:<br>• 16x10 GE SFP+/SFP - WS-C4500X-F-<br>16SFP+ |
| Expansion Module (Optional)   | 8x10 GE SFP+/SFP - C4KX-NM-8SFP+   |
| Management Port   | 10/100/1000 Base-T   |
| USB Port  | Type A (storage and boot) up-to 4 GB   |
| Dual Power Supply   | Yes  |
| Field Replaceable Fans  | Yes (5 fans)   |
| Fan Redundancy  | No performance impact with single fan failure  |
| Scalability   |  |
| System Throughput   | Up to 800 Gbps   |
| IPv4 Routing in Hardware  | Up to 250 Mpps   |
| IPv6 Routing in Hardware  | Up to 125 Mpps   |
| L2 Bridging in Hardware   | Up to 250 Mpps   |
| Media Access Control (MAC) Entries                                      | 55K  |
| Forwarding Entries  | 32x10 GE Port Base SKU: IPv4: 256K,<br>IPv6: 128K<br>16x10 GE Port Base SKU: IPv4: 64K,<br>IPv6: 32K   |
| Flexible Netflow Entries  | 128K   |
| Switched Port Analyzer (SPAN), Remote Switched<br>Port Analyzer (RSPAN) | 8 line rate bidirectional sessions<br>(ingress and egress)   |
| Total VLANs   | 4094   |
| Total Switched Virtual Interfaces (SVIs)                                | 4094   |
|   |  |

| Product Number   | Description                                     |
|--|---|
| IGMP groups  | 32K   |
| Multicast routes   | 32x10 GE Port Base SKU: IPv4: 32K,<br>IPv6: 32K |
|  | 16x10 GE Port Base SKU: IPv4: 24K,<br>IPv6: 12K |
| Dynamic Host Configuration Protocol (DHCP)<br>Snooping Entries | 12K (DHCP snooping bindings)                    |
| ARP Entries  | 47K   |
| Spanning Tree Protocol Instances                               | 10K   |
| Jumbo Frame Support for Bridged and Routed<br>Packets          | Up to 9216 bytes                                |
| High Availability and Resiliency                               |   |
| High Availability Solution                                     | Virtual Switching System (VSS)                  |
| Number of stackable switches in VSS                            | Up to 2   |
| VSS Throughput   | Up to 1.6 Tbps                                  |
| Virtual Switch Link  | 1GE or 10GE                                     |
| Max number of Virtual Switch Links                             | 8   |
| In-Service Software Upgrade                                    | Across the switches                             |
| Nonstop Forwarding with Stateful Switchover                    | Across the switches                             |
| CPU and Memory   |   |
| Onboard Memory (SRAM DDR -II)                                  | 4 GB  |
| Port Buffers   | 32-MB Shared Memory                             |
| СРИ  | Dual Core 1.5 GHz                               |
| NVRAM  | 2 GB  |
| Optional External Memory (SD Card)                             | 2 GB  |
| QoS Features   |   |
| Port Queues  | 8 Queues/Port                                   |
| CPU Queues   | 64  |
| QoS Entries  | 128K (64K ingress and 64K in egress)            |

| Product Number   | Description   |
|--|---|
|  | Shared with ACL   |
| Aggregate Rate-Limiting  | Ingress port or VLAN and egress VLAN or Layer 3 port                            |
| Rate-Limiting Level Types  | Committed Information Rate (CIR),<br>Peak Information Rate (PIR)                |
| Aggregate Traffic Rate-Limiting Policers (1K=1024)                             | 16K   |
| Flow-Based Rate-Limiting Method; Number of<br>Rates                            | Supported using flow-records in the classification criteria and policing action |
| Qos Policy Enforcement   | Per Port or Per Vlan or Per Port, Per<br>VLAN Granularity                       |
| Class of Service (CoS)   | Yes   |
| Differentiated Services Code Point (DSCP)                                      | Yes   |
| Security Features  |   |
| Port Security  | Yes   |
| IEEE 802.1x and 802.1x Extensions  | Yes   |
| VLAN, Router, and Port ACLs  | Yes   |
| Security ACL Entries (1K=1024)   | 128K (64K ingress and 64K in egress)<br>Shared with QoS                         |
| Unicast Reverse Path Forwarding (uRPF) Check in<br>Hardware                    | Yes   |
| CPU Rate Limiters (DoS Protection) Includes<br>Control Plane Policing          | Yes   |
| Private VLANs  | Yes   |
| Micro Flow Policer   | Yes. Supported using flow records in the class-map                              |
| CPU HW Rate Limiters by Packet Per Second (pps)<br>and Bit Rate Policers (bps) | Supported in hardware control-plane policing (CoPP)                             |
| Control Plane Policing (CoPP) for Multicast                                    | Yes   |
| ACL Labels   | Yes   |
| Port ACL   | Yes   |
| Traffic Storm Control (formally known as                                       | Yes   |

| Product Number                         | Description            |
|--|------------------------|
| Broadcast/Multicast Suppression)       |                        |
| Virtualization Features                |                        |
| VRF-Lite Scalability                   | 64                     |
| Easy Virtual Network (EVN) Scalability | 32                     |
| Simplified Operations                  |                        |
| Smart Install                          | Smart Install Director |

| Standard   | Specification   |
|--|---|
| EMI and EMC Compliance                               | EN55022 Class A<br>ICES003 Class A<br>VCCI Class A<br>EN61000-3-2<br>EN61000-3-3<br>KN22 Class A<br>EN55024<br>EN300386<br>KN24 |
| Safety Certifications                                | UL 60950-1 Second Edition<br>EN 60950-1 Second Edition<br>IEC 60950-1 Second Edition<br>AS/NZS 60950-1                          |
| Industry EMC, Safety, and<br>Environmental Standards | GR-63-Core Network Equipment Building Systems (NEBS)<br>Level 3<br>GR-1089-Core Level 3   |

| Power Supply Feature                 | Specification                                    |
|--------------------------------------|--|
| AC Power Max Rating                  | 750W   |
| System Power Consumption             | 330W nominal/400W max                            |
| Input-Voltage Range and<br>Frequency | AC 100 to 240 VAC 50-60 Hz/DC -72 VDC to -40 VDC |
| DC Power Max Rating                  | 750W   |
| AC to DC failover and vice versa     | Yes  |

| Power Supply Feature                           | Specification   |
|--|---|
| Total Output BTU (Note:<br>1000 BTU/hr = 293W) | 1122 BTU/hr (330 W) nominal/1365 BTU/hr (400 W) max             |
| Input Current                                  | AC 11A @ 110VAC, 6 A @ 200VAC/DC 25A Max                        |
| Output Ratings                                 | 12V @ 62A & 3.3V @ 3A   |
| Output Holdup Time                             | AC = 16 ms; DC = 4 ms @ maximum load                            |
| Power-Supply Input<br>Receptacles              | AC IEC 60320 C15/DC Custom detachable screw terminal (supplied) |
| Power Cord Rating                              | AC 15A/DC 25A   |

# 2.

| Hardware Specifications         |   |  |  |  |
|---------------------------------|---|--|--|--|
| Flash memory128 MB for LAN Base |   |  |  |  |
| DRAM                            | 512 MB for LAN Base                     |  |  |  |
| СРИ                             | APM86392 600MHz dual core               |  |  |  |
| Console Ports                   | USB (Type-B), Ethernet (RJ-45)          |  |  |  |
| Storage Interface               | USB (Type-A) for external flash storage |  |  |  |
| Network Management<br>Interface | 10/100 Mbps Ethernet (RJ-45)            |  |  |  |

### Performance:-

|  | 2960-X LAN Base |
|--|-----------------|
| Forwarding bandwidth                             | 108 Gbps        |
| Switching bandwidth*                             | 216 Gbps        |
| Maximum active VLANs                             | 1023            |
| VLAN IDs available                               | 4096            |
| Maximum transmission<br>unit (MTU)-<br>L3 packet | 9198 bytes      |
| Jumbo frame - Ethernet<br>frame                  | 9216 bytes      |

| Standards | • IEEE 802.1D Spanning Tree Protocol                                    | • IEEE 802.3 10BASE-T     |
|-----------|---|---------------------------|
| Stanuarus |   |                           |
|           | • IEEE 802.1p CoS Prioritization  | • IEEE 802.3u 100BASE-TX  |
|           | • IEEE 802.1Q VLAN  | • IEEE 802.3ab 1000BASE-T |
|           | • IEEE 802.1s   | • IEEE 802.3z 1000BASE-X  |
|           | • IEEE 802.1w   | • RMON I and II standards |
|           | • IEEE 802.1X   | • SNMP v1, v2c, and v3    |
|           | • IEEE 802.1ab (LLDP)   | • IEEE 802.3az            |
|           | • IEEE 802.3ad  | • IEEE 802.3ae 10Gigabit  |
|           | • IEEE 802.3af and IEEE 802.3at   | Ethernet                  |
|           | • IEEE 802.3ah (100BASE-X single/multimode fibre only)                  | • IEEE 802.1ax            |
|           | • IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports |                           |

| Voltage (Auto ranging) | Current | Frequency  |
|------------------------|---------|------------|
| 100 to 240 VAC         | 9A-4A   | 50 to 60Hz |

#### ANNEXURE - III

#### **TECHNICAL BID DOCUMENT**

#### FORMAT TO BE FILLED BY THE MANUFACTURERS / INDIAN AGENTS (ON BEHALF OF THEIR FOREIGN PRINCIPLES) OR THEIR AUTHORIZED COUNTRY DISTRIBUTORS/ REPRESENTING DEALERS/ REGIONAL AGENCIES, SUBMITTING TENDER FOR UPGRADATION OF EXISTING E-CAMPUS NETWORK OF PRESIDENCY UNIVERSITY, KOLKATA

:

- 1. Name of the Tenderer
- 2. Status of the Tenderer : (attach documents, if registered company/partnership/sole proprietary)
- 3. Whether OEM/representing foreign principle : (Attach proprietary certificate of authorized from OEM)
- 4. Details of key top official/authorized official : (Attach details)
- 5. Details of tie-ups for supply/services, if any : (Attach details, agreements, escalation matrix)
- 6. Income Tax<sup>\*\*</sup> and Service Tax<sup>\*\*</sup> returns of previous three assessment year (copy) :
- Financial status of bidder and/or his associates including Annual Report & Balance Sheet/Statement of Account of past three years with Registration of Companies (ROC) receipts duly authenticated by Chartered Accountant :
- 8. Current list/address of clients where similar material Has been supplied and successfully working :
- 9. Name of the vendor's three largest clients, to whom similar products and services were extended & Amount of transaction/annual bills to such clients :
- 10. Name and address of Vendor's bankers and attach a Solvency Certificate from the Bank for a Minimum Amount of Rs 10 Lakh:

11. Income Tax\*\* Permanent A/c No. (Attach copy) :
12. Service Tax\*\* Registration no: (Attach the certificate)

#### 13. Details of EMD/Bank Draft No., issuing branch and date:

Certify that all above information are correct to the best of my/our information, knowledge and belief.

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Dated signature & seal of the OEM/Vendor

**NOTE:** This is to be submitted in a separate sealed envelope super scribing "TECHNICAL BID", Notice inviting Tender No. No. ....., dated: ..... and name of the bidder. All technical documents like literature, catalogues etc., are to be put in the same envelope. Price bid of that company/firm only will be opened which do technically qualify, for further consideration. Attach all relevant documents duly signed and sealed.

#### **ANNEXURE - IV**

#### **DECLARATION**

- I, ------ Son /Daughter of Shri ------ Proprietor/Partner/CEO/MD/Director/ Authorized Signatory of M/s. ----- am competent to sign this declaration and execute this tender document.
- 2. I have carefully read and understood all the terms and conditions of the tender and hereby convey my acceptance of the same.
- 3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.
- 4. I/ we/ am are well aware of the fact that furnishing of any false information/fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.
- 5. Each page of the tender document and papers submitted by my Company is authenticated, sealed and signed, and I take full responsibility for the entire documents submitted.

Signature of the Authorized Person

Date: -----

Full Name: -----

Place: -----

Company Seal: -----

# Annexure V COST FOR ACTIVE COMPONENTS: (Supply Only)

| SL.<br>NO. | Product<br>Description   | Make                               | Qty | Unit<br>Price | Tax** | Total<br>Amount |
|------------|--|------------------------------------|-----|---------------|-------|-----------------|
| 1          | Fixed aggregation switch that<br>delivers best-in-class scalability,<br>simplified network virtualization,<br>and integrated network services<br>for space-constrained<br>environments in campus<br>networks. Delivers up-to 800 Gbps<br>of switching capacity, capable of<br>scaling up to 1.6-Tbps capacity<br>with the VSS technology. Future-<br>proof investment with modular<br>uplink and auto-detect 10 Gigabit<br>Ethernet and 1 Gigabit Ethernet<br>ports. 16 x 10 Gigabit Ethernet<br>Port switch with optional module<br>slot with dual power supply. LAN<br>Base image.<br>3Yrs 8*5*NBD support | Cisco or<br>Equivalent<br>Product. | 1   |               |       |                 |
| 2          | Stackable fixed port edge<br>switch:48 Gigabit Ethernet<br>ports with line-rate forwarding<br>performance<br>• Gigabit Small Form-Factor<br>Pluggable (SFP) or 10G SFP+<br>uplinks<br>• Flex Stack Plus for stacking of<br>up to 8 switches with 80 Gbps<br>of stack throughput (optional)<br>• Power over Ethernet Plus<br>(PoE+) support with up to<br>740W of PoE budget<br>• Reduced power consumption<br>and advanced energy<br>management features<br>• USB and Ethernet<br>management interfaces for<br>simplified operations<br>• Application visibility and   | Cisco or<br>Equivalent<br>Product. | 3   |               |       |                 |

|   | <ul> <li>capacity planning with<br/>integrated NetFlow-Lite</li> <li>LAN Base with limited life<br/>time warranty</li> <li>Warranty duration: As long as<br/>the original end user continues<br/>to own or use the product.</li> <li>End-of-life policy: In the event of<br/>discontinuance of product<br/>manufacture, OEM, warranty<br/>support is limited to five (5)<br/>years from the announcement of<br/>discontinuance.</li> <li>Hardware replacement:<br/>Replacement part for next<br/>business day delivery, where<br/>available. Otherwise, a<br/>replacement will be shipped<br/>within ten (10) working days<br/>after the receipt of the RMA<br/>request.</li> </ul> |  |    |  |  |
|---|---|--|----|--|--|
| 7 | 10 G Base- SR SFP Module  | Cisco or<br>Equivalent<br>Product (Same<br>OEM of Switch)  | 10 |  |  |
| 8 | 1000 BASE-SR SFP Module   | Cisco or<br>Equivalent<br>Product. (Same<br>OEM of Switch) | 8  |  |  |

# COST FOR FIBRE BACK BONE (PASSIVE COMPONENTS) SUPPLY & INSTALLATION:

| SL.<br>NO. | Product   | Description   | Qty                      | Unit<br>Rate | Tax** | Total<br>Amount |
|------------|---|---|--------------------------|--------------|-------|-----------------|
| 1          | CommScope<br>(Systimax) Or<br>its Equivalent<br>Product                       | Fibre Shelf (LIU) – 24<br>Cores – Loaded with<br>Pigtail<br>2X12 LC Multimode,<br>Splice kit, Blank Panel | 4                        |              |       |                 |
| 2          | CommScope<br>(Systimax) Or<br>its Equivalent<br>Product                       | Fibre Optic Patch Cord<br>10G Multimode<br>LC – LC  | 30                       |              |       |                 |
| 3          | CommScope<br>(Systimax) Or<br>its Equivalent<br>Product                       | Fibre Optic Patch Cord<br>10G Multimode<br>LC – SC  | 30                       |              |       |                 |
| 4          | APW/VALRACK   | 9U Metal wall mount<br>Rack with standard<br>accessories  | 2                        |              |       |                 |
| 5          | ISI Non TATA<br>Medium  | 25 mm GI Pipe with G I<br>Wire and other<br>accessories   | 200<br>Meters<br>Approx. |              |       |                 |
| 6          | CommScope<br>(Systimax) Or<br>its Equivalent<br>Product<br>CAT 6 UTP<br>Cable |   | 1 BOX                    |              |       |                 |

| 7  | CommScope                           |     | 8       |  |  |
|----|-------------------------------------|-----|---------|--|--|
|    | (Systimax) Or                       |     |         |  |  |
|    | its Equivalent                      |     |         |  |  |
|    | Product                             |     |         |  |  |
|    | CAT-6 Information<br>Outlet Face    |     |         |  |  |
|    | Plate + Back Box                    |     |         |  |  |
| 8  | CommScope                           |     | 8       |  |  |
|    | (Systimax) Or its                   |     |         |  |  |
|    | Equivalent                          |     |         |  |  |
|    | Product CAT-6<br>Mounting Cord 7 ft |     |         |  |  |
|    |                                     |     |         |  |  |
| 9  | CommScope                           |     | 4       |  |  |
|    | (Systimax) Or                       |     |         |  |  |
|    | its Equivalent                      |     |         |  |  |
|    | Product                             |     |         |  |  |
|    | CAT-6 24 Port                       |     |         |  |  |
|    | Jack Panel                          |     |         |  |  |
| 10 | CommScope                           |     | 8       |  |  |
|    | (Systimax) Or                       |     |         |  |  |
|    | its Equivalent                      |     |         |  |  |
|    | Product                             |     |         |  |  |
|    | CAT-6 Mounting                      |     |         |  |  |
|    | Cord 3 ft                           |     |         |  |  |
| 11 | 25 mm PVC                           | ISI | 250Mtrs |  |  |
|    | Casing /pipe                        | 101 | 2301103 |  |  |
|    | with accessories.                   |     | Approx. |  |  |
|    |                                     |     |         |  |  |

# **INSTALLATION**

| SL.<br>NO. | Description   | Qty                   | Unit Rate | Tax** | Amount |
|------------|---|-----------------------|-----------|-------|--------|
| 1          | Laying of fibre Cable   | 300 Meters<br>Approx. |           |       |        |
| 2          | Laying of G I Pipe  | 280 Meters<br>Approx. |           |       |        |
| 3          | Termination of Fibre Optic Cable<br>by Splicing, Fusion and LIU<br>mounting with proper dressing.   | 96 Core               |           |       |        |
| 4          | Dismantling and shifting of<br>Existing network from old server<br>room (Derozio Building) to Data<br>Centre (Baker Building) with<br>reinstallation of same. | LOT                   |           |       |        |
| 5          | Laying of UTP Cable   | 250 Meters<br>Approx. |           |       |        |

\*\* Nature & Rate of tax to be specified.

### **GENERAL TERMS AND CONDITIONS**

#### (1) Important Dates

a) Last Date of Submission of Sealed Bids: 21<sup>st</sup> January 2015 up to 3 p.m. in the Tender Box kept at Purchase Cell of Main Building, Presidency University, Kolkata.
b) Date of opening of the Technical Bids: 21<sup>st</sup> January 2015 at 3:30 p.m.

- (2) **Payment Terms:** 90% Payment shall be made after successful installation and commissioning duly certified by the concerned Head of the Department.
  - a. Balance 10% may be released after 6months from the date of commission, provided that no defect will be found in the work done by the appropriate authority of the university.
  - b. No advance/mobilization support, is payable against supply of stores.
  - c. In the event of failure to deliver the stores beyond the specified date, liquidated damages @ 1% per month or part thereof in respect of the value of stores will be deducted, subject to a maximum of 5%; alternately the order will be cancelled and the undelivered stores purchased from elsewhere at the risk and expense of the vendor.

#### (3) Warranty/Guarantee & On-site skill support:

- a) Annexure I (for ACTIVE COMPONENTS ONLY).
  b) 20 years for PASSIVE COMPONENTS.
  c) Site Survey Certification (PASSIVE COMPONENTS) from OEM.
- (4) **Delivery of Stores:** The store items to be supplied within 40 days from the date of receipt of the Purchase Order.
- (5) Tender Fee: An Amount of Rs 1000.00 (Rupes one thousand only) as tender fee (non-refundable) is to be paid. The payment shall be made by Demand Draft from any Nationalized Bank and paid in favour of "Presidency University", payable at Kolkata. Bids without Tender Fee will not be accepted. This should be enclosed separately in an envelope and stapled with the Technical Bid document.
- (6) Earnest Money Deposit (EMD): An Amount of Rs 40,000.00 (Rupes forty thousand only) in the form of Demand Draft be enclosed along with the bid. The E.M.D. shall be from any Nationalized Bank and to be drawn in favour of "Presidency University", payable at Kolkata. The validity of the EMD should be 6 (six) months from the date of issue. Any bid without EMD will not be considered. This will be refunded to the unsuccessful vendors once the process of technical and price bid opening is complete. The EMD of vendor getting the purchase order will be retained and returned six months after successful completion of the work and treated as security deposit. No interest is payable on refunds. EMD shall be forfeited if the selected vendor accepts the supply order, but is unable to execute the same. E.M.D. should be enclosed separately in an envelope and stapled with the Technical Bid document.

- (7) Price: Price shall be filled in the following format in Annexure V. The price shall be quoted in Indian Rupees only, on free delivery at site basis. This shall be inclusive of all taxes, and summary cost of total implementation be indicated. Excise Duty Exemption/Custom Duty Exemption Certificate and Inter-state transit Way Bill (Form-50) will be issued only to the selected bidder as may be mentioned in the Purchase Order. The University have all rights reserved to split (active & passive components) the Purchase order, if required.
- (8) Bid: Cover I (Technical Bid) should contain duly filled in & signed Technical Bid Documents. Annexure I, II, III, all required documents, two Demand Drafts in favour of Presidency University payable at Kolkata as per general terms and conditions (point 5 & 6 of annexure VI).
  Cover II should contain the Price Bid in Annexure V. Both cover I & II should be contained in a Master cover super scribing the name of the job, tender notification no, date and addressed to, The Registrar, Presidency University, 86/1, College Street, Kolkata-700 073.Cover II will be opened if Cover I is found in order.
- (9) **Acceptance of Tender:** The Authority of PRESIDENCY UNIVERSITY, Kolkata does not bind itself to accept the lowest priced bid and reserves the right to reject any or the entire tender bids received without assigning any reason thereof.
- (10) **Extra Features:** If the bidder provides any other extra features on the Hardware or Software which are not mentioned in the tender product specifications, then that shall be highlighted in clear terms, with documentary evidence/literature.
- (11) **Compliance List:** The documents be properly indexed and a compliance list against the technical specifications should be provided.
- (12) Service:

a) Service for active components: as per Annexure I.

b) Service for passive components: call to be resolved within next business day.c) Authorized Service Partner should have sufficient storage of Spares for immediate replacement.

- (13) **Installation and Commissioning:** As per installation part in Annexure I the bidder must ensure timely installation of the passive components with necessary support to the indenters, as per details and lists to be made available by the Stores & Purchase Section or the indenting Departments. Any installation/commissioning work beyond Annexure I shall be free of cost.
- (14) The OEM/ Authorized Service Partner should be ISO certified company on System Integration 9001:2008.
- (15) **Conditional Offer** will not be accepted.
- (16) **Period of Validity:** Bids shall remain valid for acceptance for a period of 60 days from the date of opening of the price bid.
- (17) Past Performance of the Vendors will be judged at the time of Technical Evaluation.
- (18) **The Institute does not bind** itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the Technical Evaluation Committee of the Institute.

#### (19) **Bidders should** enclose the following documents:

- a. Certificate of Registration / Trade License
- **b.** Attested copy of PAN card, Service Tax\*\*, CST/VAT registration papers
- **c.** Audited statement of accounts and IT returns for the last three years
- **d.** Authorized Distributors/Vendors must submit appropriate authorization certificate and letter from their OEMs, for participation in the said tender.
- **e.** Name and address of past satisfactory supplies or minimum three clients to whom such items/stores have been supplied should be mentioned in the technical bid.
- **f.** Copy of mandatory test reports, national testing/reliability and endurance test reports etc., certified or conducted at the manufacturing site, granted by the bureaus/quality control departments/national testing laboratories.
- **g.** Copy of product literature, for which the prices have been quoted.
- **h.** A write up on service and maintenance capability, mitigation of risks or breakdown and replacement capability, with the escalation support matrix suggested for the Institute. Vendors must indicate their sales and support service centre in India and their plan to address issues about services, maintaining minimum service inventory etc.
- **i.** Signed copy of the tender document, with company seal, agreeing to the terms & conditions and declaration.
- (20) **All tenders are to** be submitted or handed over to the office of the Registrar ,PRESIDENCY UNIVERSITY, Kolkata and acknowledgement to be obtained. The bids (technical and price bids) once submitted shall be the property of the Institute and shall not be returned to the vendor in future.
- (21) **Opening of Price Bids :** The Price Bid(s) of only those vendor(s) who are found technically qualified will be opened and the same will be opened before the technically qualified vendor(s). **The date for opening of price bids will be notified separately.**
- (22) Tenderer or his/her authorized representative (with proper authorization letter for opening of technical bids and also for opening of price bids) may choose to be present at the time of opening of Technical Bids/Price Bids.

#### (23) IMPORTANT

- 1. University may accept or reject any or all the bids in part or in full without assigning any reason and does not bind to accept the lowest bid. The Institute at its discretion may change the quantity/upgrade the criteria/drop any item or part thereof at any time before placing the Purchase Order.
- 2. A bid submitted with false information will not only be rejected but also the OEM/vendor will be debarred from participation in future tendering process.
- 3. The OEMs/Vendors need to submit a certificate during opening of technical bids that they are not currently debarred or blacklisted in PRESIDENCY UNIVERSITY, Kolkata for any supplies, products or services, or at present in any national organization or educational institute/university.

4. In case of any dispute, the decision of this Institute shall be final and binding on the bidders.

#### 5. For any Technical details, contact

The Senior System Analyst Presidency University 86/1, College Street, Kolkata-700 073 E-mail: <u>sr.systemanalyst@presiuniv.ac.in</u>

> Sd/-**Registrar PRESIDENCY UNIVERSITY, Kolkata**