



ALL INDIA INSTITUTE OF MEDICAL SCIENCES

SAKET NAGAR, BHOPAL – 462024 (M.P.)

Notice Inviting Quotations

File No. AIIMS/IT/RF Connectivity/2014-15

Date: 12.11.2014

Sub: Regarding radiofrequency connectivity in AIIMS Bhopal Campus.

Name of the work: Renting, installation, maintenance and support of the Radio frequency antennas on monthly rental basis.

In reference to further plan of establishment of the internet connectivity at **AIIMS BHOPAL Campus** through point to point (Radio Frequency), sealed quotations are invited by the **Director AIIMS Bhopal** which will be received at the above office from the experienced IT Vendors who has been done similar type of works. A **point-to-point** connection refers to a communications connection between two nodes or endpoints. We distribute internet through Radio frequency (RF) channel.

A separate tender for supply of the same product is also under process and will be published soon. This project will exist till this tender is finalized and awarded. The selected party through this NIQ may also bid for the tender.

AIIMS Bhopal is a large campus situated at Saket Nagar, Habibganj, Bhopal spread over *approx. 147 acres*. There are multiple buildings mostly 4-7 storied. The campus is divided into 2 wings of Institutional Area (100 acres *approximately*) and Residential/Housing Area (47 acres *approximately*). There are 2 large buildings namely the Medical College building and the Hospital building in the institutional area. There are 2 seven storied hostels in the southern end to be served at this moment.

The Medical College building is already served with 100 MBPS optical fiber lease line. We desire wireless connectivity in the following buildings in the first phase.

The hardware will be hired on monthly rental basis for at least six months to begin with. This period of six months can be extended on the discretion of AIIMS Bhopal. The vendor is encouraged to visit the site and the campus and collect more details from the AIIMS Bhopal Technology Support Team by sending an e-mail on itsupport@aiimsbhopal.edu.in.

Contact Person for more information:

1. Anurag K. Shukla – 8458804784 – anurag.tsg@aiimsbhopal.edu.in
2. Satyendra Kr. Mishra – 7389920578 – satyendra.tsg@aiimsbhopal.edu.in
3. Mayank Sharma – 9893364889 – mayank.tsg@aiimsbhopal.edu.in

Connectivity to be done from AIIMS Bhopal Medical College:

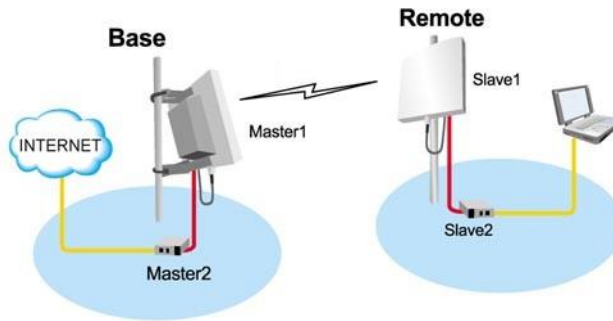
1. Medical College building to Hospital building-Northern end – *approx.* 500-600 mtrs.
2. Medical College building to Hostel No 2-South East end – *approx.* 400 mtrs.
3. Medical College building to Hostel No 1-Southern end – *approx.* 300 mtrs.
4. Medical College building to Guest House North east end – *approx.* 1000 mtrs.
5. Medical College building to Director Bungalow North east end – *approx.* 1000 mtrs.
6. Medical College building to Type -2 Nursing Hostel - North east end – *approx.* 1000 mtrs.
7. Medical College building to Type-V to Type-I blocks - North east end – *approx.* 1000 mtrs.

Period of completion	7 Days
Quotation opening date	25th Nov 2014

The following should be provided:

S. No.	Sub-Head and items of the work	Qty.	Rate to be quoted by Contractors inclusive all taxes and duties		Per	Amount
1.	Point-to-Point radio with integrated antenna including installation of tower and One Indoor Access Point (300 Mtr. Range) and CAT-6 as per use Technical Specification for this item mentioned below	1 Pair			Cum	
2.	Point-to-Multi Point radio with integrated antenna including installation of tower and One Indoor Access Point (300 Mtr. Range) and CAT-6 as per use Technical Specification for this item mentioned below	1 Pair			Cum	

Point to Point



Medical College

Other Location

Technical Specification:

Technical Specifications Wireless Access Point	
Standards	IEEE 802.11g, IEEE 802.11b, IEEE 802.11n, IEEE 802.3, IEEE 802.11
Device Management	Web-Based – Internet Explorer all ver. or later; Netscape Navigator or later; or other Java-enabled browsers. SNMP v.3
Wireless Distribution System	AP Client, PtP Bridge, PtMP Bridge, 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 3 years (All charges, material, labour and other incidentals have to be borne by the supplier during the warranty)
Brochure	Enclose original brochure of manufacture

Note: Rates should be provided both for point-to-point and point-to-multipoint RF Antenna may be required. In some areas, in-house installation of routers (wi-fi equipment) may be installed to provide open wifi to all user. Rental for all these on monthly basis should be provided.

Director (AIIMS Bhopal)

Terms & Conditions:

1. The quotations must be submitted in a sealed envelope duly mentioning the NIQ number and name of the work.
2. Time is the essence of the contract.
3. **PAYMENT TERMS:-** Payment shall be released after the successful completion of Supply (and installation) of the items and receipt of bill after deducting TDS as per Income tax Rules and any other deductions as per Government rules on monthly rental basis. Rental payment will start after completion of supply, after supply and installation of the work, with full satisfaction of the Engineer In-charge.
4. Payment shall be made through Account Payee Cheque or Electronic Clearing System only and the charges shall be deducted from the bill.
5. Tenderers may please note that they shall follow the safety and security procedures while working at AIIMS Bhopal as per the Institute's norms.
6. Tenderers may please note that the work should be executed as per the standard specification.
7. The work shall be carried out as per standard specifications as mentioned by AIIMS Bhopal and also as per manufacturers specifications as directed by Engineer-In-Charge.
8. If the contractor fails to maintain the required progress or to complete the work and clear the site on or before the expiry of contract period he shall on account of such breach, pay agreed compensation at ½% of the value of the work per week subject to maximum of 10% of tendered value of work.
9. AIIMS does not bind itself to accept the lowest or any other quotation, and reserves the authority to reject any or all of the quotations or to allot part of the works to different agencies without assigning any reason thereof. All quotations, in which any of the prescribed conditions is not fulfilled or the agencies put any condition not acceptable to AIIMS Bhopal including that of conditional rebate is liable to be summarily rejected.
10. The quotation must be quoted duly typed on the letter heads of the supplier / manufacturer duly mentioned full address, VAT No. / PAN No. / TDS No. / TIN No. and must be in a sealed cover which should be superscribed Quotation for "Name of work".

Director (AIIMS Bhopal)

Copy to :-

1. Director AIIMS, Bhopal.
2. Notice Board, Medical College.
3. Notice Board, Project Office, AIIMS Bhopal.
4. Notice Board, Maintenance Office, Type –III, Residential Area, AIIMS Bhopal.
5. I.T. Section, AIIMS Bhopal for Publication in Website