



TATA INSTITUTE OF FUNDAMENTAL RESEARCH

(Autonomous Institution of the Department of Atomic Energy, Government of India)

TIFR Centre for Interdisciplinary Sciences

21, Brundavan Colony, Gandipet Road, CBIT Post Office, Hyderabad-500 075

Phone: 040-2419 5029, Email: purchase@tifrh.res.in

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

TIFR Centre for Interdisciplinary Sciences

Public Tender Notice

Tender Reference No: TFR/PD/16-17/ICT/0022

Design, Supply, Installation and Commissioning of Active ICT Equipments for Campus Wide Wired and Wireless Networking at TIFR-TCIS, Hyderabad Fret-B Campus at Gopanpally, Hyderabad.

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

TIFR Centre for Interdisciplinary Sciences

Plot No.21, Brundavan Colony, Narsingi,

Hyderabad - 500 075.

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Tender Ref No: TFR/PD/16-17/ICT/0022

NOTICE INVITING TENDER

Sealed tenders are invited by TATA INSTITUTE OF FUNDAMENTAL RESEARCH CENTRE FOR INTERDISCIPLINARY SCIENCES, HYDERABAD from reputed, experienced & registered Organizations for **Design, Supply, Installation and Commissioning of Active ICT equipments for Campus Wide Wired and Wireless Networking at TIFR-TCIS, Hyderabad Fret-B Campus at Gopanpally, Hyderabad.** The detailed tender can be downloaded from <http://www.tifrh.res.in/tcis/contact-us/tenders.html>

Tender cost: Rs. 1500/- to be paid by DD/ BC in favour of “**TIFR Centre for Interdisciplinary Sciences**” (non-refundable) to be enclosed with technical bid. **Earnest Money Deposit: Rs. 2,40,000/- (Rupees Two Lakh Forty Thousand Only)** in the form of DD/BC from a Nationalized Bank and drawn in favour of “**TIFR Centre for Interdisciplinary Sciences Hyderabad**” and payable at Hyderabad (OR) Alternatively the EMD amount may be submitted in the form of Bank Guarantee from the Nationalized Banks in an acceptable form, remain valid for a period of forty-five days beyond the final bid validity period to be enclosed with technical bid.

Date for downloading of tender documents:

03-11-2016 to 08-12-2016 upto 13.00 Hrs.

Last Date & Time for submission of tenders:

08-12-2016 by 13.00 Hrs.

Date for opening of Technical Bids:

08-12-2016 at 15.00 Hrs. at the above address.

Administrative Officer

TENDER REFERENCE NO:	TFR/PD/16-17/ICT/0022
PUBLISHED ON:	04-11-2016
DUE DATE:	08-12-2016 by 13.00 Hrs.
PRE-BID MEETING:	17-11-2016 at 14.30 Hrs.
TENDER COST:	Rs. 1500/-
EMD AMOUNT:	Rs. 2,40,000/- (Rupees Two Lakh Forty Thousand Only)
TYPE OF TENDER:	Two Part

DESCRIPTION OF MATERIAL

S. No.	Description of Item	Qty.	UOM
1.	Design, Supply, Installation and commissioning of active ICT equipments for campus wide wired and wireless networking at TIFR-TCIS, Hyderabad Fret-B Campus at Gopanpally, Hyderabad. (Detailed specifications and requirements as per Attached Scope of Supply at Annexure A)	01	JOB

Closing time & date : **13.00 Hours on 08-12-2016**

Tender will be opened on date : **15.00 Hours on 08-12-2016**

Both Technical Bid (Part A) and Financial Bid (Part B) to be submitted within the due date and time in separate envelopes and marked on top as Part A and Part B. These two sealed envelopes should be further put in one Master Envelope super scribed with the Tender No., Due Date in Bold Letters.



Please see attached sheet for conditions of tender.

Important Instruction: The bids shall be enclosed in an envelope and sealed duly marked “**Tender for Design, Supply, Installation and Commissioning of Active ICT Equipments for Campus Wide Wired and Wireless Networking at TIFR-TCIS, Hyderabad Fret-B Campus at Gopanally, Hyderabad.**” Ref No. TFR/PD/16-17/ICT/0022, addressed to “**Administrative Officer**” at the address given below address. The bids are liable to be rejected if the sealed envelope is not addressed to “**Administrative Officer**” with Tender Ref No., Due date and Item Description. Offers delivered in person shall be delivered at the Security Gate at TIFR TCIS Hyderabad Office. If the bids are sent through courier/post, it should reach on or before submission Due Date and Time and TCIS will not be responsible for the delay. Tender submitted after 13.00 hrs. on due date 08-12-2016 will be rejected.

Pre-Bid Meeting: For information/technical details/clarifications required by the bidders, a Pre Bid Meeting will be held on 17-11-2016 at 14.30 Hrs. at TCIS, Transit Campus at Hyderabad and interested bidders are requested to attend the same. Bidders should bring authorization letter from their OEM to attend this Pre-Bid Meeting by mentioning the Tender Ref. Number TFR/PD/16-17/ICT/0022.

All the vendors/OEMs should email their pre-bid queries at least one week before the pre-bid meeting. Technical/commercial queries should be emailed to purchase@tifrh.res.in All the queries will be addressed only through the Corrigendum, which will be published in TIFR website.

1. Tender Cost:

Tender Cost **Rs. 1500/- (Non-Refundable)** to be paid by Demand Draft (or) Bankers Cheque (BC) from a Nationalized Bank and drawn in favour of "TIFR Centre for Interdisciplinary Sciences" payable at Hyderabad to be enclosed with the technical bid (Part A)

- 2. EMD: Earnest Money Deposit (INR) Rs. 2,40,000/- (Two Lakh Forty Thousand Only)** should be provided along with the technical bid in the form of Demand Draft(DD) (or) Bankers Cheque (BC) from a Nationalized Bank and drawn in favour of "TIFR Centre for Interdisciplinary Sciences", payable at Hyderabad. Alternatively the EMD amount may be submitted in the form of Bank Guarantee from the Nationalized Banks in an acceptable form, remain valid for a period of forty-five days beyond the final bid validity period.

The EMD will be returned back to the unsuccessful bidder at the earliest/after expiry of final bid validity. The EMD will be returned back to the successful bidder after submission of the Performance Security. The EMD shall be forfeited in the event of breach of contract by the contractor in term of contract/order. Tenders submitted without EMD shall be rejected.

The EMD may be forfeited:

- a) If the bidder withdraws the bid during the period of bid validity specified in the tender.
- b) In case a successful bidder fails to furnish the Performance Security/ Performance Bank Guarantee.
- c) If the bidder fails to furnish the acceptance in writing, beyond one week from award of contract/ order.
- d) The event of breach of contract by the contractor in term of contract/order

- 3. PART "A" (Technical Bid)** consisting of Technical Bid & Commercial Terms and **PART "B" (Financial Bid)** consisting of only Price shall be submitted in separate sealed envelopes duly superscribed with the tender enquiry number, and the due date in bold letters, addressed to the Administrative Officer, Tata Institute of Fundamental Research, 21, Brundavan Colony, Narsingi, Gandipet Road, Hyderabad-500 075.

The envelopes should be clearly marked on top as either PART "A" or PART "B". The two sealed covers should be further put in a master cover superscribed with the Tender Enquiry No., Due Date in bold letters, addressed to the Administrative Officer, Tata Institute of Fundamental Research, 21, Brundavan Colony, Narsingi, Gandipet Road, Hyderabad - 500 075. The sealed master envelop has to be delivered by hand/courier in the Tender Box in the security Gate Office of TIFR-TCIS, Hyderabad (address mentioned above) on or before 13.00 hrs. on the due date specified. The technical bid will be opened in the presence of attending tenderers at 15.00 hrs on the due date 08-12-2016 at Administration Section, TIFR-TCIS, Hyderabad. Tenders submitted after 13.00 hrs. on due date will not be considered and shall be rejected.

On the date of tender opening only the Technical Bids shall be opened in the presence of attending firms/bidders authorized representative. Firm's authorized representative should produce the firm's/bidder's authorized letter before tender opening for attending tender opening. The Technical Bids shall be evaluated subsequently and only the techno-commercially qualified shortlisted firms will be called for attending the financial bid opening. Intimation for attending the financial bid opening shall be sent to the short listed firms in advance.

In case the date of receipt or opening of tenders is declared a Govt. holiday then the tender will be received/ opened on the next working day at the same time.

4. In case the PART "A" and Part "B" bids are not sealed in separate envelopes the tender will be rejected.
5. The technical bid should not contain any indication of the price, failing which the tender shall be rejected.
6. **Validity of Bids:** Quotations must be valid for a period of 180 days from the date of opening of financial bid. Even though the date of opening of financial bid will be intimated to the technically qualified successful bidders, bidders to ensure the higher validity period. Bids with the shorter validity period are liable for rejection.
7. Conditional offers will not be considered.

Please read carefully-Instruction for the bidders and Scope of Supply.

The prospective bidders/firm should note that high quality of service is the essence of this contract.

A. Acceptance of Technical specifications mentioned in scope of Supply Annexure- A and terms and conditions of Tender. Tender document to be enclosed with Date, Signature and Seal in every Page.

B. Complete Technical details should be provided for the material/item offered (Specifications, Technical Parameters, etc.,)

Note: Technical team will examine the suitability of similar, specification based on the criteria stated in Scope of Supply in Annexure A

C. Details of Warranty Services as mentioned in Tender should be provided.

D. The following Annexures are part of the tender documents under reference:

1. Annexure – A – Scope of work.
2. Annexure – B – Schedule of Experience of last five years.
3. Annexure – C – Annual Turnover
4. Annexure – D – Technical Compliance Sheet
5. Annexure – E – Schedule of deviations from specifications/conditions
6. Annexure - F - Commercial Compliance Sheet
7. Annexure – G– Financial bid

The Bidder shall fill in Annexure B to F completely and submit them along with their technical bid (Part A). Fill Annexure G, Financial Bid and submit as (Part B).

E. Any other information the bidder would like to provide, it should be mentioned with Date, Signature and Seal.

F. The tender should be submitted in two sealed covers. This tender will be evaluated under two cover bid system as described above.

G. Conditional offers will not be considered.

I) The First Sealed cover – Cover I should be superscribed “Technical Bid” and should contain Annexures A, B and C duly accepted, signed by authorized signatory with seal. The DD/BC towards the tender fee and EMD should also be included in cover I.

II) The cover I shall also contain the following documents:

a) Company Profile including previous experience, Please attach copies of Work/Purchase Orders, Completion Certificate, etc. executed project of similar technology, scale value at Indian Organizations /Institutions. The bidder should have supplied to the Government or large Public Sector/Private Sector Organizations in India. Bidders should submit the satisfactory performance letter/ certificate from their Clients.

b) Acceptance of terms and conditions specified in these tender documents

c) Demand Draft/Bankers Cheque (BC) in lieu for Tender Cost/Earnest Money Deposit.

d) Latest **Solvency Certificate** obtained issued after **01-06-2016** by Nationalized bank for the minimum value of **INR 1.2 Crores** to be submitted along with technical bid. Failure in which the tender will be rejected.

e) Copy of valid PAN number issued by the Income-Tax Authority, Registration Certificate of the firm/agency/Company and proof of minimum 3 years experience.

f) The copy of audited financial reports/balance sheet /IT returns of the bidder for the financial year 2015-2016, 2014-2015, and 2013-2014 are required.

The bidder should have **Average annual sales turnover** minimum **INR 10 Crores** during three previous financial years ending March 31, 2016. (Proof of document to be submitted). The bidder should not have incurred any loss. Attach firm's last 3 years audited profit and loss balance sheet duly audited by C.A. Attach Annexure – C Annual Turnover during three previous financial years ending March 31, 2016 duly audited and certified by C.A.

- g) Duly filled technical bid with proper seal and signature of the authorized person (with name, designation & contact no.)
- h) A Copy of Un-Priced Financial Bid.
- i) All necessary catalogue/drawing literature/data and details of item(s) as are considered to be essential for full and correct evaluation of the bid shall accompany the bid.
- j) The bidder is to submit a CD/DVD/USB Port containing all the technical specifications (only technical specification) of the quoted equipment. (To be submitted off-line, before the last date and time of submission along with Tender).

III) The Second sealed cover – COVER II superscribed ‘Financial Bid’ should contain as per Annexure F.

The Above mentioned two Covers i.e., Cover-I & Cover-II shall be sealed individually on the outside with wax seal bearing the Logo/Name the Logo/Name of the company submitting the bid. These two covers shall be again put into a single wax sealed cover superscribed “**Design, Supply, Installation and Commissioning of Active ICT Equipments for Campus Wide Wired and Wireless Networking at TIFR-TCIS, Hyderabad Fret-B Campus at Gopanpally, Hyderabad**” This should be addressed to Administrative Officer, Tata Institute of Fundamental Research Centre for Interdisciplinary Sciences, 21, Brundavan Colony, Narsingi, Gandipet Road, Hyderabad - 500 075, India. The bid should be submitted before 13.00 Hrs. on 08-12-2016. The Technical Bid will be opened on 08-12-2016 at 15.00 Hours.

On the date of tender opening only the Technical Bids shall be opened in the presence of attending firms/bidders authorized representative. Firm’s authorized representative should produce the firm’s/bidder’s authorized letter before tender opening for attending tender opening. The Technical Bids shall be evaluated subsequently and only the techno-commercially qualified shortlisted firms will be called for attending the financial bid opening. Intimation for attending the financial bid opening shall be sent to the short listed firms in advance.



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Since TIFR TCIS is Deemed University and an Educational Institute, please consider for the necessary educational discount if any.

Due Date for submitting your offer is on or **before 08-12-2016 (13.00 hrs.)**.

Administrative Officer

Information to Tenderers:

The Tender shall be evaluated under Two Bid System.

I. Technical Bid.

II. Financial Bid.

Technical Bid Evaluation Criteria: Bidders should meet all the Requirements of Pre-qualification for bidding Technical Qualification Criteria, Scope of Work, Schedule of Experience, Annual Turnover, Technical Compliance Sheet Commercial Compliance Sheet for qualify for Financial Bid Opening.

Award of Contract: TIFR-TCIS shall award the contract to the eligible bidder whose bid has been determined as the techno commercially qualified lowest evaluated financial bid. If more than one bidder happens to quote the same lowest price, TIFR-TCIS reserves the right to award the contract to any lowest price bidder. Purchaser's Right to vary Quantities at the time of Award. TIFR-TCIS reserves the right at the time of award of Contract to increase or decrease the quantity of items specified in the Schedule of Requirements without any change in price or other terms and conditions.



TIFR Centre for Interdisciplinary Sciences

Hyderabad

Annexure -A

**Design, Supply, Installation and Commissioning of Active ICT
Equipments for Campus Wide Wired and Wireless Networking at
Fret-B Campus at Gopanpally, Hyderabad.**

INDEX

- 1) Preamble
- 2) Terms and conditions of the tender
- 3) Pre-qualification for bidder
- 4) Support and technical requirements
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- 8) Compliance section
- 9) Scope of work

1. Preamble:

TCIS (TIFR Centre for Interdisciplinary Sciences) is a premier research institute. To augment the institute's Information Technology (IT) infrastructure, we are floating this public tender. This public tender is for active ICT (Information and Communication Technology) equipment for deployment at TCIS campus, Gopanpally Village, Hyderabad - 500046.

Scope of work in brief: Consulting, Design, Supply, Installation, testing, training and commissioning of redundant campus network as specified. Civil works and statutory approvals if any, should be considered in the proposal.

2. Terms and conditions of the tender

- a) The successful bidder shall give an undertaking that internal IT infrastructure setup of TCIS shall not be disclosed to anybody.
- b) TCIS reserves the right to accept or reject any or all bids if the bids are not suitable technically.

3. Pre-qualification for bidder

Mandatory requirements for a bidder to qualify as a participant in this tender:

- a. The bidder and OEM should have executed at least three projects in India using the architecture and technologies similar/equal or greater scale value to those being proposed in their quotation against this tender.

In addition the OEM and partner should have successfully executed at least one project **together** in India.

- b. The bidder should have supplied to the Government or large Public Sector/Private Sector Organizations in India. Purchase order copies of the same must be submitted with the technical bid. Bidders should submit the satisfactory performance letter/ certificate from their

Clients, where they have done similar installations.

- c. All vendors participating in this tender must visit the TCIS site at Gopanpally for site survey and also meet with the TCIS IT team for detailed discussions and clarifications, if any before pre bid meeting.
- d. **All the mentioned active equipment including all Ethernet switching equipment, wifi equipment, NMS and optic fiber modules/transceivers must be from a single OEM. All cables and patch chords quoted for must be factory crimped.**
- e. In case the Bidder is a System Integration Partner of the Principal Manufacturer, a Certificate from the Principal Manufacturer clearly stating the relationship and level of partnership with the Partner and authorization to the Partner to quote for this Specific tender Inquiry is to be furnished. **One OEM can authorize two partners only and one bidder can represent only one OEM. OEM authorization letter should be submitted hard copy on OEM letter head quoting the tender reference number for which authorization is provided.**
- f. **One vendor can propose only one solution and the financial bid for the same should be submitted. Quoting of multiple solutions with multiple financial bids will result in the quotation being summarily rejected.**
- g. **The principal firm should have at least one service Center at Hyderabad. The company or tenderer should have OEM certified service engineers in the relevant field of quoted item. The firm should have at least one OEM certified engineer, stationed in Hyderabad.**
- h. All quotations submitted must follow the prescribed format for technical compliance as in document below. Failure to do so will result in the quotation being summarily rejected.
- i. Products offered should be supported for next five years from the date of installation.

- j. **The supplier should not be currently blacklisted by any corporate/central/state government department / public sector unit. Undertaking for the same should be furnished by the bidder.**

4. Support and technical requirements

- a) The proposed solution, hardware and software, shall have onsite warranty of five years (5) from the date of final signoff by TCIS. Release of new version of operating system, application, firmware, bug fix patches etc. for the supplied equipment should be patched / upgraded for stability and security of the system by supplier / OEM team. Supplier / OEM support team should advice and support this activity during the warranty period. The ordered application software shall be upgraded to new versions and new releases during the warranty period at free of cost.
- b) All supplies, hardware and software, shall have five years onsite support with OEM service window 8x5 (hrs x days), with NBD spare parts delivery. The supplier's technical team on 24x7 should register the service call and take immediate action. If need arises they should visit the site to resolve the problem. Problem diagnosis and spare parts ordering / initiating shipping from the supplier stock / OEM stock should be completed within 4 hrs of raising the service ticket. TIFR TCIS should have privilege to open service ticket directly on OEM support portal. Any configuration changes or enabling of built-in feature on the devices should be serviced by supplier's team / OEM during warranty period.
- c) After the warranty period, Supplier and OEM should provide call based support for the entire proposed solution till the end of its life.
- d) All equipment proposed shall be compatible for standard 19" IT rack installation. Necessary mounting brackets, railings, power chord etc. should be part of the proposal.
- e) The proposed hardware and software should be fully compliant to dual stack, IPv4 and IPv6, functioning from day one.

- f) Supplier should submit along with technical bid schematic of the proposed solution.
- g) Necessary software and licenses required to make the system work in dual mode (IPv4 and IPv6) should be part of the proposal. The complete system should work in active-active load sharing mode.
- h) The proposed solution should be compatible for data, voice, video and multimedia applications.
- i) The successful bidder should submit as-built installation documents, drawings / schematics of the complete system giving all details before handing over the system to TCIS.
- j) All active equipment / component proposed should be of enterprise / carrier class only. TCIS will have full right not to accept items which are not of enterprise class during evaluation and / or after supply.
- k) The PoE+ switches proposed will power industry standard 802.11 a/b/g/n/ac wireless access points (indoor and outdoor), VoIP phones and CCTV cameras. The PoE+ switch proposed should be able to fully support such devices.
- l) Supplier/OEM engineer should visit TCIS every 30 days and carry out proper hardware & software health check of network equipment, network infrastructure and submit report of the same to the IT in-charge.

5. Scope of work

1. Scope of Contract

1.1 The following annexure are part of the tender documents under reference:

- 1. Annexure – A – Scope of work.
- 2. Annexure – B – Schedule of Experience of last five years.
- 3. Annexure – C – Annual Turnover
- 4. Annexure – D – Technical Compliance Sheet

5. Annexure – E – Schedule of deviations from specifications/conditions
6. Annexure - F - Commercial Compliance Sheet
7. Annexure – G – Financial bid

The Tenderer shall fill in Annexures B, C,D,E,F,G completely and submit them along with their bids. All details and columns shall be filled, and if a particular column(s) in any annexure(s) does/do not apply, it may be indicated by saying why it is not filled (for e.g. 'no deviation', not applicable, not relevant, etc.) – leaving blank columns or a bare hyphenation will disqualify the bidders.

1.2 The details of rates for carrying out the work shall be indicated by the Supplier/Vendor in Annexure “G”. Bidders are requested to quote separately for the following each item:

- a) Core switch
- b) Access Switch with 48 port PoE+
- c) Access Switch with 24 port PoE+ switch
- d) Wifi Access Points
- e) Wifi Controller
- f) Network Management Software (NMS)
- g) Services - Deployment, configuration as per TCIS design and commissioning.

The Supplier/Vendor needs to do a site visit to check for feasibility and are advised to discuss with System Administrator to get more details on the requirements before submitting the Bids.

1.3 Once the Purchase order is issued, the Supplier will receive instructions from an TCIS Officer designated for this purpose (Officer -in-charge) or his authorized nominee and the supplier thereby undertakes to abide by his/her suggestions/instructions, etc. as regards services in this agreement.

1.4 Addition/alterations in scope of work: Any alteration or addition to the scope of work will be communicated to the supplier and the supplier shall carry them out. TIFR TCIS has right for any reduction / increase in the Scope of work during the time of deployment .



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Information to Tenderers

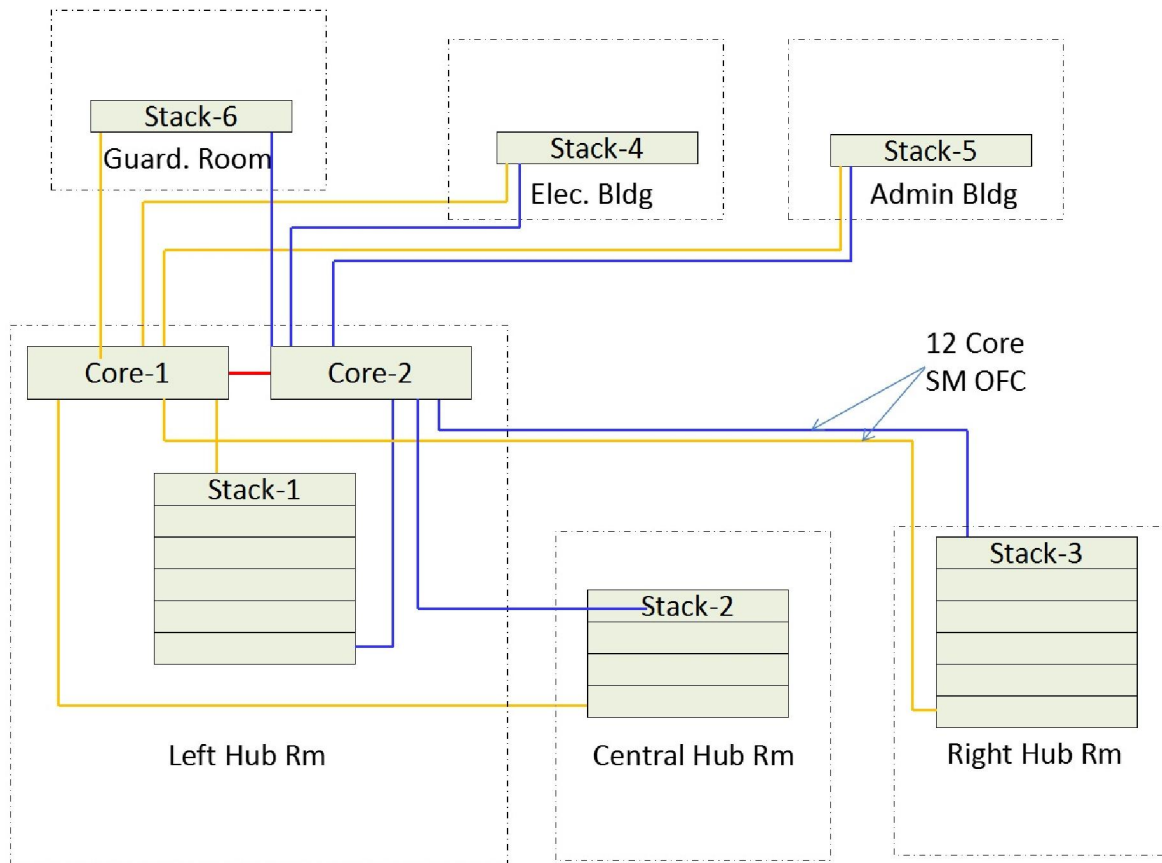
As a part of technical bid evaluation, after the opening of technical bids, all the bidders should present their proposed solution to the TCIS Project-in-charge/TIFR TCIS Official(s), which includes proposed methodology of the implementation, details, experience & expertise of deployment team. Presentation time - 20 Minutes

Tender Specifications

Annexure –A – Scope of Work

The scope of work includes the following

Network Topology WITH Port Count Location wise



Legend:

Admin Bldg – Administrative Building

Central Hub Rm – Central Hub Room

Elec. Bldg – Electrical services Building

Guard Room – Guard Room/Security Office

Left Hub Rm – Main Building Left wing Hub Room

Right Hub Rm – Main Building Right wing Hub Room



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Technical Specifications				
S.No	Item Description	Qty (Nos)	Compliance Yes/No	Remarks
1	Core Switch	2		
	Switch should support wire-speed Non blocking switching and routing performance at layer 2 and Layer 3 from Day 1 on All ports.			
	Switch Should be 1G, 10G, 40G from day 1			
	The Network Switch should have at least 48 no's of 1G/10G SFP+ ports and minimum 8 no's of 40G QSFP+ ports from Day 1			
	Switch should support Active-Active Switch Clustering like vPC or equivalent			
	Should be loaded with dual hot swappable, redundant load sharing AC power supplies to provide 1:1 power supply redundancy.			
	Switching Bandwidth: should support minimum 1.6 Tbps of			



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switching capacity.			
Should support minimum of 25,000 IPv4 routes in hardware.			
Should support minimum of 5,000 IPv6 route in hardware			
Should support both IPv4 & IPv6 static and dynamic routing protocols (BGP, OSPFv3, PiM-SM/SSM, and VRRPv6) from Day 1.			
Should support SDN compatibility			
Should support multicast routing protocols			
Should have traffic flow analysis based on Netflow/ sFlow/ Ipfix / equivalent			
Should have minimum 3K ACL entry support			
IPV6 Ready Logo from Day 1			
Should support packet buffer size of 12MB per switch			
OEM should have not announced the “End of Sale” and “End of Life” for the proposed product. A full set of associated cables and accessories as required to complete the solution must be provided with the switch			



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	A full set of associated cables and accessories as required to complete the solution (including rack mount accessories and power cables) must be provided with the switch			
	Operating Temp: 0° C to +45° C			
	Quoted Switch should Be NDPP Certified			
	Full fledge Layer 3 license -2Nos			
	40G DAC for ISL connectivity-2Nos			
	10G Single Mode Fiber SFP+ transceivers -24Nos			
	1000BaseT Copper transceivers-10Nos			
S.No	Item Description	Qty (Nos)	Compliance Yes/No	Remarks
2	Access Switch with 48 port PoE+ switch	17		
	Should support wire-speed Non blocking switching			
	Should have 48 ports of 10/100/1000 Mbps RJ45 PoE+ ports			



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	Should support 30W on all 48 ports (PoE+)			
	Should have 2 ports of 1G/10G SFP+ uplink ports			
	The Switch should support 16K MAC addresses and minimum 4096 VLANs			
	The switch should support SDN compatibility			
	Should support closed loop resilient stacking with at least 9 switches in a single stack			
	Should support minimum 80 Gbps stacking bandwidth per switch			
	Should support switching capacity of minimum 200 Gbps and throughput of 100 Mpps per switch			
	Should have 1Gb flash memory			
	Should have traffic flow analysis based on Netflow/ sFlow/ Ipfix / equivalent			
	Should support Layer 3 dynamic routing protocols like RIPng, OSPFv3 etc.. for future purpose			
	Operating Temp: 0° C to 45° C			



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	IPV6 Ready Logo from Day 1			
	Quoted Switch should Be NDPP Certified			
	48 Port PoE+ gigabit Switch -17Nos			
	10G Single Mode Fiber SFP+ transceivers -34Nos			
	80G stack module & cable minimum 17Nos			
	Certified redundant power supply			
	A full set of associated cables and accessories as required to complete the solution (including rack mount accessories and power cables) must be provided with the switch			
S.No	Item Description	Qty (Nos)	Compliance Yes/No	Remarks
3	Access Switch with 24 port PoE+ switch	4		
	Should support wire-speed Non blocking switching			
	Should have 24 ports of 10/100/1000 Mbps RJ45 ports			



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Should have 2 ports of 1G/10G SFP+ uplink ports			
Should support 30W on all 48 ports (PoE+)			
The Switch should support 16K MAC addresses and minimum 4096 VLANs			
The switch should support SDN compatibility			
Should support closed loop resilient stacking with atleast 9 switches in a single stack			
Should support 80 Gbps stacking bandwidth per switch			
Should support switching capacity of minimum 160 Gbps and throughput of 65 Mpps per switch			
Should have 1Gb flash memory			
Should have traffic flow analysis based on Netflow/ sFlow/ Ipfix / equivalent			
IPV6 Ready Logo from Day 1			
Should support Layer 3 dynamic routing protocols like RIPng, OSPFv3 etc.. for future purpose			



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	Operating Temp: 0° C to 45° C			
	Quoted Switch should Be NDPP Certified			
	24 Port PoE+ gigabit Switch -4Nos			
	10G Single Mode Fiber SFP+ transceivers -8Nos			
	80G stack module & cable minimum 4Nos			
	Certified redundant power supply			
	A full set of associated cables and accessories as required to complete the solution (including rack mount accessories and power cables) must be provided with the switch			
S.No	Item Description	Qty (Nos)	Compliance Yes/No	Remarks
4	Wifi Access Points	58		
	Access Points proposed must include radios for 2.4 GHz and 5 GHz with 802.11ac Wave 2.			
	Mounting kit should be standard from OEM directly.			



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High-speed spectrum intelligence across 20-, 40-, and 80-MHz-wide channels to combat performance problems due to wireless interference			
Must have 2x10/100/1000BASE-T autosensing (RJ-45) ports			
Internal or external antenna with antenna gains at least 3 dBi on 2.4 GHz and 5 GHz, Must support 4x4 multiple-input multiple-output (MIMO) with four spatial streams for 2.4G and 5G			
Must support simultaneous 802.11n on both the 2.4 GHz and 5 GHz radios.			
Must support 802.11ac Wave 2 on the integrated 5-GHz radio			
Must support data rates up to 300 Mbps 802.11n and 1.3 Gbps on 802.11ac respectively			
Must support at least 18dbm of transmit power in both 2.4Ghz and 5 Ghz radios.			
Should support WIPS, and spectrum analysis from day 1.			
The Wireless AP should have the technology to improve downlink performance to all mobile devices including one-, two-, and three spatial stream devices on 802.11n and 802.11ac. The technology			



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	should work without requiring feedback from clients and should work with all existing 802.11 clients.			
	Must support Proactive Key Caching and/or other methods for Fast Secure Roaming.			
	Access Points must support a distributed encryption/decryption model.			
	Access Points must support Hardware-based DTLS encryption on CAPWAP Standard or equivalent			
	AP that serves clients must be able to monitor the RF environment.			
	Should support mesh capabilities for temporary connectivity in areas with no Ethernet cabling.			
	Should support should support QoS for voice over wireless.			
	Should support 16 WLANs per AP or better for SSID deployment flexibility.			
	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility.			



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	Must support Power over Ethernet, local power (DC Power), and power injectors.			
	802.11e and WMM			
	Must support Reliable Multicast to Unicast conversion to maintain video quality at AP level			
	Must support QoS and Video Call Admission Control capabilities.			
	A full set of associated cables and accessories as required to complete the solution must be provided with the switch			
	Access Point should 802.11 DFS certified			
S.No	Item Description	Qty (Nos)	Compliance Yes/No	Remarks
5	Wifi Controller	2		
	Must be compliant with IEEE CAPWAP or equivalent for controller-based WLANs.			
	Should have at least 2 x 10 Gigabit Ethernet ports.			



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	Should support both centralized as well as distributed traffic forwarding architecture with L3 roaming support from day 1. Should have IPv6 ready from day one.			
	Controller should support minimum 8,000 Devices from day 1 and scalable up to 12,000 Devices			
	WLAN Controller should support minimum of 500 Access points in a single chassis from day1 and scalable up to 1000 Access Points.			
	Guest captive portal for wireless guest management with AAA/RADIUS support. It should Include Wireless Guest Access Provisioning for Allowing non-IT staff to create Guest account, Assign Time quota, generate temp password, print, email or SMS the information to the Guest user			
	Shall support WIPS, and spectrum analysis from day 1.			
	Should be rack-mountable. Required accessories for rack mounting to be provided.			
	Controller should support L2 and L3 roaming for IPv4 and IPv6 clients			



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Should ensure WLAN reliability by proactively determining and adjusting to changing RF conditions.			
Should support automatic radio channel adjustments for intelligent channel switching and real-time interference detection.			
Should support client load balancing to balance the number of clients across multiple APs to optimize AP and client throughput.			
Should support policy based forwarding to classify data traffic based on ACLs			
Should support flexible DFS to prevent additional 20/40 Mhz channels from going unused			
Must support coverage hole detection and correction that can be adjusted on a per WLAN basis.			
Must support RF Management with 40 MHz and 80 Mhz channels with 802.11n & 802.11ac			
Must support dynamic Airtime allocation on per WLAN, per AP, Per AP group basis.			
Should support port-based and SSID-based IEEE 802.1X			



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	authentication.			
	Should support MAC authentication to provide simple authentication based on a user's MAC address.			
	Controller Should support Rogue AP detection and WIDS/WIPS			
	Controller should be able to exclude clients based on excessive/multiple authentication failure.			
	Shall support AES or TKIP encryption to secure the data integrity of wireless traffic			
	Should support Public Key Infrastructure (PKI) to control access			
	Must be able to set a maximum per-user bandwidth limit on a per-SSID basis.			
	Should support SNMPv3, SSHv2 and SSL for secure management.			
	Should have Voice and Video Call Admission and Stream prioritization for preferential QOS should support application visibility			
	Controller should have profiling of devices based on protocols like			



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	HTTP, DHCP and more to identify the end devices on the network.			
	Proposed controller should support N+N redundancy from day one			
	Certified redundant power supply			
	A full set of associated cables and accessories as required to complete the solution (including rack mount accessories and power cables) must be provided with the switch			
S.No	Item Description	Qty	Compliance Yes/No	Remarks
6	Network Management Software (NMS)			
	The NMS should provide comprehensive network management solution for the Campus Network- Wired & Wireless.			
	The NMS should support Comprehensive Fault, Configuration, Accounting, Performance, and Security (FCAPS) management.			
	The NMS should support managing network-wide features such as Access Control Lists (ACLs).			



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	Rate Limiting Policies, Virtual LANs (VLANs), software and configuration updates, and network alarms and events.			
	The NMS should offer an intelligent Dashboard.			
	The Dashboard should provide detailed IP Inventory of devices which includes Device type, Firmware, Model, Location, etc.			
	Network topology discovery with Layer 2, VLAN, IP subnet, STP/RSTP, as well as multiple layout and sizing tools.			
	The ability to monitor active components from brands other than the OEM			
	Configuration management, including ability to store saved configuration on a remote server			
	Capability to generate alarms via Email to multiple id's.			
	Should not require additional licenses to unlock any extra functionality			
	The software shall have modular architecture supporting other software plug-ins to enrich the network's management capabilities. This shall include AAA/RADIUS Server, Network Access Control, Network Traffic Analyzer (using sflow /Netflow /			



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	equivalent), User Behavior Analysis etc			
	NMS should be able to manage the entire wired and wireless (equipment) solution proposed by the bidder in this tender			
	The NMS software shall be offered with an initial license for minimum 100 managed devices. Additional node licenses shall be available to extend the node limit.			
S.No	Item Description	Qty	Compliance Yes/No	Remarks
7	Services - Deployment, configuration as per TCIS design and commissioning.			
	All vendors participating in this tender must visit the TCIS site at Gopanpally for site survey and also meet with the TCIS IT team for detailed discussions and clarifications, if any.			
	Technical presentation should be given by the vendors and their deployment team to TCIS IT team after the technical bid opening.			
	Vendors/OEM should take inputs from the TCIS IT team for the deployment and configuration of switches			

IV. OTHER TERMS AND CONDITIONS OF THE TENDER

1. The technical bid should not contain any indication of the price.
2. Fax/Email/Telegraphic/Telex Tenders will not be considered.
3. The bidder should be registered under the Companies Act, 1956 or a registered firm. Registration certificate to be submitted.

4. Validity of Bids

Quotations must be valid for a period of 180 days from the date of opening of financial bid. Even though the date of opening of financial bid will be intimated to the technically qualified successful bidders, bidders to ensure the higher validity period. Bids with the shorter validity period are liable for rejection.

5. Bidder should provide Acceptance of Scope of Supply and Terms and Conditions specified in these tender documents along with technical bid.

6. Please attach copies of Purchase Orders, Completion Certificate, etc.

7. Tenders containing correction, overwriting will not be considered. Late or delayed/Unsolicited quotations/offers shall not be considered. Post tender revisions/corrections shall also not be considered.

8. Each page of tender document should be signed by the tenderers with rubber stamp of the firm affixed on each page. Unsigned bid with rubber stamp summarily rejected.

9. This tender document/form is not transferable. Only the party to whom the tender documents have been issued shall be entitled to quote.

10. No questions or items in the Annexures shall be left blank or unanswered. Where you have no details or answers to be provided a „NO“ or „NIL“ or „Not Applicable“ statement shall be made as appropriate. Forms with blank columns or unsigned forms will be summarily rejected.

11. Tenders who do not comply with any of the condition are liable to be rejected.

12. The Institute shall be under no obligation to accept the non-qualified /lowest or any other tender received in response to this tender notice and shall be entitled to reject any tender without assigning any reason whatsoever.

13. Rates offered should be mentioned both in figures as well as in words and offer should be typed or legibly handwritten. Over writing is not acceptable.

14. Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer.

15. The quotation should be only in Indian Rupees for indigenous bidder. In case where a bid is submitted by Indian Agent on behalf of his foreign principal, such bid should be supported with a letter of Authority from the principal that the Indian Agent has been authorized to submit the bid on behalf of the principal. The indigenous manufactures shall submit their bids directly.

16. Price :

i) **Import** : In case of foreign currency bids, the price criteria should be on FOB/FCA basis only. Though the comparison is made on FOB/FCA basis, the Bidders are required to provide the estimated Cost of Freight and Insurance up to Hyderabad (ie.) CIF Hyderabad.

ii) **Indigenous** : In case of INR bids the price criteria should be on F.O.R TIFR-TCIS, Hyderabad basis.

iii) The Price quoted shall be considered firm till the complete execution of order and no upward price escalation will be permitted at any situation. All details relating to price, price breakup, taxes, delivery term, Payment Term, mode of payment, mode of dispatch should be clearly mentioned.

iv) After arriving at final pricing of individual offers of all the short listed firms, the techno commercially qualified lowest firm will be awarded the purchase order.



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17. TIFR-TCIS is Exempted from paying of Custom Duty under the notification No.51/96 dated 23.07.1996, Excise Duty under the notification No. 10/97 dated 01.03.1997, for all procurements/supply meant exclusively for Educational, scientific and research purpose. Certificate in this regard shall be issued by TIFR.

18. **Taxes:** TIFR-TCIS does not have any exemption/concession on payment of Sales Tax/VAT and we are not authorized to issue any Sales Tax Form "C" & "D". Deduction of Indian Income Tax Deduction at Source: The Deduction of Indian Income Tax Deduction at source (TDS) will be deducted as per IT Act. The taxes at the time of actual utilization of service etc. will be deducted if applicable any.

19. Please provide TIN no. of the firm along with the CST/WCT No. allotted by the concerned authorities in your quotation.

20. The Techno commercially qualified bids of the firm's financial bid only will be opened on stipulated date and time to be communicated at a later date to the respective firm.

21. Bidders should meet all the Requirements of Pre-Qualification, Scope of Supply as per Annexure A, Supply Order Details of the item to other firms (Annexure B), Annual Turnover (Annexure C), Technical Compliance Sheet (Annexure D), Schedule of deviations from specifications/conditions (Annexure E), Commercial Compliance Sheet (Annexure F) for qualify for Financial Bid Opening. There after Financial proposal (as per Annexure G) shall be evaluated.

22. **Award of Contract:** TIFR-TCIS shall award the contract to the techno commercially qualified eligible bidder whose bid has been determined as the lowest evaluated financial bid. If more than one bidder happens to quote the same lowest price, TIFR-TCIS reserves the right to award the contract to any one bidder. Purchaser's Right to vary Quantities at the time of Award. TIFR-TCIS reserves the right at the time of award of Contract to increase or decrease the quantity of items specified in the Schedule of Requirements without any change in price or other terms and conditions.



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23. No request for extension of due date will be considered under any circumstances.

24. In case the date of receipt or opening of tenders is declared a Govt. holiday then the tender will be received/ opened on the next working day at the same time.

25. Bid (or) Modification to bids received after closing date and time shall not be considered. Such modified bid to gather with original bid will be summarily rejected.

26. TIFR-TCIS will not be responsible for the loss of the tender or for delay in postal transit if any.

27. **Performance Security:** The Successful bidders should deposit @ 10% of Purchase Order value as Performance Security within 2 weeks from the date of issue of order/contract. The performance security shall be in one of the following form. Demand Draft/Banker "cheque in favour of "TIFR Centre for Interdisciplinary Sciences, Hyderabad" payable at Hyderabad.

(Or)

Bank guarantee issued by Nationalized Bank valid for 60 days beyond the date of completion of all contractual obligations of the Supplier including warranty period. Performance Security shall be forfeited if bidder fails to execute the order as per terms of contract/purchase order. If Performance Security is not paid within the specified time, TIFR TCIS reserves its right to cancel the order.

The Performance Security will be returned back to the successful supplier on receipt of the Performance Bank Guarantee (or) The 10% Performance Security Deposit in the form of Bank Guarantee which is mentioned above may be extended as Performance Bank Guarantee valid for 60 days beyond the date of completion of all contractual obligations of the supplier including warranty period. Vendor should clearly mention their acceptance to this effect in their quote.

Performance Bank Guarantee: Performance Bank Guarantee for 10% of the value of supply should be provided and it should be valid for 60 days beyond the date of completion of all contractual obligations of the supplier including warranty period. Performance Bank Guarantee should be from Nationalized Bank. In case Performance Bank Guarantee is not provided, 90% payment only would be released and balance after 60 days beyond the date of

completion of all contractual obligations of the supplier including warranty period. Vendor should clearly mention their acceptance to this effect in their quote.

28. Payment Term:

Import Item: 60% payment will be released through irrevocable Letter of Credit on presentation of complete and clear dispatch documents, material receipt and balance 40% of the amount shall be released through irrevocable Letter of Credit after the receipt of material installation, successful commissioning, calibration, training and acceptance of the equipment by TCIS authorized person(s) through all relevant documents with Performance Bank Guarantee to be valid beyond 60days completion of all contractual obligations of the supplier including warranty period from the date of successful installation. However Letter of Credit arrangement will be made for 100% order value.

Indigenous Item: 60% of order value will be released on receipt of material at TIFR-TCIS Hyderabad, balance 40% shall be released after installation, successful commissioning, calibration, training and acceptance of equipment by TCIS IT team and its authorized person(s) through all relevant documents with Performance Bank Guarantee to be valid for 60 days beyond the date of completion of all contractual obligations of the supplier including warranty period from the date of successful installation.

29. All bank charges outside India to supplier's account only.

30. No Agency commission will be paid as per Government of India rules.

31. **Training and documentation:** Training and Documentation should be provided by the supplier at free of cost.

32. Bidder's Service Engineer should be fully trained to install the equipment and capable of maintaining the equipment during/after the warranty period.

33. **Mode of Dispatch:** By Air/Road etc.

34. Documents like detailed Catalogue, Inspection certificate, country of origin etc. should be provided along with the dispatch documents.

35. Customs clearance will be done by TIFR-TCIS through the nominated firm for imported consignment.

36. **Delivery Period:** Delivery Period should be as early possible from the date of purchase order. Once delivered to onsite, the installation, commissioning, calibration and acceptance testing period should be earliest from the date of delivery of equipment.

The period of delivery will be counted

- a) From the date of receipt of the order in case of Indian supplier and
- b) From the date of opening of letter of credit/receipt of the order for foreign suppliers.

Place of Delivery: In the case of items indigenously manufactured, all deliveries shall be effected to the F.O.R TIFR-TCIS, Centre for Interdisciplinary Sciences, Survey No. 36/P, Gopanpally Village, Seri Lingampally Mandal, Ranga Reddy, Hyderabad, India whereas foreign Supplier should forward the dispatch details immediately to TIFR-TCIS enable us to appoint our nominated freight forwarder who will pick up the consignment from Supplier's FOB / FCA basis, and book it to Hyderabad. Freight Forwarder will arrange customs clearance and deliver the same to TIFR-TCIS Hyderabad.

37. **Delay in Completion/ Liquidated Damage (LD):**

a) If the bidder/firm shall fail to deliver the system/components within the time specified in the contract/purchase order, the purchaser shall recover a penalty from the bidder/firm as liquidated damages @ 0.5% of order value per week will be charged for delayed period subject to a maximum of 10% of order value. System/components will be deemed to have been delivered only when all essential component parts are also delivered. If any essential components are not delivered in time the entire system/components will be considered as delayed until such parts are delivered.

b) If the delay in the shipment of the ordered materials attributable to the bidder/firm exceeds agreed time period from the date of original agreed upon date of shipment and extended with/without penalty, the TIFR-TCIS, Hyderabad shall have the right to cancel the contract/ purchase order and recover the liquidated damages from other dues of the party or by legal

means. It will also affect the other/future business dealings with such suppliers.

c) The same rate of penalty shall be applicable for late installation of the equipment/instrument also.

d) Agreed time period from the date of original agreed upon date of shipment and extended with/without penalty, the TIFR-TCIS, Hyderabad shall have the right to cancel the contract/ purchase order and recover the liquidated damages from other dues of the party or by legal means. It will also affect the other/future business dealings with such suppliers.

e) The same rate of penalty shall be applicable for late installation of the equipment/instrument also.

38. Packing and Shipping:

a) The equipment should be strongly and securely packed for shipment in airworthiness, as applicable in minimum cubic space in such manner as to prevent damage and pilferage in transit from point of shipment to final destination. If any loss and damage has arisen from inadequate packing, the losses shall be borne by the supplier. Packing should indicate Case No., Order No., Gross weight in Kgs., Net weight in Kgs. and outside dimensions L X W X H etc.

b) Every packing shall contain a packing list and the order number, package number, number of cases in the consignment, description and quantity of each item packed shall be clearly shown in the packing list. The description and quantity of each item shall tally with that specified in the order, whenever applicable.

39. If the supplier is not successfully discharging their contractual obligation against the order/ contract placed on them by TIFR TCIS within the agreed time limit, (OR) if there is any deficiency in performing such obligation, TIFR TCIS reserves the right to suspend such as supplier from their participation in future as per TIFR TCIS standard terms and conditions.

40. No sub-contracting will be allowed for installation or maintaining system/equipment/instrument during (or) after warranty period. This is the sole responsibility of the OEM/ Principal's/their authorized agent.

41. In case of Import of material, it is the responsibility of the vendor to make sure that the system being proposed can be exported to India with TIFR-TCIS as the end user.

42. TIFR-TCIS reserve the right to ask for or to provide any clarification, changes after the release of this tender. Any changes or clarifications provided by TIFR-TCIS may be checked at TIFR-TCIS website <http://www.tifrh.res.in/tcis/contact-us/tenders.html>. After Pre-Bid meeting the suppliers/bidders are requested to check the above link from time to time for any corrigendum etc. updates. There will not be any separate public newspaper advertisement for corrigendum etc.

43. If any information furnished by the agency is found to be incorrect/false at a later stage, the tender will be rejected and the firm will be liable to be debarred from tendering.

44. **Corrupt or Fraudulent Practices:** TIFR-TCIS requires that the bidders who wish to bid for this project have highest standards of ethics. TIFR-TCIS will reject a bid if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract. TIFR-TCIS may declare a bidder/firm ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the bidder/firm has engaged in corrupt and fraudulent practices during the execution of contract.

45. The TIFR-TCIS reserves the right to accept or reject any or all the prospective applications in full or part thereof without assigning any reason whatsoever.

46. The tender form along with necessary enclosures duly filled in should be submitted in original on or before the due date and time. Deviation of this condition shall render the tender liable to rejection.

47. Unsealed, conditional/email tenders and tenders without Earnest Money Deposit or not on the prescribed form shall not be entertained.



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48. The TIFR-TCIS Hyderabad in public interest reserves right to accept or reject any or all tenders without assigning any reason and also to impose/relax any terms and conditions of the tender.

49. **Risk Clause:** Notwithstanding the other terms and conditions therein, any additional cost incurred due to the procurement of the product as required for the contract, which are not delivered by the vendor or not as per the specification will be borne by the vendor. The vendor will be liable for any loss which TCIS may sustain by reason of such risk, in addition to penalty.

50. **Observance of local laws:** Wherever applicable (particularly for Local vendors), the vendor /contractor shall comply with all law, statutory rules & regulations etc. The vendor/ contractor shall obtain all necessary permits / approval from the local Governing Body, Police, and other concerned Authorities as may be required under law. The vendor /contractor shall pay all types of taxes, fees, license charges, deposits, duties, tolls, royalty or other charges that may be levied on account of any the operations connected with the execution of this work/ contract.

51. **Settlement of Disputes & Arbitration:** All matters relating to disputes and difference of opinion shall be settled mutually as far as possible. In case of any interpretational issues arises in this tender, the interpretation/decision of TIFR-TCIS shall be final and binding on the bidder. The arbitration will proceed as per Indian Arbitration Act, 1940, as amended upto date.

Administrative Officer



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Schedule of Experience of last five years.

Annexure - B

Please furnish list of firms/offices where you have undertaken similar jobs (please use additional sheets, if necessary)

S.No	Name of company with full address	Name of the project	Purchase order No & Date	Brief description	Value (INR)
Signature					
Name					
Designation					
Name of the company					
Date					
Seal of the company					

Authorized Signatory with Seal



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Audited Annual Turnover

Annexure – C

S.No.	Financial/ Accounting Year	Profit (Rs.)	Loss (Rs.)	Annual Turnover (in Rs.)
1.	2015-2016			
2.	2014-2015			
3.	2013-2014			

Authorized Signatory with Seal

Note:

The bidder should have average annual turnover of minimum INR 10 Crores or more during three previous financial years ending March 31, 2016. This Annexure – C should be certified by Chartered Accountant (CA) as per the format given above duly signed and stamped by the CA on their letterhead.

Technical Compliance Sheet

Annexure - D

S.No	Description	Yes/No
1.	Satisfying all technical prequalification criteria for bidding as per the tender Sl.No 3 of prequalification for bidding	
2.	The bidders should submit the technical compliance of All quotations submitted must follow the prescribed format for technical compliance as in the above document. Failure to do so will result in the quotation being summarily rejected.	
3	Whether the optional items are quoted separately, if any	
5.	Service: Whether a written contract of after sales service and technical support is provided. Immediate response upon system failure should be guaranteed. Response to service calls and resolution should happen within 48 hours. Whether this clause is accepted?	
6.	Training: Whether agreed to provide periodic training/demonstration classes at least once in every 6 months to new users for the first two years.	
7.	Accepting all technical terms and conditions mentioned in the tender	
8.	Whether bidder has service bases in Hyderabad/Major Cities in India	
9.	Acceptance that installation and training should be performed by the Supplier.	
10.	Whether any special UPS systems are required and quoted.	

Authorized Signatory with Seal



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Schedule of deviations from specifications/conditions

Annexure - E

All deviations from the specifications/conditions shall be filled in by the bidder in this schedule.

--

The bidder hereby certifies that the above mentioned are the only deviations from the technical specifications/ Commercial terms and conditions of this tender. (State NIL if no deviation is envisaged)

Signature	
Name	
Designation	
Name of the company	
Date	
Seal of the company	

Commercial Compliance Sheet

Annexure - F

S. No.	Particulars	Documents Attached (Yes/No)
1.	Tender fee Rs. 1500/- Attached with Technical Bid Part-A	
2.	Two separate bids duly filled in and signed in sealed envelopes (i) Technical-Part-A (ii) Financial Bid-Part-B	
3.	The Demand Draft (DD)/ Bankers Cheque(BC)-attached with technical bid towards Earnest Money Deposit as per tender	
4.	Documents in support of proof as per eligibility criteria.	
5.	Undertaking that the successful Bidder agrees to give 10% security deposit.	
6.	Undertaking that the successful Bidder agrees to give 10% Performance Bank Guarantee.	
7.	Authorization letter from Principals enclosed (If applicable).	
8.	Annexure (B) - Duly filled Supply Order Details	
9.	Annexure (C) - Duly filled Audited Annual Turnover	
10.	Annexure (D) - Duly filled Technical Compliance Sheet	
11.	Annexure (E) - Schedule of deviations from specifications/conditions	
12.	Annexure (F) - Duly filled. Commercial Compliance Sheet	

13.	Annexure (G) - Duly filled. Financial Bid	
14.	Self-Attested copy of Sales Tax Registration certificate (CST/VAT etc.) as applicable	
15.	Agreements/ Purchase orders/Completion certificates, if any, from the clients for whom similar supply has been made by the Bidder in last 3 years	
16.	Latest Solvency Certificate issued after 01-06-2016 by Nationalized bank for Minimum value of 1.2 Crores Submitted along with technical bid	
17.	Copy of PAN No. allotted by the concerned authorities	
18.	A copy of the Un-priced Financial bid	
19.	Acceptance of material dispatch through the TIFR-TCIS Freight Forwarder.	
20.	Acceptance of Payment Term.	
21.	Validity of Bid: 180 days from the date of opening of financial bid.	
22.	Tender document duly signed and stamped by the tenderers on each page.	
23.	Bank Charges agreed for outside India	
24.	LD Clause agreeable	
25.	Acceptance to fulfill the contractual obligation.	
26.	Acceptance of warranty period and Free replacements during warranty period.	

Authorized Signatory with Seal



TATA INSTITUTE OF FUNDAMENTAL RESEARCH

(Autonomous Institution of the Department of Atomic Energy, Government of India)

TIFR Centre for Interdisciplinary Sciences

21, Brundavan Colony, Gandipet Road, CBIT Post Office, Hyderabad-500 075

Phone: 040-2419 5029, Email: purchase@tifrh.res.in

Financial Bid

Design, Supply, Installation and Commissioning of Active ICT Equipments for Campus Wide Wired and Wireless Networking at TIFR-TCIS, Hyderabad Fret-B Campus at Gopanpally, Hyderabad.

Annexure - G

The bill of materials must be included in the technical offer as well as financial offer. However the technical offer should not contain any price information.

All the Bidders should quote their offer in the following format for uniformity

I) Import Supply:

S.No	Item Description	Qty	Rate (currency)	Total Amount (currency)
1	Core Switch	2		
2	Access Switch with 48 port PoE+ switch	17		
3	Access Switch with 24 port PoE+ switch	4		
4	Wifi Access Points	58		
5	Wifi Controller	2		
6	Network Management Software (NMS)	LS		
7	Services - Deployment, configuration as per TCIS design and commissioning.	LS		
Total Ex-Works Price (Currency)				
(A)	FOB/FCA Price, Name of the Port (Currency)			
	CIF Hyderabad Charges (Currency)			
	CIF Hyderabad Price (Currency)			
	Amount in Words:			

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S.No.	Item Description (Please refer Scope of Supply at Annexure - A)		Qty.	Rate (Currency)	Total Amount (Currency)
	Optional Items: (if any)				
1.					
2.					
3.					
4.					
5.					
6.					
	Total Ex-Works Price (Currency)				
(B)	FOB/FCA Price, Name of the Port (Currency)				
	CIF Hyderabad Charges (Currency)				
	CIF Hyderabad Price (Currency)				
	Amount in Words:				

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II) Indigenous Supply (Local Supply)

S.No.	Item Description		Qty.	Rate (Currency)	Total Amount (Currency)
1.					
2.	Optional Items:				
	Total:				
	(+) Taxes etc.				
(C)	Grand Total (For TIFR-TCIS, Hyderabad)				
Amount in Words:					

Authorized Signatory with Seal