

Kakatiya University

Warangal, Telangana State - 506 009

No. 279/UGC/KU/2017

Date:23/03/2017

Tender Document for Campus Wide Wi-Fi Setup at Kakatiya University, Warangal

DATE OF ISSUE OF TENDER FORM WITH DOCUMENT: 24/03/2017

DATE & TIME FOR SUBMISSION OF TENDER DOCUMENT: From 24/03/2017 to 30/03/2017 up to 17.00 hrs

Kakatiya University, Warangal invites bids for Campus-wide setup of Wi-Fi from those who are in the similar profession for the last three years and at present providing the same service to Central/State Govt. Deptt., PSU's, Autonomous Bodies, Large Industrial/Educational Campus/corporate Super Speciality Hospitals and capable of undertaking such work may send their bids both Technical and Commercial in sealed envelopes.

Complete Tender Document may be downloaded from the website of www.kakatiya.ac.in. The bidders shall enclose a Demand Draft for Rs. 1,500.00 payable at Warangal and drawn in favour of "The Coordinating Officer, UGC Unit, KU" with the Technical Bid.

The interested Companies/Firms/Agencies may send their bid complete in all respect with other requisite documents to the "The Coordinating Officer, UGC Unit, KU" duly superscripted "Bid for Campus Wide Wi-Fi Setup" before 1700 hrs on 30/03/2017. The bids received after this deadline shall not be entertained under any circumstances whatsoever. In case of postal delay this Institute will not be responsible.

The sealed envelopes are to be deposited in the tender box placed at the office of the Coordinating Officer, UGC Unit, Kakatiya University, Warangal or may be sent through registered/speed post addressed to "The Coordinating Officer, UGC Unit, Kakatiya University, Warangal - 506 009". Bids sent by COURIER will not be entertained.

Any future clarification(s) and / or corrigendum(s) shall be communicated by the "The Coordinating Officer, UGC Unit, KU" only through the website www.kakatiya.ac.in and not in press. Hence, bidders are advised to always be in touch with our said website until the tender is finally opened.

Kakatiya University, Warangal reserves the right to amend or withdraw any of the terms and conditions contained in the Tender Document including quantity/amount of items to be supplied or to reject any or all tenders without giving any notice or assigning any reason.

The decision of the Registrar, Kakatiya University, Warangal in this regard shall be final.

GENERAL INSTRUCTIONS TO THE BIDDER

- 1. The tender is "Two Bid' document. The technical bid should contain all the relevant information and desired enclosures in the prescribed format along with Tender Fee. The financial bid should contain only commercial document. In case, any bidder encloses the financial bid within technical bid, the same shall be rejected summarily.
- 2. The tender Document can be downloaded from the Website of Kakatiya University i.e. www.kakatiya.ac.in. The Technical bid must accompany with the tender fee of Rs. 1,500/-in form of Demand Draft in favour of The Coordinating Officer, UGC Unit, KU. The tender document fee is non-refundable, non-adjustable and non-transferable and is payable through a demand draft on any scheduled bank drawn in favour of the "The Coordinating Officer, UGC Unit, KU" payable at Service Branch, Warangal.
- 3. The Tenders should be typewritten or handwritten but there should not be any overwriting or cutting. Correction, if any, shall be made by neatly crossing out, initialling, dating and rewriting. The name and signature of bidder's authorized person should appear on each page of the application. All pages of the tender document shall be numbered and submitted as a package along with forwarding letter on agency's letter head.
- 5. The prices/rates quoted should be indicated in words as well as in figures. In case of any discrepancy, lower amount/rates shall be considered as valid.
- 6. Bidders are requested to quote their prices on a firm & fixed basis for the entire period of the Contract. Bids of the firms received with prices quoted on variable basis shall be rejected without assigning any reasons and no communication in this regard shall be made.
- 7. Quotations qualified by such vague and indefinite expressions such as "subject to prior confirmation", "subject to immediate acceptance" etc. will be treated as vague offers and rejected accordingly. Any conditional tender shall be rejected summarily.
- 8. Bidders are requested to enclose a copy of their valid certificate of PAN No., TAN No., Sale Tax/VAT No./Service Tax No. or any other document as requested by the Institute with their tender.

- 9. Tenders received without Tender Fee by way of demand draft in favour of "The Coordinating Officer, UGC Unit, KU" will not be considered at all and shall be summarily rejected.
- 10. Late/delayed tenders received at the office of the Coordinating Officer, UGC Unit, KU due to any reason whatsoever will not be accepted under any circumstances.
- 11. At any time prior to date of submission of tender, Tender Inviting Authority may, for any reason, or decision, modify the terms & conditions of the tender document by a corrigendum displayed on the Website of Kakatiya University (www.kakatiya.ac.in). In order to provide reasonable time to take the amendment into account in preparing their bid, Tender Inviting Authority may or may not, at his discretion, extend the date and time for submission of tenders.
- 12. Tendering firms are at liberty to be present or authorize a representative to be present at the opening of the tender at the time and date as specified in the Schedule. The name and address of the representative authorized to attend the opening of the tender on behalf of a tendering firm should be indicated in the tender. The representative so deputed should also bring with him a letter of authority from the firm for having been authorized to be present at the time of opening of tender. Only one representative per firm shall be permitted to attend the opening of the tender. The name and address of permanent representative of the firm, if any, should also be indicated in the tender. The date of opening of the tender and any other related information will be communicated over website/phone/message.

DETAILED SCOPE OF WORK:

All indoor cabling must be neatly laid through PVC casing capping / PVC conduits of good quality. All the pipes, casing capping,

If required Expansion Switches of suitable port numbers are to be installed for this to connect the monitoring locations, without any cost implication to University,

The Bidder shall take single point responsibility on turnkey basis for the entire scope of work for Supply, Engineering, Installation, Integration, Networking, Testing and Commissioning of the system.

INSTALLATION & COMMISSIONING:

Installation and commissioning of the entire system are to be executed by a single bidder on turnkey basis under direct supervision of Kakatiya University representative.

WARRANTY:

A warranty for 03 year is included in the job.

TRAINING:

Onsite training to be provided by the bidder to the Required IT Team and Staffs (02 Nos) that includes complete assembly of the system.

ANNUAL MAINTENANCE CONTRACT (after warranty period of 03 years)

Bidders are requested to quote rate for AMC, which may be used after the expiry of warranty/ extended warranty.

BID RESPONSE FORMAT

The bidder shall effectively communicate the solution and shall cover all the requirements as given in the RFP. The bidder shall use the following format to submit the response:

The documents of the Technical Bid shall be placed in sealed envelope clearly marking "Technical Bid. The financial Bid shall be placed in separate sealed envelope clearly marking it as "Financial Bid does not open with Technical Bid". The above two envelopes shall then be placed in third envelope, which shall also be appropriately sealed and marked as "Bid for Campus Wide Wi- Fi Setup System"

CONTENTS OF ENVELOPE-1 (TECHNICAL BID)

- Covering letter and Application Form, Checklist of Submissions.
- Letter of Undertaking regarding acceptance of terms and conditions.
- Documents Supporting the Qualification/eligibility Criteria along with the Bidders Information format shall be submitted.

<u> Annexure - I</u>

BIDDERS INFORMATION FORMAT

Sr.No.	Description of Details	Bidder's Response	Page No. of Technical Bid Submission
1	Name of the Firm / Company		
2	Year of establishment		
3	Type of Company Govt./PSU/Public Ltd/ Partnership/Proprietary) with necessary documents.		
4	Registration number & Date of registration(Self attested certificate copy to be enclosed)		
5	Address of registered office/Head Quarter with contact person's name &designation, contact number, FAX no, E-Mail Address		
6	PAN &TAN numbers and related details		
7	Service Tax Number & related details		
8	Number of years' experience (Organization's) supply, installation and maintenance of campus wide network components. Documentary evidences submitted (PO Copy &Completion certificates) should be mentioned here.		
9	Annual Turnover for FY 2015-16,2014-15, (In separate ROW/LINE)		
10	Audited balance sheets submitted for above mentioned financial years? YES/NO		
11	Copy of ISO 9000:2000 / ISO 9000:2008.		
12	Total manpower in customer support with details of technical support/helpdesk(Toll free number Mail ID, Contact person name and mobile numbers)		
13	Experience : List of prominent organizations where similar nature of projects executed in last seven years (P.O. Copy & Job completion certificates to be enclosed		
14	Bidders Relation with OEM and components offered		
15	Type of Partnership (level of partnership-highest/Tier-1,reseller or Distributor		
16	OEM Details, Address in India (Registered office)		
17	OEM Contact person, Designation with contact number , E-Mail ID, FAX No.		
18	Name, Designation & Contact details of Bidder's authorized representative for this tender		
19	Registration Details with Various Govt. Estt. And in case of EMD Exemption details to be furnished. Please Mentioned details for Tender Fee Banker Cheque/DD Number, date etc.		

QUALIFICATION/ELIGIBILITY CRITERIA FOR BIDDERS

DESCRIPTION OF PARAMETERS	COMPLIANCE (Yes/No)
Payment Terms to be accepted as per the RFP	
All terms and conditions in the RFP including Standard terms	
and conditions given in Part-III to the RFP are acceptable to the	
seller	
The firm should be registered under The Indian Companies	
Act, 1956 and/or The Companies Bill 2008/2009.	
The firm must provide Sales Tax, VAT and Service Tax	
registration certificates.	
The firm should have registered office in India, preferably local	
/ Same State support office. The bidder should have	
experience for at least 5 years and should have executed	
projects on latest technologies. They would provide E2E	
services (A Single point of Contact for Passive components,	
Active components, Campus Wi-Fi Setup etc.).	
The firm must provide copies of ITR for last three Financial	
Year and must have a minimum turnover of 50 Lakhs in last	
three FY.	
The firm must be ISO 9001:2008 certified.	
The firm must declare that there is no lawsuit pending against	
the proprietor/partners.	
All the Product Components proposed should be from a single	
Manufacturer for seamless integration.	
The products quoted should not be declared End of Life at the	
time of delivery and OEM should support the products quoted	
for at least 5 years and a letter to this extent be attached as a	
proof	
The Original Equipment Manufacturer of Active Components should be an ISO 9000 Certified.	
The firm should be a cash profit making company for past	
three Financial Years as evidenced from balance sheets and	
P&L Statements.	
The Bidders should be authorized by OEM to supply & install	
the equipment through OEM trained/certified engineers with	
holding at least 2 years of experience (atleast). OEM should	
provide an Authorization Certificate to the Vendors/ Bidders	
for support, & the proof of the same should be attached with	
the tender.	
Bidder shall have experience of having successfully completed	
a similar project End to End. Bidder must submit relevant	
reference reports/ completion certificates to substantiate his	

claim of having completed the following in last FY:	
■ Three similar works costing not less than Rs. 15 Lakhs	
or equivalent OR	
 Two similar works costing not less than Rs. 20 Lakhs 	
or equivalent OR	
 One similar work costing not less than Rs. 25 Lakhs or 	
equivalent.	
Similar work would mean Supply, Installation,	
Commissioning and Testing of Projects involving provisioning	
of Electronic Security & Authentication Systems on IT	
Network Infrastructure. In this regard a list of past/existing	
clients (with address and contact information) having such	
installation shall also be provided for verification.	
The bidder must quote for all the items/services mentioned in	
the tender. Part/incomplete quotes shall be summarily rejected	
The bidder must indicate familiarity and agreement with the	
scope of work as elucidated in the RFP.	
Tender compliance should be certified by OEM's of respective	
components along with all the supporting documents.	
Bidder should have support centre / replacement support in	
the state of Telangana State or preferably in	
Warangal/Hyderabad.	
OEM's participating with Multiple Bidders should submit	
100% compliant BOM with all the bidders and the BOM	
proposed should be identical with all the Authorized bidders.	
Solvency Certificate from Bank for minimum Rs 10 Lakhs	
In case End-user demands an Onsite demonstration, the bidder	
must comply with #Section 7 and also demonstration	
integration on LAN by creating a separate logical LAN.	
Execution & Support Capability recommendation from OEM.	

TECHNICAL SPECIFICATIONS FOR SYSTEM:

Note: Bidder must comply, all the specifications listed, and in case the offered parameter or specification (from Bidder) are comparable to the RFP requirements, Kakatiya University hold all rights to accept or reject the same without any intimation. And all the compliance shall be supported with technical datasheets or information which shall be globally available on websites (links shall be provided).

ANNEXURE-A - TECHNICAL SPECIFICATION

Wireless Controller Specification:

Wireless Controller Specification Hardware based Controller Should have 6 nos. GbE LAN port Should have 2 port USB to capture logs Default 8 APs support, scalable upto 64 NAT throughput should be 1Gbps 1024 Concurrent clients support Should support OEM provided deployment tool for AP planning, coverage detection Should support at least 64 SSID Profile Should support 128 radio profile CAPWAP support Manual/Auto Discover/DHCP option/DNS for controller address assignment Auto provision should support DTLS support for encrypted managed frame
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Auto provision should support DTLS support for encrypted managed frame
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DTLS support for encrypted managed frame
3.5 1.3 20
Managed AP firmware auto upgrade
Should support schedule firmware upgrade
Dynamic channel selection and Client RSSI threshold
Should have option to configure Multicast traffic on wireless
Rogue AP detection, Rogue AP containment
Support Mesh AP
Support Tunnel mode and Auto healing
802.1X, MS AD and LDAP support for authentication
Controller should have embedded RADIUS server
Captive portal support for user authentication and should be
customizable
at least 512 Guest Account support
At least 8 group number LDAP and RADIUS group
At least 512 users (local database)
32 MAC profile and 512 MAC entries per profile
At least 128 VLAN configurable
DHCP client, DHCP server and DHCP relay
Should support static routing (256 route minimum)
Should support Policy routing (256 route minimum)
Should support Firewall feature
WMM/Power save, Diffserv marking, AP load balancing

Rate limiting firewall	
Bandwidth limit (per SSID)	
CLI with SSH, Web UI with SSL for management	
SNMP v1, v2c,v3	
Multi-level administration roles, Web UI administration SSL for	
management	
Should support management VLAN	
System log save to USB drive	
Controller should have inbuilt Packet capture feature	
High availability (Primary/Secondary controller)	
Should support Band steering	
Ipv6 Host	
Auto Healing maximizes Wi-Fi service availability	
Should support OEM provided utility for central management (IP	
Configuration, IP renew, Device reboot, Firmware upgrade, device	
reset and password configuration)	
User-friendly authentication by QR code	
Maximum power consumption should be 11 watt or better	
Certificate: FCC, CE, ERP, C-Tick AS/NZSCISPR, BSMI, LVD	
802.11r support to enables encryption keys to be stored on all of the	
APs in a wireless infrastructure	
Wireless client should not perform the complete 4-way handshake	
authentication process to a backend server every time when roaming	
to a new AP.	
The CPU Usage of access point and Channel column sorting should be	
in correct ascending or descending order	
Dynamic VLAN Assignment to wireless clients based on user groups	
information configured in the RADIUS server.	
Controller should provide the status of Top N AP by Traffic Usage &	
Station Count on dashboard	
SSID Information should be displayed with 2.4G/5G Station Number	

ANNEXURE-B1 - Wireless Access Point Specification (2 x 2 MIMO):

Wireless Access Point Specification:	
Specification	
Dual band Wireless Access Point (2.4 and 5 GHz)	
wireless standard 802.11a/b/g/n/ac	
2x2 multiple-input multiple-output (MIMO) with two spatial streams	
20- and 40-MHz channels (80-MHz in 11ac)	
Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)	
Low Density Parity Check (LDPC) support	
PHY data rates up to 300 Mbps (802.11n) & 866Mbps (802.11ac)	
AP support Transmit Output Power 26 dBm	
should have 4 embedded Antenna (2T2R MIMO)	
Max association number 128 (open system)	
Should support 400 ns guard interval	
Should support BPSK, QPSK, 16-QAM and 64-QAM	
Receive Sensitivity upto -97 with 802.11b/g and -91 with 802.11n	
Should support PoE (maximum 9 Watt or better)	
should support Mesh AP with controller	
WMM (Wi-Fi Compliant)	
support TLS, TTLS, PEAP, FAST, AKA and SIM types	
minimum 16 SSID	
Should support L2 isolation and MAC filtering	
RADIUS, LDAP and AD authentication	
Rogue AP detection	
Should support VLAN,IPv6 and DHCP client	
should support WMM Power save and DiffServe Marking	
Web UI and CLI support	
Managed AP mode and Standalonee AP mode	
Should be managed with Hardware controller and software Utility	
provided by Vendor	
AP should have Feature to simplify managed/standalone AP mode	
configuration and to be integrated into the network environment	
automatically	
Dynamic Channel Selection (DCS), Load Balancing, and Smart Client	
Steering etc. avoid the interference of co-channel and overlapping	
channel at initialization.	
Concurrent dual band support enables NWA5123-AC to fulfill both 2.4	
GHz and 5 GHz clients at the same time and perfectly for high-density	
application such as hospitality, education and business.	
Multi-level Administration Roles	-
Plenum Rating	
MTBF should be 1,241,800 or better	
Power adapter and Wall/Ceiling mount plate must provided with AP	
Storage Temprature -30°C to 70°C/-22°F to 158°F	

ANNEXURE-B2 - Wireless Access Point Specification (3 X 3 MIMO):

Specification	Compliance
Dual band Wireless Access Point (2.4 and 5 GHz)	-
wireless standard 802.11a/b/g/n/ac	
3x3 multiple-input multiple-output (MIMO) with three spatial	
streams	
20-, 40-MHz channels and 80-MHz in 11ac	
Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)	
Low Density Parity Check (LDPC) support	
WLAN maximum throughput upto 900 Mbps	
AP support Transmit Output Power 27 dBm	
Max association number 128 (open system)	
Should support BPSK, QPSK, 16-QAM and 64-QAM	
Receive Sensitivity upto -97 with 802.11b/g and -91 with 802.11n	
Should support PoE	
should support Mesh AP with controller	
WMM (Wi-Fi Compliant)	
support TLS, TTLS, PEAP, FAST, AKA and SIM types	
minimum 16 SSID	
Should support L2 isolation and MAC filtering	
RADIUS, LDAP and AD authentication	
Rogue AP detection	
Should support VLAN,IPv6 and DHCP client	
should support WMM Power save and DiffServe Marking	
Web UI and CLI support	
Managed AP mode and Standalonee AP mode	
Should be managed with Hardware controller and software Utility provided by Vendor	
AP should have Feature to simplify managed/standalone AP mode configuration and to be integrated into the network environment automatically	
Dynamic Channel Selection (DCS), Load Balancing, and Smart Client Steering etc. avoid the interference of co-channel and overlapping channel at initialization.	
Concurrent dual band support enables NWA5123-AC to fulfill both 2.4 GHz and 5 GHz clients at the same time and perfectly for high-density application such as hospitality, education and business.	
Multi-level Administration Roles Power adapter and Wall/Ceiling mount plate must provided with AP	
Operating Temprature 0°C to 50°C	

ANNEXURE-C

Detailed Technical specifications (Passive components).

Annexure 'C-A1'

Model/Part No.:

S1. No.	Technical Specification for Single Mode Fiber Optic cable	Compliance Yes/No	Reference Document	Remarks
1	4/6 Core - 9/125 Micron Single Mode Outdoor Fiber Cable			
2	Type of Cable : OS1 Single mode			
5	at 1310 nm ≤ 0.39 dB/KM			
9	Operating Temperature : -10° C to + 60°C			
10	Sheath: UV Stabilized HDPE			
12	Fibre Tube Identification : Single Tube			
15	Peripheral Strength Member : Two Steel Wires			
17	Core Wrapping: Polyethylene Terephthalate			
18	Inner Sheath : Polyethylene			
19	Armouring : Copolymer Steel tape Armor			
20	Sheath: HD Polyethylene (UV Stabilized)			
21	Water Blocking : Thixotropic Gel			
22	ROHS Complaint			
23	ISO/IEC 11801 : 2002 -2nd Edition, Type OS1			
24	ITU-T REC G 652D spec for Low Water Peak fiber, TIA 568, EIA 455			
25	AS/ACIF S008; AS/NZS 3080			

Annexure 'C-A2'

Model/Part No.:

Sr. No.	Technical Specification for CAT6 UTP Copper cable	Compliance Yes/No	Reference Document	Remarks
1	23 AWG Annealed bare solid copper, CAT-6 UTP Cable			
2	PAIRS Color code: Blue / White-Blue, Orange / White-Orange, Green / White- Green, Brown / White - Brown			
3	Type Of Conductors: 4 pair 23 AWG Conductors and star separator.			
4	Cable Pull Tension Thread & FR Grade PVC			
5	Jacket : Fire Retardant PVC			
6	Frequency: Characterized to 600 MHz			
7	Standard length: 305 Mtrs (1000 ft.)			
8	Standards: UL Listed,ETL Tested & Verified			
9	Gigabit Requirements': Should meet or exceed Gigabit Ethernet requirements at 100			

	Mtrs.		
10	Insulation: Polyethylene		
11	Jacket : Flame Retardant PVC		
12	Performance Characteristics- Category 6 EIA/TIA 568.C.2		
13	ETL Verified up to 400 MHz		
14	ROHS Complaint		

Annexure 'C-A3'

Sr. No.	Technical Specification for 24 Port UTP Patch panel with 8 Keystones Loaded	Compliance Yes/No	Reference Document	Remarks
1	Standards: ETL Verified and CAT 6 Component			
	Compliance.			
2	Material : Cold rolled steel			
3	Coating : Powder Coating			
4	Dust Cover on the I.O:			
<u> </u>	To avoid dust contaminants.			
5	Wire Accommodation : 22-24 AWG			
6	Compatibility: Individually removable RJ 45 Port and compatible with STP, Fiber& Coax.			
9	UL Listed			
10	ROHS Compliant			

Annexure 'C-A4'

Sr. No.	Technical Specification for CAT6 Patch Cord	Compliance Yes/No	Reference Document	Remarks
1	Standards: Should meet or exceed TIA/EIA 568B, ISO Category 6 Performance Requirements.			
2	Jacket: Low Smoke Zero Halogen Sheath (LSZH)			
3	Boots : Transparent Boot			
4	4 Pair 24 AWG stranded copper wire			
5	Bend radius : 4 X O.D			
6	Operating Temperature : -20 ° C to 60° C			
7	Compatible for 568 A & 568 B wiring			
8	Fire Propagation test : CSA FT1,IEC 60332- 1,IEC61034			
9	Operating Life: 750 Mating Cycles			
10	Length: 1 Mtr/2 Mtr/3 Mtr/5 Mtr/10 Mtr/20 Mtr			
11	UL Listed & ETL Verified			
12	Standards : CAT 6- TIA-568-C.2,ISO/IEC 11801:2002			
13	ROHS Compliant			

ANNEXURE-D

Technical Specifications for Active Components

Active Components

A3. Network Switches - PoE + (IEEE 802.3at Compliant)

- 1) Layer 2 Manageable Gigabit Ethernet Switch
- 2) 8x1000 Base T Ports with Power over Ethernet (PoE+) & min. 2x1000 Base X SFP Ports.
- 3) Protocol support Spanning Tree, 802.1d/w/m,

GUI or CLI Management features supported.

IGMP snooping (v1/v2),

Port mirroring,

Port Security (802.1X Security)

VLANs, at Minimum.

ANNEXURE-E1 - Detailed Bill of Quantities - Wi-Fi Solution (for 2X2MIMO)

S1 No	Description of Items	Make		
1	Wifi Access Point		Per Unit	
2	Wifi access point conroller		Per Unit	
3	Switches		Per Unit	
4	FO Modules		Per Unit	
	B : Passive Cor	mponents		
1	UTP Cable (Each 305 Mtrs)	`	Boxes	
2	6U Rack		Per Unit	
3	UTP Patch Panel		Per Unit	
4	Indoor (FO) Cable		Per Mtr	
5	FO Patch Cord		Per Unit	
6	Casing Capping		Per Mtr	
7	Power Cable		Per Mtr	
8	UPS (optional)		Per Unit	
	C : Servi	ices		
1	Indoor Cable laying	Services	Per Mtr	
2	Rack Fixing	Services	Per Unit	
3	Installation & Commissioning	Services	Lumpsum	

ANNEXURE-E2 - Detailed Bill of Quantities - Wi-Fi Solution (for 3X3MIMO)

S1 No	Description of Items	Make		
	A: Active Con			
1	Wifi Access Point		Per Unit	
2	Wifi access point conroller		Per Unit	
3	Switches		Per Unit	
4	FO Modules		Per Unit	
	B : Passive Cor	nponents		
1	UTP Cable (Each 305 Mtrs)	`	Boxes	
2	6U Rack		Per Unit	
3	UTP Patch Panel		Per Unit	
4	Indoor (FO) Cable		Per Mtr	
5	FO Patch Cord		Per Unit	
6	Casing Capping		Per Mtr	
7	Power Cable		Per Mtr	
8	UPS (optional)		Per Unit	
	C : Servi	ces		
1	Indoor Cable laying	Services	Per Mtr	
2	Rack Fixing	Services	Per Unit	
3	Installation & Commissioning	Services	Lumpsum	

CONTENTS OF THE ENVELOPE-2 (FINANCIAL BID)

- 1. The Financial bid as per format in #Section 6.
- 2. One Soft copy of the Financial bid

6.0 COMMERCIAL BID FORMAT

A. Equipment/Devices System								
S. No.	Description	Make	Part No.	Qty	Unit Price	Amount	Taxes	Net Price
1								
2								
3								
Total								

B. Software Components								
S. No.	Description	Make	Part No.	Qty	Unit Price	Amount	Taxes	Net Price
1								

C. Installation & Commission :						
S. No.	Description	Qty	Unit Price	Amount	Taxes	Net Price
1						
Grand Total (A+B+C)						

ONSITE DEMONSTRATION & PROOF OF CONCEPT

Bidders should be well prepared upon prior notification from Kakatiya University to demonstrate the products quoted against the RFP and its compliance to the technical specifications / features during the technical evaluation stage of the tender. All the required hardware / Software and other infrastructure should be sourced by bidder / OEM on his own.

Bidders upon prior notification from University should be able to show a POC complying the technical requirements specified in the RFP, all the required hardware and software should be organized by the bidder / OEM.

Details of the POC or Demonstration details shall be communicated later.

Successful qualification of POC does not guarantee any Order confirmation from University and Bidder has to conduct the same with no Time & Cost implication.