



NISCAIR

Tender Document

Tender No.	No. 18(32)/2010-Pur
Brief Title of the Tender	Establishment of Wi-Fi LAN System in NISCAIR

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Definitions

AMC	Annual Maintenance Contract
CSIR	Council of Scientific & Industrial Research, India
NISCAIR	National Institute of Science Communication and Information Resources
CST/LST	Central Sales Tax/ Local Sales Tax
CIF	Cost, Insurance & Freight
C/D Forms	Sales Tax forms
DAVP	Directorate of Audio Visual Publicity, Government of India
DGS&D	Directorate General of Supplies & Disposals
EMD	Earnest Money Deposit
FOR	Free on Road
FOB	Free on Board
FCA	Free Alongside Carrier
LC	Letter of Credit
No.	Number
NSIC	National Small Scale Industries Corporation
NIT	Notice Inviting Tender
Purchaser	National Institute of Science Communication & Information Resources (NISCAIR)
VAT	Value Added Tax
TE	Tender Enquiry

Section – 1

1.1 Introduction

The National Institute of Science Communication & Information Resources (NISCAIR) is a constituent unit of the Council of Scientific & Industrial Research (CSIR) (Visit us at <http://www.niscair.res.in>). NISCAIR has two campuses located in (1) Dr. K. S. Krishnan Marg, Pusa, New Delhi 110 012 and (2) Satsang Vihar Marg, Institutional Area, New Delhi 110067. The R&D Programmes being undertaken at NISCAIR are geared towards meeting the information needs of the different segments of the society. Apart from bringing out a variety of scientific and technical publications, providing information services and training in Science Communication, NISCAIR undertakes consultancy works in designing, editing printing, and publication of journals, books, and reports, etc.

National Institute of Science Communication and Information Resources (NISCAIR), New Delhi is interested to establish Wi-Fi LAN System at both the premises of NISCAIR for the use of R&D Activities.

1.2 Submission Details

Establishment of WiFi LAN System in NISCAIR

1	Last Date for Submission of Bid	28 th February, 2011 up to 2.30 PM
2	Date of Opening of Technical Bid	28 th February, 2011 at 3.00 PM
3	Date of Opening of Financial Bid	Will be separately informed to the Bidders whose bids are found Technically Qualified.

1.3 Eligibility Criteria:- Only those bidders are eligible who fulfil the following conditions:-

- a. The Bidder should be OEM and have ISO 9001 Certificate **or** his authorized System Integrator of the type of products offered. In case of System Integrator, a Letter of Authorization from OEM's (if more than one OEM) for the products offered, should be enclosed in the technical bid along with undertaking from the manufacturers in this regard stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well.. The bids received without authority letter along with desired undertaking and ISO Certificate from OEM, such bids are liable to be rejected.
- b. The bidder should have its own service centre in Delhi or NCR for providing warranty obligations and after sales service and support.
- c. The firm should have a turnover of more than ₹ 2 Crore in the last three financial years.
- d. Firm should have executed two work contracts of establishment of WiFi LAN work contracts of more than sixty laks each. Copy of the same may be enclosed in technical bid.
- e. The bidder shall provide the following documents:
 1. LST / CST / WCT No.
 2. Registration number of the firm. Copy of incorporation of firm / company may be enclosed.
 3. PAN Number.
 4. Firm should have executed two work contracts of establishment of WiFi LAN work contracts of more than sixty laks each. Copy of the same may be enclosed in technical bid.
 5. Copy of the last three financial years audited balance sheet of the company.

6. Proof of Manufacturer's authorization.
7. Valid ISO 9000 certificate

Bidders are requested to submit their Bids in three separate envelopes **1. EMD Envelope, 2. Techno-Commercial Bid Envelope and 3. Financial Bid Envelope**, duly sealed in one envelope and super scribed the outer envelope "Tender No. **18(32)/2010-Pur for Establishment of Wi-Fi LAN System in NISCAIR dated, 2011** and addressed to Director, National Institute of Science Communication and Information Resources (NISCAIR), Dr. K.S. Krishnan Marg, New Delhi – 110 012. **Techno-Commercial Bid and Financial Bid should be identical in all respects except that in the Techno-Commercial Bid should have blank spaces where prices are to be indicated should be left blank.** Quotations must reach this office **latest by 28 February, 2011 up to 2.30 PM.** Quotation will be opened on **28th February, 2011 at 3.00 PM** in the Committee Room at First Floor, NISCAIR, PUSA. Bidders are invited to attend the Quotation Opening Meeting on 28th February, 2011 at 3.00 PM. NISCAIR will not pay any charges to you for attending the meeting. Quotation will be opened on scheduled date and time irrespective of the bidder or bidder's representative presence. **In case due to any reason Govt. of India/CSIR – NISCAIR will be declared holiday on date of opening of quotation then the quotation will be opened on the next working day at the same time. No separate intimation will be send to bidders in this regard.**

1.4 Purchase of Tender Document

Bidders may purchase the Tender Document from the NISCAIR Book Shop, Dr. K.S. Krishnan Marg, Near Pusa Gate, New Delhi – 110 012 for **₹300.00 (Rupees three hundred only)** payable by Demand Draft/Pay Order/Banker's Cheque of a scheduled nationalised bank in favour of Director, NISCAIR, New Delhi on any working day (Monday to Friday except Gazetted Holidays between 9.30 AM to 5.00 PM from 04.2.2011 to 25.2.2011). Bidders can also down load the Tender Document from the NISCAIR website niscair.res.in on free of cost.

- **No Tender Fee is required in case of downloading the Tender Document from the website.**
- **Tender document is not transferable and the cost of the tender document is not refundable**

1.5 Invitation for the Bid

Sealed separate Bids are invited under **Two Bids System** i.e. **1. Techno-Commercial Bid and 2. Financial Bid** for the **Establishment of Wi-Fi LAN System** required to be supplied, installed and commissioned at both the NISCAIR premises, Near PUSA New Delhi-110012 and Near JNU SV Marg, New Delhi- 110067. **Techno-Commercial Bid and Financial Bid should be identical in all respects except that in the Techno-Commercial Bid should have blank spaces where prices are to be indicated should be left blank.**

I. Techno-Commercial Bid should consist of:

- Bid Form (Annexure-1)
- Copy of the last audited balance sheet of the company
- Income tax registration details and latest income tax clearance certificate
- Proof of manufacturer's authorisation (if applicable)
- Technical details of the goods and services offered;
- Statement of deviation from the technical specifications (Annexure-2);
- Copies of relevant work orders
- Certificate of Registration of firm
- Certificate of Value Added Tax/Central Sales Tax/Local Sales Tax Registration No.
- Authorized Service Provider Certificate from the Bidder/Manufacturer only.
- Photocopy of Warrantee Agreement between the Bidder and the Service Provider

- Technical Literatures/Brochures/Catalogues of the quoted products.

Commercial Terms:-

- Percentage rate of Value Added Tax / Central Sales Tax / Local Sales Tax, Octroi, freight and forwarding charges, handling charges, loading/unloading charges, and any other tax / charge as applicable should be clearly mentioned.
- Validity period of Quotation
- Delivery Period
- Payment Terms
- Warranty
- Discount
- Terms of Delivery
- Performance Bank Guarantee
- Liquidated Damages

II. Financial Bid should consist of:

Basic Price, Chargeable amount of Taxes, Transportation charges, installation charges, Octroi and handling charges etc. if any, Bid Form (Annexure-3)

Estimated quantity and Financial Bid Analysis (Annexure-4)

Statement of deviations from financial terms and conditions (Annexure-5)

Price Schedule Warranty (Annexure-6)

Section – 2

2. Technical Specifications:

2.1 Wireless Controller*

System Information and limits	<ul style="list-style-type: none"> • Should support 802.11a/b/g/n wireless standards • Should support 50 Access Points • Controller should have stacking option and max 3 controllers should be stacked. • One Captive Portal per Controller should be supported • L2 fast roaming support between the APs • L3 fast roaming support with encrypted tunnelling between the APs and the controller • Should support 64 VLANs for SSIDs and 1 configurable management VLAN • Should support VRRP-based 1:1 redundancy (L2) for Controller Redundancy
IP and VLAN Configuration	<ul style="list-style-type: none"> • Controller should have integrated DHCP Server and Multiple DHCP server/pool can be added for different VLANs (up to 64) • Should support One Management VLAN (with configurable VLAN ID) • Should support 64 VLANS / Multiple SSIDs • The Wireless Controller must have IP connectivity with the access points through the management VLAN. If the Controller and the APs are on different management VLANs, external VLAN routing must allow IP connectivity between the Controller and the APs.
RF Planning and Monitoring	<ul style="list-style-type: none"> • Controller should support Integrated Deployment Planning with Hierarchical view of the network: Floor maps upload and floor maps dimensions input, automated RF planning algorithm: Computed number of APs required to cover a floor plan and theoretical cloud coverage indicated for each AP for positioning assistance on the floor plan • Controller should support RF Monitoring. This includes • Coverage computing per floor plan • Alert for any detected coverage holes with mitigation options with neighbouring APs • Rogue AP/blacklisted clients triangulation
RF Management	<ul style="list-style-type: none"> • Controller should support Automatic Channel Allocation Should support Automatic Power Control. Neighbourhood scan of RF environment to minimize neighbouring AP interference and leakage across floors. • Controller should have Coverage Hole Detection feature. It should alert when APs are down or compromised RF environment is detected. It should also have Self healing - Automatic neighbouring AP power increase to fill in for coverage losses

	<ul style="list-style-type: none"> • Controller should support Load Balancing. This includes: <ul style="list-style-type: none"> • AP load monitoring and overload prevention • Client redirection to lightly loaded neighbouring APs Controller should support Fast Roaming. This includes Seamless rapid mobility across VLAN and subnets Includes 802.11i pre-auth and fast roaming • Fast roaming support across L2, and L3 for video, audio and voice over wireless client
Quality of Service	<ul style="list-style-type: none"> • Should support WMM Quality of Service. • WMM (802.11e) prioritizes traffic for both upstream traffic from the stations to the access points (station EDCA parameters) and downstream traffic from the access points to the client stations (AP EDCA parameters) have WMM Queues in Decreasing Order of Priority support. <ul style="list-style-type: none"> ○ Should have WMM Power Save Option • Rate Limiting <ul style="list-style-type: none"> ○ Rate limit per SSID set as a percentage of total available bandwidth
Wireless Security	<ul style="list-style-type: none"> • Client Authentication Protocols: <ul style="list-style-type: none"> ○ Open, WEP, WPA/WPA2-PSK • 802.11i/WPA/WPA2 Enterprise with standard interface to external AAA/RADIUS Server ○ Should support Distinct AAA Server per SSID • Should support RADIUS Accounting Protocol • Should support LDAP-based Authentication Integrated AAA Server • Guest Access: <ul style="list-style-type: none"> ○ Integrated captive portal available for client authentication in a security profile ○ Password based authentication mode: Local user store available, receptionist assigned user name/password • Open authentication mode: • Guest auto registration with email address • Extraction of logs of guest activity • Captive Portal: <ul style="list-style-type: none"> ○ Configurable portal page, including image files • Rogue Access Points • <ul style="list-style-type: none"> ○ Rogue AP definition: AP with radio SSID observed by any of the managed APs and seen transmitting on same L2 wired network ○ Detection and mapping of up to 512 rogue APs
<ul style="list-style-type: none"> • Management 	<ul style="list-style-type: none"> • Management Interface HTTP, SNMP v1/v2c, telnet, Secure Shell (SSH) Logging and Reporting • Diagnostics: Managed access points ping • Maintenance: Save/restore configuration, restore to factory defaults, admin password change, add user (read- only), firmware upgrade via Web browser for the Wireless Controller and the managed access points • Dual Boot Image Support • SNMP v1/v2c

<ul style="list-style-type: none"> • Hardware 	<ul style="list-style-type: none"> • Gigabit RJ45 Ports LAN Switch 4-port 10/100/1000 • Flash Memory / RAM 8 MB + 2 GB CF/1 GB DDR2 • USB Port 1 port for USB storage
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*If the Wireless Network Monitoring / Management software is not integrated with the controller, please quote separately.

2.2 Access Points

Standards	<ul style="list-style-type: none"> • IEEE 802.11n draft 2.0 specification, 2.4 GHz and 5.0 GHz • IEEE 802.11a 5.0 GHz • IEEE 802.11g, IEEE 802.11b, 2.4 GHz • WMM - Wi-Fi Multimedia prioritization • Wireless Distribution System • IEEE 802.3af Power over Ethernet (PoE) • Maximum Throughput 300 Mbps • Support up to 8 SSIDs and 64 Users
Physical Interfaces	<ul style="list-style-type: none"> • One (1) 10/100/1000BASE-T Gigabit Ethernet (RJ-45) port with Auto Uplink (Auto MDI-X) with IEEE 802.3af Power over Ethernet (PoE) support • Power adapter: 12V DC, 1A • Five (5) LEDs: Power, test, 100/1000 Mbps, link/ACT, 2.4 GHz band, 5.0 GHz band • One (1) console port with standard RS-232C interface with DB-9 male connector • Minimum two (2) reverse SMA antenna connectors
Power over Ethernet Required	<ul style="list-style-type: none"> • Up to 12.8W
Security	<ul style="list-style-type: none"> • Wi-Fi Protected Access (WPA, WPA2) • Wired Equivalent Privacy (WEP) 64-bit, 128-bit encryption • IEEE 802.1x RADIUS authentication with EAP TLS, TTLS, PEAP • Wireless access control to identify authorized wireless network devices • MAC address authentication for upto 256 users • VPN pass-through support • Secure SSH telnet • Secure Sockets Layer (SSL) remote management login
Network Management	<ul style="list-style-type: none"> • Remote configuration and management through Web browser, SNMP or telnet with Command Line Interface (CLI) • SNMP management supports SNMP MIB I, MIB II, 802.11 MIB and proprietary configuration MIB

Advanced Wireless Features	<ul style="list-style-type: none"> • Point-to-point wireless bridge mode • Point-to-multipoint wireless bridge mode • Repeater mode • Simultaneous wireless bridge and access point mode • Wireless Distribution System (WDS) • Adjustable transmit power control (TPC) from 100 mW down to 0 mW
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Controller and Access Points should be of the same make.

2.3 WLAN Switch

Network Protocol and Standards Compatibility	<ul style="list-style-type: none"> • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3z 1000BASE-X • IEEE 802.3x full-duplex flow control • IEEE 802.3af (Power over Ethernet)
Network Ports	<ul style="list-style-type: none"> • 24 10/100/1000 Mbps auto-sensing, Gigabit Ethernet • 2 combo Gigabit copper/SFP slots
Performance Specifications	<ul style="list-style-type: none"> • Forwarding modes: Store-and-forward • Bandwidth 48 Gbps • Network latency: <2,900 ns for 64-byte frames in store-and-forward mode for 1,000 Mbps to 1,000 Mbps transmission • Buffer memory: 3 Mb per system • Address database size: 4,000 media access control (MAC) addresses per system • Addressing: 48-bit MAC address • Mean time between failure (MTBF): 165,589 hours (~19 years)
Administrative Switch Management	<ul style="list-style-type: none"> • IEEE 802.1Q static VLAN (128 groups, static) • Voice VLAN • IEEE 802.1p Class of Service (CoS) • Port-based QoS • DSCP-based QoS • IEEE802.3ad link aggregation (manual or LACP) • IEEE 802.1D Spanning Tree Protocol • IEEE 802.1w Rapid Spanning Tree Protocol • SNMP v1, v2c, v3 • RFC 1213 MIB II • RFC 1643 Ethernet interface MIB • RFC 1493 bridge MIB • RMON group 1, 2, 3, 9 • RFC 2131 DHCP client • IEEE 802.1x • Jumbo frame support • Port-based security by locked MAC addresses • Layer 2 and 3 ACLs • Storm control for broadcast, multicast and unknown unicast packets • IGMP snooping v1/v2

	<ul style="list-style-type: none"> • Port-based ingress rate limiting • SNMP • Port mirroring support (many to one) • Web-based configuration • Configuration backup/restore • Password access control • RADIUS support • TACACS+ support • Syslog • Firmware upgradeable
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2.4 Wireless Repeater

Standards and Port Configuration	<ul style="list-style-type: none"> • IEEE 802.11 b/g/n 2.4 GHz • Four (4 LAN) Fast Ethernet ports
Security	<ul style="list-style-type: none"> • Wi-Fi Protected Access (WPA/WPA2—PSK) and WEP
Advanced Features	<ul style="list-style-type: none"> • Repeats 2.4 GHz Wi-Fi signals from devices made by any brand • Dynamic LEDs display real-time network connection status • Four (4) Fast Ethernet ports
Ease of Use	<ul style="list-style-type: none"> • CD-less installation • Push ‘N’ Connect using Wi-Fi Protected Setup (WPS)

2.5 Wireless LAN USB 2.0 Adapter, 802.11n

Specifications	<ul style="list-style-type: none"> • 802.11 b/g/n compatible • Conforms to USB 2.0 standard • Supported data transfer rates 54,11,5.5,2.0,1.0 Mbps • 128-bit WEP (Wired equivalent privacy) encryption • WPA and WPA2 encryption • Suitable for all current network environments
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2.6 Unified Threat Management Appliance

General Specifications

- Product or OEM should be ISO 9001-2000 Certified
- OEM should have regional presence for sales & support
- comply FCC and CE

norms match following criteria

- a. Hardware platform must be 64 bit
- b. 10 number of 10/100/1000 interface with Hardware Bypass
- c. 25,000 number of new connection
- d. 700,000 number of concurrent connection
- e. 3000Mbps Firewall throughput
- f. 1000Mbps IPS throughput
- g. 550Mbps UTM throughput

i. 750Mbps Anti Virus throughput

- have unrestricted user/node license
- work as standalone HTTP proxy server with integrated Firewall, Anti Virus, Anti Spam, Content filtering, IPS
- support User based policy configuration for security & internet management.
- provide appliance reports based on user not only on the basis of IP address.
- Administration, Authentication & General Configuration
- support administration via secured communication over HTTPS, SSH and from Console
- be able to export and import configuration backup including user objects
- support Route (Layer 3)/transparent mode (Layer 2).
- support integration with Windows NTLM, Active Directory, LDAP, Radius or Local Database for user authentication.
- support automatic transparent Single Sign on (ASSO) for user authentication. SSO must be proxy independent and support all applications for authentication.
- support Dynamic DNS configuration.
- provide bandwidth utilization graph on daily, weekly, monthly or yearly for total or individual ISP link.
- provide real time data transfer/bandwidth utilization done by individual user/IP/application.
- support Parent Proxy with IP/FQDN support.
- support NTP.
- support user/IP/MAC binding functionality to map username with IP address & MAC address for security reason.
- support session time out & Idle time out facility to forcefully logout the users.
- support ACL based user creation for administration purpose.
- support LAN bypass facility in case appliance is configured in Transparent mode.
- support SNMP v1, v2c & v3.
- provide flexible, granular role-based GUI administration.
- support of Thin Client (Microsoft TSE, Citrix) authentication and must be able to differentiate users coming from same IP address

Multiple ISP Load Balancing and Failover

- support load balancing & failover for more than 2 ISP.
- support explicit routing based on Source, Destination, Username, Application.
- support weighted round robin algorithm for Load balancing.
- provide option to create failover condition on ICMP, TCP or UDP protocol to detect failed ISP connection.
- have Active/Active (Round Robin) and Active/Passive gateway load balancing and failover support.

High Availability

- support High Availability Active/Passive or Active/Active
- be ICSA certified High Availability solution.

Firewall

- be standalone appliance with hardened OS.
- be ICSA & Webcoast checkmark certified firewall.
- support stateful inspection with user based one-to-one & dynamic NAT, PAT.
- support user identity as matching criteria along with Source/Destination IP/Subnet/group, destination Port in firewall rule.

- facilitate to apply unified threat policy like AV/AS, IPS, Content filtering, Bandwidth policy & policy based routing decision on firewall rule for ease of use, also unified threat controls must be applied on inter zone traffic.
- support user defined multi zone security architecture.
- have predefine application based on port/Signature & also support creation of custom application based on port/protocol number.
- support in-bound NAT load balancing.
- support 802.1q VLAN tagging support.
- support dynamic routing like RIP1, RIP2, ISPF, BGP4.
- provide alert message on Dash Board whenever default password is not changed, non secure access is allowed & module subscription is expiring.
- provide Mac Address (Physical Address) based firewall rule to provide OSI Layer 2 to Layer 7 security
- be support IPv6 as per www.ipv6ready.org guidelines
- support 3G UMTS, GSM, GPRS modem via USB interface for VPN and Gateway Failover Load Balancing.

IPS

- be webcoast checkmark certified.
- have signature based and protocol anomaly based Intrusion prevention system.
- have 3500+ signature database.
- support creation of custom IPS signature.
- support creation of multiple IPS policy for different zone instead of blanket policy at interface level.
- support configuration option to disable/enable category/signature to reduce the packet latency.
- give username along with IP in IPS alerts and reports.
- automatically takes update from update server
- support blocking of anonymous open HTTP Proxy running on 80 port or any other port & also should support client based open proxy like Ultra surf. .
- able to detect & block known P2P based instant messaging application like skype & known chat application like WLM, Rediffbol etc.
- should generate the alerts for attacks
- generate historical reports based on top alerts, top attackers, severity wise, top victims, protocol wise.

Gateway Antivirus

- have an integrated Anti Virus solution.
- have webcoast checkmark certification for Anti virus/Anti Spyware.
- work as SMTP proxy not as MTA or relay server.
- support scanning for SMTP, POP3, IMAP, FTP, HTTP, FTP over HTTP protocols.
- The basic virus signature database of proposed solution should comprise complete wild list signatures and variants as well as malware like Phishing, spyware.
- have facility to add signature/disclaimer in mails.
- support on appliance quarantined facility and also personalized user based quarantine area.
- support blocking of dynamic/executable files based on file extension.
- For SMTP traffic, support following actions for infected, suspicious or protected attachments mails:
 - a. Drop mail,
 - b. Deliver the mail without attachment,

- c. Deliver original mail,
- d. Notify to administrator

- support multiple anti virus policy for sender/recipient email address or address group for notification setting, quarantine setting & file extension setting instead of single blanket policy
- update the signature database at a frequency of less than one hour & it should also support manual update.
- For POP3 & IMAP traffic, strip the virus infected attachment & send notification to recipient & Admin.
- scan http traffic based on username, source/destination IP address or URL based regular expression.
- provide option to bypass scanning for specific HTTP traffic.
- support real mode & batch mode for HTTP virus scanning.
- provide historical reports based on username, IP address, Sender, Recipient & Virus Names.
- have virus detection rate above 98%. Submit the required document.

Gateway Anti Spam

- have an integrated Anti Spam solution.
- have webcoast checkmark certification for Anti Spam.
- have configurable policy options to select what traffic to scan for spam.
- support spam scanning for SMTP, POP3, IMAP.
- support RBL database for spam detection.
- support mail archive option to keep copy of incoming & outgoing mails to administrator defined email address.
- have multiple configurable policy for email id/address group for quarantine setting, different actions instead of blanket policy.
- support on appliance quarantined facility and also personalized user based quarantine area with email release option
- support real time spam detection & also supports proactive virus detection technology which detects and blocks the new outbreaks immediately and accurately.
- support IP/Email address white list/Black list facility.
- support option to enable/disable antispam scanning for SMTP authenticated traffic.
- support spam detection using Recurrent pattern detection technology (RPD) to identify spam outbreaks.
- support language independent spam detection functionality.
- block image based spam mails i.e. email message with text embedded in a image file.
- provide historical reports based on username, IP address, Sender, Recipient & spam category.
- provide Anti-Spam Message Digest feature per user.

Proxy Solution Web Content Filtering

- The proposed solution should be webcoast checkmark certified.
- be integrated solution with local database instead of querying to database hosted somewhere on the internet.
- work as Standalone HTTP proxy.
- have its own category based URL database.
- have following features inbuilt
 - a. Should able to block HTTPS based URLs with the help of Certificates.
 - b. Should able to block URL based on regular expression
 - c. Should support exclusion list based on regular expression

- d. Must have support to block any HTTP Upload traffic.
- e. Should able to block Google cached websites on based of category.
- f. Should able to block website hosted on Akamai.
- g. Should able to identify & block requests coming from behind proxy server on the base of username & IP address.
- h. Should able to identify & block URL translation request.
- support application control blocking features as follows
 - a. Should able to block known Chat application like Yahoo, MSN, AOL, Google, Rediff, Jabber etc
 - b. Should support blocking of File transfer on known Chat application and FTP protocol.
- block HTTP or HTTPS based anonymous proxy request available on the internet.
- provide option to customize Access denied message for each category.
- be CIPA compliant and should have predefined CIPA based internet access policy.
- be able to identify traffic based on Productive, Neutral, unhealthy & non working websites as specified by admin.
- have specific categories that would reduce employee productivity, bandwidth choking sites and malicious websites.
- able to generate reports based on username, IP address, URL, groups, categories & category type.
- support search criteria in reports to find the relevant data.
- support creation of cyclic policy on Daily/Weekly/Monthly/Yearly basis for internet access on individual users/group of users.
- support creation of internet access time policy for individual users or on group basis.
- support creation of Data transfer policy on daily/weekly/monthly/yearly basis for individual user or group basis.
- have integrated bandwidth management.
- able to set guaranteed and burstable bandwidth per User/IP/Application on individual or shared basis.
- provide option to set different level of priority for critical application.
- provide option to define different bandwidth for different schedule in a single policy & bandwidth should change as per schedule on the fly.
- provide web category based bandwidth management and prioritization.
- provide logging and extensive controls on Instant Messaging (IM) traffic for Yahoo and MSN messengers
 - a. Log of chat sessions for all or specific set of users.
 - b. Rules to control allow or deny chat, voice, web cam and file transfer for specific ID or Group of IDs.
 - c. Archive of transferred files.
 - d. Antivirus scanning on file transferred.

VPN

- be webcoast checkmark certified.
- be VPNC Basic interop & AES interop certified.
- support Ipsec (Net-to-Net, Host-to-Host, Client-to-site), L2tp & PPTP VPN connection.
- support DES, 3DES, AES, Twofish, Blowfish, Serpent encryption algorithm.
- support Pre-shared keys & Digital certificate based authentication.
- support Main mode & Aggressive mode for phase 1 negotiation.
- support external certificate authorities.
- support export facility of Client-to-site configuration for hassle free VPN configuration in remote Laptop/Desktop.
- support commonly available Ipsec VPN clients.

- support local certificate authority & should support create/renew/Delete self signed certificate.
- support VPN failover for redundancy purpose where more than one connections are in group & if one connection goes down it automatically switch over to another connection for zero downtime.
- have preloaded third party certificate authority including Verisign / Entrust.net / Microsoft and provide facility to upload any other certificate authority.
- support Threat free Ipsec/L2TP/PPTP VPN tunnel.
- provide on appliance SSL-VPN solution with Web Access (Clientless), Full Tunnel and Split Tunnel control. Solution should provide per user / group SSL-VPN access (Must be free license for unlimited users)
- SSL-VPN solution should be certified by VPNC for SSL Portal / FireFox Compatibility / Java Script / Basic and Advanced Network Extensions.

Logging and Reporting

- have On-Appliance integrated reporting solution.
- support minimum 1000+ drill down reports.
- provides reports in HTML, CSV, PDF, Excel & graphical format.
- support logging of Antivirus, Antispam, content filtering, Traffic discovery, IPS, Firewall activity on syslog server.
- provides detailed reports for all files uploaded via HTTP or HTTPS protocol. The report should include username/IP address/URL/File name/Date and Time.
- provide data transfer reports on the based of application, username, IP address.
- provide connection wise reports for user, source IP, destination IP, source port, destination port or protocol.
- The proposed system solution provide approximate 45 regulatory compliance reports for SOX, HIPPA, PCI, FISMA and GLBA compliance.
- support Auditing facility to track all activity carried out Security appliance.
- support multiple syslog server for remote logging.
- forward logging information of all modules to syslog servers.
- have configurable option for email alerts/automated Report scheduling.
- be able to provide detailed reports about all mails passing through the firewall.
- provide reports for all blocked attempts done by users/ IP address.
- be capable to derive logs and reports of proprietary devices including UTMs, Proxy Firewalls, Custom Applications and Syslog-compatible devices.
 - a. be capable to provide Multiple Dashboard Report along with custom to customize the dashboards.
 - b. The proposed inbuilt reporting solution should be capable to do the forensic analysis to help organizations reconstruct the sequence of events that occurred at the time of security breach through iView logs and reports.

3. Quantities Required (BOM):

S.No.	Description	Reference to Specs	Qty	Units
3.1 Active Components				
1.	24 Port Gigabit WLAN Switch	2.3	8	Nos
2.	Wireless Access Point	2.2	80	Nos
3.	Wireless Controller	2.1	2	Nos
4.	Wireless LAN USB 2.0 Adapter, 802.11n	2.5	10	Nos
5.	Wireless Repeater	2.4	8	Nos
6.	UTM	2.6	2	Nos
7.	16 dbi omni-directional antenna for external AP		12	Nos
8.	16 dbi uni -directional antenna for external AP		8	Nos
9.	Multimode Fibre Module for WLAN Switch		8	Nos
3.2 Passive Components				
10.	24 port Jack Panel		8	Nos.
11.	24 port Fibre LIU		4	Nos
12.	CAT 6 UTP Cable (Box) please specify length		24	Nos
13.	Box (please specify wooden / steel / plastic / rubber) for Access Points		66	Nos
14.	Fibre Cable (12 core) multimode for Connectivity Between Buildings – 50 µm		400	Meters
15.	Fibre Connectors		24	Nos
16.	Fibre Couplers		24	Nos
17.	Fibre Patch Cable (please specify length)		8	Nos
18.	CAT6 Patch Cable 3 ft.		96	Nos.
19.	ST Blank Panel		4	Nos
20.	Weather Proof Box		14	Nos
21.	12 U Rack with accessories		4	Nos
22.	1” HDPE Pipe for Fibre 1” GI Pipe (Quote Per Meter) Bill To Actual Usage OFC Route Marker (As per actuals) Please quote unit cost		500	Meters
23.	RJ 45 connectors		200	Nos.
24.	Double Lock PVC Channel / Conduits (Pl. quote for 4”, 2” & 1”) unit cost (billing on actuals)		2400	Meters
3.3 Works				
25.	Secure mounting of APs in the boxes		80	Nos.
26.	Fibre Termination		24	Nos.
27.	Fibre cable laying	Length	400	Meters
28.		Digging	3	Ft.
29.		Soil Foundation	½	Ft.
30.		GI Pipe	400	Meters
31.		HDPE Pipe	400	Meters
32.	Laying of GI/HDPE/PVC Channel/Conduits for cabling from switch locations to AP locations		2400	Meters
33.	Laying of UTP Cable from PoE Switches location to AP Location		7000	Meters
34.	Fixing of RJ45 connectors where ever required		160	Nos.
35.	System integration		1	No

Works are paid on the basis of computerised measurement book provided by the supplier and verified by the NISCAIR Engineer.

These quantities are tentative and given for working out Lowest quoted. The payment/execution will be as per actuals.

4. Supply, Fixing & Cabling of Associated Components:

The Vendors should also quote the cost of cabling of network separately for Pusa and S.V. Marg Campuses in their commercial bids. Cabling will include supply, civil work, fixing and installation.

While quoting, the vendor will have to propose the Installation Plan, which should include the number and type of Access Points required. Any other Hardware or item required to implement the Total Solution should be mentioned separately in the Technical Bid Bill of Material

NISCAIR, through a fter survey has prepared a deployment plan to cover the desired areas , Vendors are free to propose an alternative more efficient plan which will cover both the campuses. The quantity mentioned in the BOM is approximate. Vendors are requested to inspect the sites before quoting for the Tender.

5. The Areas to be Covered with tentative number of APs :

Tentative Plan for the Deployment of Wi-Fi in Pusa Campus NISCAIR

S. No	Building	Indoor (802.11n) AP's	Outdoor(802.11n) AP's
	Main Building		4
1.	Ground Floor	5	
2.	Main Reception	1	
3.	1 st Floor	7	
4.	2 nd Floor	7	
5.	Canteen	1	
6.	Annexe Building		3
7.	Ground Floor	3	
8.	1 st Floor	4	
9.	2 nd Floor	4	
10.	Stores	1	
	Total (40)	33	7

Tentative Plan for the Deployment of Wi-Fi in S.V.Marg Campus NISCAIR

S.No	Building	Indoor (802.11n) AP's	Outdoor(802.11n) AP's
	Main Building		
1.	Ground Floor	7	
2.	1 st Floor	7	
3.	2 nd Floor	7	
4.	3 rd Floor	8	7
5.	Hostel Wing	4	
	Total (40)	33	7

Vendors may come and conduct a survey of the areas to be covered in both the campuses. They can mail any information regarding site survey.

6. General Terms & Conditions Applicable on Placement of Order

6.1. Payment Terms:-

Payment of amounting to 50% of the IT components will be released after successful delivery and submission of Bank Guarantee for an equivalent amount. The remaining amount of the total work order will be released after successful installation and commissioning of the WiFi LAN system in NISCAIR and furnishing of a Performance Bank Guarantee for 10% of the total work order. Bank Guarantee obtained against satisfactory delivery of IT component shall be released after successful installation and commissioning of the WiFi LAN System.

6.2. Earnest Money Deposit (EMD):-

The bidder shall have to deposit EMD for an amount of ₹ 3,00,000.00 (Rupees Three Lakh only) in the form of Demand Draft/Banker's Cheque/Pay Order/Bank Guarantee (Annexure-VIII) in favour of Director, NISCAIR, New Delhi valid for 180 days (on non-judicial stamp paper).

Bids received without EMD will not be considered.

EMD of Un-Successful bidders (not technically qualified) will be returned within 15 days from the date of award of contract. The EMD of the successful Bidders will be returned within 30 days after submission of Performance Bank Guarantee of 10% of the total contract value. The EMD may be forfeited if a bidder withdraws its bids and in case of successful bidder fails to sign the contract.

Exemption of Earnest Money Deposit: Firms registered with Directorate General of Supplies & Disposals and National Small Scale Industries Corporation may be exempted from payment of EMD if the product being quoted is actually manufactured by them and the same quoted product is registered with these agencies. Firms registered with these agencies selling products of other companies and not manufacturing the products being quoted by them are not allowed exemption from payment of EMD. Firms are to submit a legible photocopy duly attested, of Registration Certification of the products manufactured and registered with DGS&D and NSIC for availing EMD exemption before opening of Techno-commercial Bids, otherwise tender submitted by them may not be considered.

6.3. Sales Tax/Vat/Service Tax:- NISCAIR is not authorized for submission of Sales Tax concessional form and chargeable amount of Sales Tax/VAT/Service Tax with chargeable percentage may be clearly mentioned in the quotation. If, total amount of tax and percentage of applicable chargeable tax not mentioned in the quotation, it will be presumed that amount quoted by you are inclusive of all taxes and no extra amount will be paid to you in account of taxes apart from the basic cost. TIN number and CST / ST number clearly mentioned in your quotation and Bill also.

6.4. Custom Duty/ Excise Duty:- NISCAIR is authorized for availing custom duty and Excise Duty exemption. Being an R&D institution, Govt. of India has authorized NISCAIR is exempted to pay Custom Duty vide their Notification No. 51/96-Customs dt. 23rd July, 1996 and also **exempted to pay Central Excise Duty vide their notification No. 10/97- Central Excise Duty dt. 1st May, 1997.**

7. Liquidated Damages/Penalty Clause for Late Delivery and Late Installation:-

1. Subject to operation of Force Majeure, time for delivery and acceptance is the essence of the contract.

2. In case of delay in supply on part of the supplier, a penalty @ 0.5% per week of order value will be charged for delayed period to a maximum of 10%
3. The same rate of penalty shall be applicable for late installation of the equipment also.
4. In case of non-supply of goods after the acceptance of purchase order, Earnest Money Deposit and Performance Bank Guarantee will be forfeited of the defaulting bidder and contract shall be awarded at the risk and cost of the defaulting bidder and difference, if any, between the total cost of the materials shall be chargeable to the defaulting bidder. In case the defaulting bidder fails to pay the differential cost, the legal action shall be taken against the defaulting bidder.

8. Rejection of Bids:

1. Director, NISCAIR reserves the right to accept or reject any bid or cancel the tender proceedings without assigning any reason whatsoever.
2. If a bidder gives wrong information in their bid, NISCAIR reserves the right to reject such bid at any stage and forfeit the Earnest Money Deposit / Performance Bank Guarantee and cancel the contract, if awarded.
3. Incomplete quotations are liable to be rejected.
4. If the technical offer contains any price information the offer will be summarily rejected.
5. Canvassing in any form in connection with the tenders is strictly prohibited and the bids submitted by the bidders who resort to canvassing are liable for rejection.
6. NISCAIR shall not pay any costs incurred towards preparation and submission of the bid or any other expenditure in this regard.
7. Unsigned tenders, unattested corrections and over writings by bidders are also liable for rejection.
8. Bids not adhering to the specifications will be out rightly rejected. (ix) Conditional bids will summarily rejected.
9. The schedule for accepting the tenders shall be strictly followed- late tenders shall not be accepted

9. Evaluation Process:

Financial Bid would be opened for the bidders satisfying the Eligibility Criteria, Compliance of the products offered and Technical Specifications, the price comparisons shall be made over the overall total cost of the required product with three years of comprehensive warranty. The bidder with the 'lowest price (L1)' will be chosen amongst the bidders satisfying the Qualifying Criteria & Technical Specifications.

For 'L1' computation the following cost will be used:

- a. Cost of items as per items mentioned under BOM plus cost of warranty as mentioned in annexure 6.

10. Performance Bank Guarantee:

1. The successful bidder shall be required to furnish Performance Bank Guarantee within 15 days of the placement of purchase order as under strictly in the prescribed Performa (Annexure-IV).
2. The successful bidder shall submit a Performance Bank Guarantee of 10% of the total contract value.
3. The Performance Security must be in the form of Demand Draft/Pay Order/Bank Guarantee of any Indian Nationalized/Scheduled Bank.
4. The Bank Guarantee should be valid for a minimum period of (36+2) 38 months

extendable to cover the warranty period. In case supplier fails to deliver the items within delivery period or provide unsatisfactory after sales service within the warranty period, the Performance Bank Guarantee submitted by the bidder is liable to be revoked and the Institute will claim the amount of Bank Guarantee.

5. Failure to comply or withdraw bid during validity period shall tantamount to forfeiting Earnest Money Deposit.
6. Performance Bank Guarantee shall be released after two months on the satisfactory completion of warranty period. No interest will be payable by NISCAIR, Pusa, Delhi on the Performance Bank Guarantee.

Un-signed bids may not be considered.

The Director, NISCAIR reserves all the rights to accept or reject / cancel in part or in full to any or all the quotations without assigning any reason thereof.

Packing, forwarding and Octroi charges, etc. if any, be clearly mentioned in the quotation otherwise, it will be presumed that these charges are inclusive and no payment will be made to you extra to the basic cost.

Amount quoted in the Financial Bid must be mentioned in figure and words. If any discrepancies found in the figure and words the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error in which case the amount in figure shall prevail.

Bidders are requested to deposit the Quotation in the NISCAIR Book Shop, NISCAIR, Dr. K.S. Krishnan Marg, New Delhi before the submission date and time. Quotation received by post must be addressed to the Stores and Purchase Officer, NISCAIR, Dr. K.S. Krishnan Marg, Pusa, New Delhi – 110 012 and must be reached to this office before scheduled date and time. NISCAIR is not responsible in receiving of any delay quotation due to any postal delay and postal strike, which shall be straightaway rejected.

Technical Bid will be opened on scheduled date and time in presence of the bidders, if any. Financial Bid will be opened only for those bidders who are technically qualified. Date and time for opening of Financial Bids of technically qualified bidders will be intimated to the technically qualified bidders in advance.

No deviation and conditional tender is acceptable.

The quotation shall be valid for a minimum period of **one hundred eighty days (180 days)** from the date of opening of bids.

11. Supply & Installation:

The items are required to be delivered within **Four-Six weeks** from the receipt of confirmation of Purchase Order to the successful bidder and should be installed in complete manner at both the NISCAIR locations within stipulated time period, failing which liquidated damages may be imposed. The bidder will provide all the documentation and testing reports of the materials and equipments. The bidder will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc. at his own cost. If any changes/editions/up-grade developed in the software the same will be provided free of cost during warranty period.

Bidders are free to inspect the sites at both places whose address are given below:

1. Pusa
2. Satsang Vihar Marg

After inspection of the site, materials would be delivered to the Stores Section of the NISCAIR, Pusa by the successful bidders.

- A coverage map should be attached with the installation plan.
- A technical compliance sheet should be provided.
- Soft copies of all the technical documents should be submitted with the bid.

The responsibility lies with the successful bidder, if any damage or loss to the property of the Institute occurs while undertaking and executing the Contract even any mis-happening will be happened in which the life of the person affected. In any of these circumstances NISCAIR is not responsible.

NISCAIR is an R&D organization under CSIR, Ministry of Science & Technology, Govt. of India. Therefore it is requested to quote concessional rates applicable to R&D organizations since the equipment is required for research purposes and not for commercial purposes, **leaving no scope for any further negotiations in prices.**

1. **The quoting party should give a certificate to the effect that** the quoted prices are the minimum and they have **not quoted** the same item on lesser rates than those being offered to NISCAIR, New Delhi to any other customer nor they will do so till the validity of offer or execution of the purchase order, whichever is later.
2. The party must give details of identical or similar equipment, if any, supplied to any CSIR laboratories during the last three years along with the final price paid and Performance Certificate from them.
3. If any budgetary concessions/budgetary concessions announced by the government of India like reduction in raw materials, reduction in taxes, etc. may also be automatically passed to us.

If any difference found in the prices shown in the internet, your quotation price and also supplied to some other organizations within a year then the order should be placed only on the lower price and benefits passed to NISCAIR.

12. Force Majeure:

The bidder/supplier shall not be liable for forfeiture of its performance bank guarantee, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the purchaser in writing, the Supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

13. Arbitration:

Except where otherwise provided in the Contract, all questions and disputes relating to the specification, instructions and terms and conditions herein before mentioned and to the quality of the materials, to any question, claim, right, matter or thing whatsoever, in any way arising out of or relating to the contract Specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution of the same whether arising during the process of the work or after the completion or abandonment thereof shall be referred to the sole arbitration of a person nominated by the Director General, Council of

Scientific and Industrial Research, New Delhi, and if the appointed arbitrator is unable or unwilling to act to the sole arbitration, some other person shall be appointed by DG (CSIR) who will be willing to act as an arbitrator. The submission shall be deemed to be submission to Arbitration under the meaning of the India Arbitration and Conciliation, 1996 as applicable to International Arbitration or any satisfactory modification or re-enactment thereof for the time being in force conclusive and binding on all parties of the Contract. The venue of the Arbitration and Conciliation as applicable will be New Delhi, India, only.

Or

All disputes arising out of or in connection with the present Contract/Supply Order shall be finally settled under the Rules of Arbitration of International Chamber of Commerce/Arbitrators appointed in accordance with the rules as applicable in India.

Hoping for favourable response.

Yours Faithfully,

(Ravinder Kumar)
Stores and Purchase Officer

**Bid Form
Technical Bid**

(To be submitted on the firm’s letter head and signed by an authorised person)

To
The Director
National Institute of Science Communication & Information Resources
Dr K S Krishnan Marg
New Delhi 110 012

Ref: Bid document No.

Dated

Sir,

Having examined the bidding documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver goods as per the schedule of requirements and in conformity with the said bidding documents.

We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the bidding documents.

If our bid is accepted, we will submit a bank guarantee for the sum equivalent to 10% of the Contract Price for the due performance of the Contract, in the form prescribed by the National Institute of Science Communication and Information Resources.

We agree to abide by this bid for a period of 180 days after the date fixed for opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

1. We declare:

that we are the manufacturers/authorized agents/distributors of

.....
.....
.....

that we/our principals are equipped with adequate machinery for production quality control and testing of offered products manufactured/developed and used by us.

2. We hereby offer to supply the Goods/Services at the prices and rates mentioned in the Financial Bid.

3. We enclose herewith the complete Technical Bid as required by you. This includes:

- Bid form (containing EMD amount)
- Copy of the last audited balance sheet of the company.
- Details of income tax registration and Income tax clearance certificate
- Proof of Manufacturer’s authorization.
- Technical details of the goods and services offered
- Statement of deviation from the technical specifications
- Details of local service centers
- Copies of relevant work orders
- Product catalogues/user manual/other informative material about our products and services
- Point wise response to technical Model Response Format .

4. We have carefully read and understood the terms and conditions of the bid document and the conditions of the contract applicable to the bid document and we do hereby undertake to supply as per these terms and conditions.

5. Certified that the bidder is:

A sole proprietorship firm and the person signing the bid document is the sole proprietor/constituted attorney of the sole proprietor, or

A partnership firm, and the person signing the bid document is a partner of the firm and he has authority to refer to arbitration disputes concerning the business of the partnership by virtue of the partnership agreement/by virtue of general power of attorney, or

A company and the person signing the document is the constituted attorney.

(Note: Delete whatever is not applicable. All corrections/deletions should invariably duly attested by the person authorized to sign the bid document)

6. We do hereby undertake, that, until a formal work order is prepared and executed, this bid, together with your written acceptance thereof and placement of letter of intent awarding the work order, shall constitute a binding contract between us.

Dated this day of 2011 Signature of Bidder

Details of enclosures

Full Address:
Telephone No.:
Fax No.
E-mail:

Company Seal

**Technical Bid
Statement of Deviations from Technical Specifications and Schedule of Requirements**

Dear Sir,

Following are the Technical deviations and variations from the Technical specifications and Schedule of Requirements. These deviations and variations are exhaustive. Except these deviations and variations, the entire work shall be performed as per your specifications and documents.

Sl. No.	Item	Statement of deviations/variations

Maintenance Infrastructure Facilities Including Addresses Of The Local Service Centers

Location	Address of the Service Center	Name of the Contact Person with Telephone No., Fax No. and E-mail	No. of the Service Engineers	Remarks

Signature of the Bidder

Name:

Date:

Place

Business Address:

**Bid Form
(Financial Bid)**
(on the letter head of the firm submitting the bid document)

To
The Director
National Institute of Science Communication & Information Resources
Dr K S Krishnan Marg
New Delhi 110 012

Ref: Bid document No

Dated-----

Sir,

Having examined the bidding documents and having submitted the technical bid for the same, we, the undersigned, hereby submit the financial bid for supply of goods and services as per the schedule of requirements and in conformity with the said bidding documents.

We hereby offer to supply the Goods / Services at the prices and rates mentioned in the Commercial Bid.

We do hereby undertake, that, in the event of acceptance of our bid, the supply of Goods/Services shall be made as stipulated in the schedule to the Bid document and that we shall perform all the incidental services.

The prices quoted are inclusive of all charges including Installation, Training, Commissioning, Insurance, and Delivery charges in the National Institute of Science Communication and Information Resources.

We enclose herewith the complete Financial Bid as required by you. This includes:

- Bid Letter
- Price Schedule
- Statement of deviations from financial terms and conditions
- Price schedule for Warranty

We agree to abide by our offer for a period of 180 days from the date fixed for opening of the bid documents and that we shall remain bound by a communication of acceptance within that time.

We have carefully read and understood the terms and conditions of the bid document and we do hereby undertake to supply as per these terms and conditions. The Financial Deviations are only those mentioned in the statement of deviations from financial terms and conditions.

Certified that the bidder is:

A sole proprietorship firm and the person signing the bid document is the sole proprietor/constituted attorney of sole proprietor,

or

A partnership firm, and the person signing the bid document is a partner of the firm and he has authority to refer to arbitration disputes concerning the business of the partnership by virtue of the partnership agreement/ by virtue of general power of attorney,

or

A company and the person signing the bid document is the constituted attorney.

(Note: Delete whatever is not applicable. All corrections / deletions should invariably be duly attested by the person authorised to sign the bid document.)

We do hereby undertake, that, until a formal work order is prepared and executed, this bid, together with your written acceptance thereof and placement of letter of intent awarding the work order, shall constitute a binding contract between us.

Dated this day of _____ 2011

Signature of Bidder

Details of enclosures

Full Address:

Telephone No.:

Fax No.

E-mail:

Company Seal

Financial Bid
Estimated Quantity and Financial Bid Analyses

S.N o.	Item Name	Qty	Manufacturer	Model Name & version	Compliance to suggested Tech. Spec.	Total cost in Indian Rupees/ (inclusive of all other charges basic cost and chargeable rate of taxes(with amount) may be indicated separately.			Remarks
						Cost [±]	Taxes	Total Cost	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Active Components									
1.	24 Port Gigabit WLAN Switch	8 Nos							
2.	Wireless Access Point	80 Nos							
3.	Wireless Controller	2 Nos							
4.	Licence for Wireless Controller	4 Nos							
5.	Wireless Repeater	8 Nos							
6.	UTM	2 Nos							
7.	16 dbi omni-directional antenna for external AP	12 Nos							
8.	16 dbi uni -directional antenna for external AP	8 Nos							
9.	Multimode Fibre Module	8 Nos							
Passive Components									
10.	24 port Jack Panel	8 Nos							
11.	Fibre LIU	4 Nos							
12.	CAT 6 UTP Cable (Box)	24 Nos							
13.	Box for Access Points	66 Nos							
14.	Fibre Cable (6 core) multimode for Connectivity Between Buildings	400 meters							
15.	Fibre Connectors	24 Nos							
16.	Fibre Couplers	24 Nos							
17.	Fibre Patch Cable	8 Nos							
18.	CAT6 Patch Cable 3 ft.	96 nos							
19.	ST Blank Panel	4 Nos							
20.	Weather Proof Box	14 Nos							
21.	12 U Rack with accessories	4 Nos							
22.	GI Pipe for Fibre	500 meters							
23.	RJ 45 connectors	200 Nos							
24.	Double Lock PVC Channel/Conduits	2400							

S.No.	Item Name	Qty	Manufacturer	Model Name & version	Compliance to suggested Tech. Spec.	Total cost in Indian Rupees/ (inclusive of all other charges basic cost and chargeable rate of taxes(with amount) may be indicated separately.			Remarks
						Cost*	Taxes	Total Cost	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
		Meters							
Works									
25.	Secure mounting of APs in the boxes	80 Nos.							
26.	Fibre Termination	24 Nos.							
27.	Fibre cable laying	Length	400 meters						
28.		Digging	3 Ft.						
29.		Soil Foundation	½ ft						
30.		GI Pipe	400 meters						
31.		HDPE Pipe	400 meters						
32.	Laying of PVC Channel/Conduits for cabling from switch locations to AP locations	2400Meters							
33.	Laying of UTP Cable from PoE Switches location to AP Location	7000Meters							
34.	Fixing of RJ45 connectors where ever required	160 Nos							
35.	System integration	1 No							

*If the cost is not inclusive of warranty please include costs of warranty for each equipment separately for 1st year, 2nd year and 3rd year in Annexure VI.

* Attach sheet giving detailed technical specifications & deviations for the suggested systems

Seal & Stamp of the Bidder

NOTE

- For Financial bid comparison total value in Col. No. 9 and total of annexure '6' for price schedule for warranty shall be the basis.
- Actual payment for product shall be computed on the basis of value for Items at Sr. No. 9 shall be the basis.
- Any error in the Table of any bidder is liable to be out rightly rejected.
- The price quoted should be inclusive of all charges including all applicable taxes, Octroi, freight & handling charges, training, installation and all other miscellaneous expenses for Indian machines and FOB price including installation and training for Imported machine.

Signature of the bidder)

Name:

Place:

Date:

Seal

Financial Bid**Statement of Financial Deviations**

Dear Sir,

Following are the Financial deviations(s) and variation(s) from the exceptions to the specifications and documents for the Bid document. These deviation(s) and variation(s) are exhaustive. Except these deviation(s) and variation(s), the entire work shall be performed as per your specifications and documents.

Sl. No.	Section No.	Clause No.	Statement of deviation(s) and variation(s)

(Signature of the bidder)

Name:

Place:

Date:

Seal

Financial Bid
Price Schedule For Warranty

S.No.	Description of items	Qty	Standard Warranty (in months)	First Year extendable warranty (Total amount in Rs.)	Second Year extendable warranty (Total amount in Rs.)	Third Year extendable warranty (Total amount in Rs.)
				Total:	Total:	Total:

(Signature of the bidder)

Name:

Place:

Date:

Seal:

Performance Security Form

To: _____ (Name of Purchaser)

Whereas (Name of Supplier) hereinafter called the "Supplier" has undertaken, in pursuance of Contract No. dated 20..... to supply (Description of Goods and Services) hereinafter called "the order".

AND WHEREAS it has been stipulated by you in the said order that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with Supplier's performance obligations in accordance with the order.

AND WHEREAS we have agreed to give the Supplier a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplies, up to a total of.....(Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the order and without cavil or argument, any sum or sums within the limit of..... (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

The guarantee is valid until the.....day of.....20.....

Signature and Seal of Guarantors

.....
.....
.....
Date.....20.....
Address.....
.....
.....

All correspondence with reference to this guarantee shall be made at the following address:

.....
(Name & address of the Lab)

Bid Security Form (EMD)

Whereas.....¹(hereinafter called “the Bidder”) has submitted its bid dated.....(date of submission of bid) for the supply of.....(name and/or description of the goods) (hereinafter called “the Bid”).

KNOW ALL PEOPLE by these presents that WE.....(name of bank) of.....(name of the country), having our registered office..... at.....(address of bank) (hereinafter called “the Bank”), are found unto.....(Name of Purchaser) (Hereinafter called the “Purchaser”) in the sum offor which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank, this.....day of.....20..... THE CONDITIONS of this obligation are:

- 1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
- 2. If the Bidder, having been notified of the acceptance of its bid by the Purchase during the period of bid validity:
 - (a) fails or refuses to execute the Contract Form if required; or
 - (b) fails or refuses to furnish the performance security, in accordance with the Instruction to Bidders.

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee shall remain in force up to and including forty five (45) days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

.....
(Signature of the Bank)

¹Name of Bidder