



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES SAKET NAGAR, BHOPAL –
462024 (M.P.)**

Notice Inviting Quotations

No.: Stores/2016-17/LPC/941

Dated: 6/02/2017

Subject: Quotation for **Radio frequency connectivity** in AIIMS Bhopal Library Building AIIMS Bhopal.

Dear Sir,

Sealed quotation are invited, for radio frequency connectivity as shown in enclosed financial bid form so as to reach the **Stores Officer, Central Store, First Floor Medical College Building AIIMS Bhopal** by 14:00 Hrs of **:09/02/2017**

Point to Point connectivity is to be done between Library Building and Medical College Building & Medical College.

Also the Wi-Fi access point is to be installed in the Library Building as per the IT Engineer Directions. Work completion includes supply of all the items + Installation of Wireless Outdoors CPE (Point –To - Point), Wi-Fi Access Point with required cables. Installation report is to be signed by the deputed IT Engineer then only the bill can be raised by the vendor.

Technical specifications for Radiofrequency Connectivity in

Sr. No.	Item description	Technical specifications																																
1	NETWORKING SWITCH 24 PORT 10/100/1000 MANAGED	<p>24 ports of 10/100/1000 base-4 fibre ports and minimum two Gigabit uplink Ports</p> <p>Layer-2 Requirements - Switch should support 802.1Q VLAN tagging with minimum 50 concurrent VLAN's ,STP (802.1d), Rapid-Spanning Tree (802.1w), MST (802.1s), min 1000 Mac address support</p> <p>Management Requirements - The device should have common CLI and Web interface. SNMP v1,v2,v3 Switch should be manageable through both IPv4 & IPv6 Should have modular OS and should support configuration roll back to recover misconfigured switch to last known good configuration.</p>																																
2	RACK 9U, WITH FAN, CABLE MANAGER ,SPIKE	<p>9u rack size Power quoted steel/ Heavy Duty Extruded Aluminium Frame Body with perforated (minimum 65 %),wall mount rack, product is a CRCA steel construction with Tough and transparent glass door, cabinet is set to max 500mm ,it allows the cabinet to easy carry a load of minimum 40Kg ,</p>																																
3	Wireless Outdoors CPE	<table border="0"> <tr> <td style="vertical-align: top;">Standards</td> <td>IEEE 802.11g,IEEE 802.11b,IEEE 802.11n,IEEE 802.3,IEEE</td> </tr> <tr> <td style="vertical-align: top;">Device Management</td> <td>Web-Based – Internet Explorer all ver. or later; Netscape Navigator or later; or other Java- enabled browsers.SNMP</td> </tr> <tr> <td style="vertical-align: top;">Wireless Distribution System</td> <td>AP Client,PtP Bridge,PtMPBridge, Repeater</td> </tr> <tr> <td style="vertical-align: top;">Security</td> <td>64, 128, 152-bit WEP,AES, TKIP,WPA2 802.1X (EAP-MD5, EAP-TLS, EAP-TTLS and EAP-PEAP) MAC Address Access Control (Wireless MAC Filtering)</td> </tr> <tr> <td style="vertical-align: top;">Media Access Control</td> <td>CSMA/CA with ACK</td> </tr> <tr> <td style="vertical-align: top;">Wireless Frequency Range</td> <td>Minimum 5.8 GHz</td> </tr> <tr> <td style="vertical-align: top;">Wireless Signal Range</td> <td>Indoors: Up to 500 meters Outdoors: Up to 1000 meters</td> </tr> <tr> <td style="vertical-align: top;">Modulation Technology</td> <td>Orthogonal Frequency Division Multiplexing (OFDM) Complementary Code Keying (CCK) DQPSK,DBPSK</td> </tr> <tr> <td style="vertical-align: top;">Wireless Transmit Power</td> <td>Minimum 25 DBI</td> </tr> <tr> <td style="vertical-align: top;">Antenna Type</td> <td>Must be internal</td> </tr> <tr> <td style="vertical-align: top;">LED Indicators</td> <td>Power , LAN (10/100/1000 Mbps) WLAN (Wireless Connection)</td> </tr> <tr> <td style="vertical-align: top;">Temperature</td> <td>Operating: 32°F to 140°F (0°C to 40°C) Storing: 4°F to 149°F (-20°C to 65°C)</td> </tr> <tr> <td style="vertical-align: top;">Humidity</td> <td>95% maximum (non-condensing)</td> </tr> <tr> <td style="vertical-align: top;">Power Input</td> <td>Ext. Power Supply 100v-230v 50Hz, 10W or above</td> </tr> <tr> <td style="vertical-align: top;">Warranty</td> <td>Comprehensive warranty shall cover the whole system for 1 years (All charges, material, labour and other incidentals have to be borne by the supplier during the warranty)</td> </tr> <tr> <td style="vertical-align: top;">Brochure</td> <td>Enclose original brochure of manufacture</td> </tr> </table>	Standards	IEEE 802.11g,IEEE 802.11b,IEEE 802.11n,IEEE 802.3,IEEE	Device Management	Web-Based – Internet Explorer all ver. or later; Netscape Navigator or later; or other Java- enabled browsers.SNMP	Wireless Distribution System	AP Client,PtP Bridge,PtMPBridge, Repeater	Security	64, 128, 152-bit WEP,AES, TKIP,WPA2 802.1X (EAP-MD5, EAP-TLS, EAP-TTLS and EAP-PEAP) MAC Address Access Control (Wireless MAC Filtering)	Media Access Control	CSMA/CA with ACK	Wireless Frequency Range	Minimum 5.8 GHz	Wireless Signal Range	Indoors: Up to 500 meters Outdoors: Up to 1000 meters	Modulation Technology	Orthogonal Frequency Division Multiplexing (OFDM) Complementary Code Keying (CCK) DQPSK,DBPSK	Wireless Transmit Power	Minimum 25 DBI	Antenna Type	Must be internal	LED Indicators	Power , LAN (10/100/1000 Mbps) WLAN (Wireless Connection)	Temperature	Operating: 32°F to 140°F (0°C to 40°C) Storing: 4°F to 149°F (-20°C to 65°C)	Humidity	95% maximum (non-condensing)	Power Input	Ext. Power Supply 100v-230v 50Hz, 10W or above	Warranty	Comprehensive warranty shall cover the whole system for 1 years (All charges, material, labour and other incidentals have to be borne by the supplier during the warranty)	Brochure	Enclose original brochure of manufacture
Standards	IEEE 802.11g,IEEE 802.11b,IEEE 802.11n,IEEE 802.3,IEEE																																	
Device Management	Web-Based – Internet Explorer all ver. or later; Netscape Navigator or later; or other Java- enabled browsers.SNMP																																	
Wireless Distribution System	AP Client,PtP Bridge,PtMPBridge, Repeater																																	
Security	64, 128, 152-bit WEP,AES, TKIP,WPA2 802.1X (EAP-MD5, EAP-TLS, EAP-TTLS and EAP-PEAP) MAC Address Access Control (Wireless MAC Filtering)																																	
Media Access Control	CSMA/CA with ACK																																	
Wireless Frequency Range	Minimum 5.8 GHz																																	
Wireless Signal Range	Indoors: Up to 500 meters Outdoors: Up to 1000 meters																																	
Modulation Technology	Orthogonal Frequency Division Multiplexing (OFDM) Complementary Code Keying (CCK) DQPSK,DBPSK																																	
Wireless Transmit Power	Minimum 25 DBI																																	
Antenna Type	Must be internal																																	
LED Indicators	Power , LAN (10/100/1000 Mbps) WLAN (Wireless Connection)																																	
Temperature	Operating: 32°F to 140°F (0°C to 40°C) Storing: 4°F to 149°F (-20°C to 65°C)																																	
Humidity	95% maximum (non-condensing)																																	
Power Input	Ext. Power Supply 100v-230v 50Hz, 10W or above																																	
Warranty	Comprehensive warranty shall cover the whole system for 1 years (All charges, material, labour and other incidentals have to be borne by the supplier during the warranty)																																	
Brochure	Enclose original brochure of manufacture																																	
4	WI-FI ACCESS POINT	<p>802.11n complaint backward compatible 2.4 ghz/ up to 300 mbps wireless speed, multiple SSID ,Frequency band - 2.4000 ~ 2.4835GHz</p> <p>Wireless mode · Access Point, Wireless Client, Point to Point, Point to Multi Point, WDS</p>																																

		Wireless Security · Protected Client Authentication, 802.1x support, Static/Dynamic, IEEE802.11 WEP Keys, WPA, WPA2
5	UPS 1 kva	UPS Type: Sine Wave Input Voltage,140-300VAC Battery Type 12V / 7AH Battery Backup Time 50 min Typical Recharge Time 8 hours up to 90% capacity Storage Capacity 1000VA/500W Alarms Buzzer (Of some good Brand)
6	CAT 6 CABLE (300 MTR 1 BUNDLE) RATE FOR RUNNING MTR	Type: UTP, category 6, TIA / EIA 568-c.2 & iOS/iec 11801 Material: conductors should be 23 awg solid bare copper Surface Mount Face Plate & Box with CAT6 Work Area Data I/O Outlet (RJ45) adhering to ETL Verification program Category 6, TIA568.B.2-1 – 600MHz Information Outlet should be UL Listed and I/O box should be RoHS Compliant Be constructed of high impact with color and icon options for better visual identification. Integrated hinged dust cover using collapsible angular spring loaded shuttered technology. Face plate should be Single Gang square plate and Should have provision for Labeshuttered technology. Face plate should be Single Gang square plate and Should have provision for Labe

Terms & Conditions:-

- The quotation is to be submitted only in the format enclosed. Not acceptable in any other form.
- The quotation must be submitted in sealed envelope to the **office of the Store officer (Central Stores Medical College) AIIMS Bhopal.**
- Each page of the quotation must be printed on letter head of the Participants duly numbered.
- Failure to comply with any of these conditions will lead to rejection of the quotation and Responsibility for the same will lie with the participants submitting the quotations.
- **F.O.R.:** Rate quoted shall be fixed and on FOR destination Basis.
- **Tax:** Quotation must contain **VAT/TIN/PAN Number otherwise the quotation will not be considered.**
- Rate of applicable Tax should be shown separately.
- **Delivery Period:** Supply is required immediately from ready stock but Maximum Within a period of 07 Days
- **Payment:** Payment will be made within reasonable time from the date of acceptance of supply.
- **Repeat Order:** The rates quoted shall remain valid for **8 Months**, for the purpose of Repeat Order.
- **Penalty:** If the supply is not received within the Scheduled delivery period, a Penalty@ 0.5% per week or part there of subject to a maximum of 5% shall be imposed which will be deducted from the Invoice.
- **Right of rejection:** The Competent authority reserves all rights to reject any or all quotation without assigning any reason.
- **Warranty:** **Warranty Period should be Clearly stated on the quotation.(As per the Principle manufacture)**
- **Any Offer:** **Seasonal offers if available from manufacturer may please be indicated on Financial Bid which will be given along with supply.**

Financial Bid On Letter Head

Quotation Ref No:.....

Date:...../02/2017

Name of Bidder:

Address of Bidder:

Contact No:

E Mail ID:

Tin No :

Sr .No	No Of Floors	Device Name	Req Qty .	Brand	Model NO	MRP	Unit Rate in Rs .	Discount % if any	Net Unit Cost after Discount	Total Cost in Rs .
1	2	3	4	5	6	7	8	9	10=8-9	11
1	3	Wi-Fi Router	2							
2		Cat 6 cable	02 Bundles 305 Mtrs/Each							
3		24 Port Network Switch	1							
4		RF Device (20MBPS Support,5 Gigaherts)	1							
5		UPS 1 KVA (Of Good Brand)	1							
6		9 u rack	1							
Sub Total (A)										
VAT/CST/SERVICE TAX EXTRA @.....% in Rs.										
Total (Inclusive of All Taxes) in Rs .										

**** Please submit a brusher of the required product**

7. INSTALLATION CHARGES Extra (On the above required items) @ in Rs.....

. Seasonal offers if available from manufacturer may please be indicated here which will be given along with supply-----

Lowest rates will be worked out after including installation charges.

Date :

Place:

Seal & Signature