

**STATE COUNCIL FOR TECHNICAL EDUCATION AND VOCATIONAL TRAINING, ODISHA
UNIT-VIII, NEAR RAJ BHAWAN, BHUBANESWAR-751 012**

Quotation Notice No.6901 / Dt.30.12.2017

Sealed Quotations are invited from experienced and reputed Firms/ Suppliers/Manufactures/Dealers for supply and installation of UTM alongwith services at SCTE&VT, Odisha, Bhubaneswar.

SCTE&VT, Odisha is planning to purchase one UTM device alongwith services as per specifications mentioned at Annexure-I to properly manage and monitor the Internet bandwidths as per the terms & conditions mentioned below.

Terms & Conditions :

- a. The vendor/suppliers should be an authorized partner of the OEM and must provide valid GST and PAN Number (photocopy to be enclosed with Signature).
- b. Please attach Ink signed OEM authorization certificate specific to this quotation along with detailed catalogue/ literature of the quoted product.
- c. Only experienced OEM/firms/suppliers/dealers having local office/Service Centre in Bhubaneswar are eligible to apply. The detailed address of the local office/Service Centers should be attached with the quotation. Copies of Purchase Order from Educational Institutions/Customers should also be attached.
- d. The supplied UTM should carry three years Warranty and three years subscription for all services (IPS, Gateway AV, Application Filtering, Web Content Filtering). The first time installation has to be done by the OEM engineer at our site. Bidders are requested to quote for best effort NBD advance replacement during Warranty period directly from OEM. Confirmation from OEM regarding advance replacement would be required to be submitted during material delivery.
- e. The price quoted should remain firm during validity period.
- f. The materials must be supplied and installed within one week of issue of Purchase Order.
- g. Transportation and installation of UTM will be at Suppliers risk.
- h. Only hard copy of the Quotation will be accepted. Quotation in soft copy format will not be accepted.

- i. The price offer/envelope must be properly sealed, stamped & duly signed by the authorized person of the firm/agency. The envelop should be superscripted as **"Quotation for supply and installation of UTM alongwith services at SCTE&VT, Odisha"** on the top of the envelope. The full address with phone number of the sender's should also be mentioned on the envelope.
- j. 95% payment will be released after successful delivery, installation and testing of the UTM and balance 5% will be released after 3 months of successful running of the UTM alongwith Services.
- k. The agency/firm must sign on each page of the quotation as well as other relevant documents with seal & date.
- l. SCTE&VT, Odisha reserves the right to accept or reject any quotation and cancel the tender process without assigning any reason thereof.
- m. Delivery/ installation of the UTM should strictly be completed within the stipulated period of delivery.
- n. The material must be properly packed against any damage and insured except where hand delivery is proposed.
- o. Quotation can be downloaded from the official website of the Council **"sctevtodisha.nic.in"** and submitted within due date along with a non-refundable Demand Draft of Rs.300/- plus tax if any, drawn in favour of Vice-Chairman, SCTE&VT, Odisha, payable at Bhubaneswar towards cost of the Quotation Document.
- p. **Estimated Cost of the UTM alongwith Services:** The estimated cost of the UTM alongwith services will be about Rs. 1,50,000/-.
- q. **Earnest Money Deposit(EMD):** The bidders should enclose a Bank Draft amounting to Rs.5,000/- drawn on any Nationalized Bank in favour of "Vice-Chairman, SCTE&VT, Odisha" payable at Bhubaneswar towards EMD along with the Quotation. The EMD amount will be returned to the unsuccessful bidders without any interest after completion of selection process. The successful bidder has to submit a Performance Security of Rs. 15,000/- in the format mentioned at Annexure-II. The EMD of the successful bidder will be returned after submission of Performance Security.
- r. **Performance Security:** The successful bidder shall deposit Performance Security of Rs. 15,000/- in form of Bank Guarantee/FDR issued by a scheduled bank in the enclosed proforma mentioned at Annexure-II, within seven days from the date of issue of the work order. The validity period of the Performance Security will be up to 38 months from the date of issue.
- s. **Last Date & Time for receipt of Quotations:** The last date & time for receipt of Quotations alongwith enclosures at SCTE&VT, Odisha, Unit-8, Near Raj Bhawan, Bhubaneswar-751012 is 15.01.2018 up to 2 PM and will be opened on the same day at 4 PM in the presence of the Purchase Committee members.

- t. The successful bidder will have to sign an **Agreement** on a non-judicial stamp paper of appropriate value with the State Council for Technical Education and Vocational Training, Bhubaneswar stating that the firm/agency will abide by all the terms and conditions laid down by the State Council for Technical Education and Vocational Training, Bhubaneswar.
- u. Incomplete quotations or quotations received after last date & time will not be entertained

Bidders are requested to submit the TECHNICAL COMPLIANCE to the specification as mentioned in Annexure-1.

Bidders are requested to submit their COMMERCIAL OFFER in following format.

Sl#	Description	Specifications	Qty	Unit Price in Rs.	Total Amount in Rs. (including taxes)
1	UTM Box (without any subscription) with 3 years Warranty and on-site support including best effort advance replacement directly from OEM	As per Annexure-1	1 no.		
2	36 months subscription (IPS, Gateway AV, Web Content Filtering, Application Filtering) for the above UTM along with 24 x 7 telephonic/Web based support	As per Annexure-1	1 no.		

Total Rs.

In words:.....

ANNEXURE-1 (Technical Specification)

Specifications	Compliance Yes/No
Firewall should be ICSA Labs Certified	
OEM should be ISO 9001 Certified	
Appliance Throughput	
UTM firewall should have minimum 6 Configurable Ethernet Interfaces 10/100/1000	
UTM firewall should have support for 1250000 Concurrent Sessions	
UTM firewall should capable to handle 50000 New Sessions/second	
Firewall Throughput should not less than 4.75 Gbps (TCP)	
UTM Throughput should not less than 900 Mbps	
Antivirus Throughput should not less than 1.5 Gbps	
IPS throughput should not be less than 1.8 Gbps	
VPN Tunnel throughput should not less than 2200	
Firewall Requirement	
The proposed system should have HA Active-Active / Active-Passive.	
The proposed system should have firewall with stateful packet filtering technology & must support one-to-one and dynamic user based NAT with a facility to create rules based on usernames, Hosts, network, IP Range	
The firewall of the proposed system should provide Predefined services based on port numbers and Layer 7 application and ability to create user-definable services which can be used to define firewall rules	
The proposed system must provide inbuilt PPPoE client and should be capable to automatically update all required configuration whenever PPPoE IP get changed.	
The firewall of the proposed system should support 802.1q based VLAN tagging to segregate devices logically	
The proposed system must provide support static & dynamic routing protocol like RIP & OSPF	
The proposed solution should support DHCP server.	
The proposed system should be able to assign Application & URL filtering policies for mobile devices and also provide reporting based on mobile devices & PC.	
The proposed system should be able to detect & determine Application filtering policies for a same user but on different devices i.e. Mobile & PC.	
The proposed system can display users login details based on the devices used to access internet and forcefully log off the mobile devices.	
Application Filtering	
The proposed solution should support Application Filtering in the same UTM appliance.	

The proposed solution should have inbuilt Application category database.	
The proposed solution should provide policy-based control over applications for Users, Groups, IP address & Network.	
The proposed solution should be able to detect & block known applications like P2P & IM.	
The proposed solution should have 2500+ application database.	
The proposed solution must give reports based on username / IP address.UTM firewall should be capable to block applications like P2P.	
The proposed system should support Windows NTLM Database, LDAP, RADIUS TACACS+ & single sign on for Active Directory and inbuilt database of the appliance for User Authentication.	
The proposed system should be able to support user mapping with single IP address for firewall authentication.	
The proposed system must provide connection level details using a web interface of bandwidth used for each user/IP address/ISP.	
The proposed system must send an alert to admin email address on changes of firewall configurations.	
The proposed system must be able detect real time traffic reports IP address wise & user wise.	
The proposed system should be able to function as SNMP agent and should be able to support all SNMP software's.	
The proposed solution should have Console/WebUI/Command Line Interface support for Software/ Firmware update and status check.	
Bandwidth Management	
The proposed system must have integrated Bandwidth Management	
The proposed system must be able to set bandwidth per User/IP on individual or shared basis.	
The proposed system should provide bandwidth management on incoming & Outgoing traffic.	
The proposed system must be able to create Bandwidth Policies based on applications, IP address & Users / User Group.	
The proposed system should provide Users & Group wise Bandwidth allocation	
The proposed system should support bandwidth management on browsing, for URL, Category & external IP.	
The proposed system should support separate bandwidth queues between multiple ISP links during failover/failback & load balancing in same firewall policy.	
Intrusion Prevention /Intrusion Detection	
Intrusion Prevention system should be appliance based.	
The proposed system should have signature and anomaly base intrusion detection and prevention system	

The proposed system should have configuration options to prevent all the common DOS and DDOS attacks like syn flood, ICMP flood, UDP flood, Ping of death. Should have prevention option for more than 30 common attacks. Real-time intrusion detection for minimum 6000+ signatures.	
The IPS should be able to detect, respond to and alert any unauthorized activity. Product detects the attacks and the network misuse that represent risk to the customer.	
Support at least 6000+ or more signatures with online download support of newer signatures.	
The proposed system should automatically update the attack signatures database from a central database server	
The proposed system should be able to detect and block HTTP proxy traffic both from Content filtering solution & also from IDP	
The proposed system should be able to detect and block P2P based Instant Messaging applications like Skype	
Web based management through https and command line interface support	
The IDS should be able to monitor all of the major TCP/IP protocols, including IP, Internet Control Message Protocol (ICMP), TCP, and User Datagram Protocol (UDP).	
URL Filtering	
Should support 85+ Web categories	
Should support blocking of category based HTTPS sites without having to provide the URL of the site to be blocked	
Should support HTTPS transparent proxy	
The proposed solution should block HTTPS URLs with complete path instead of only sites names	
Should have facility to block URL' based on categories	
Should support default site block for groups create on the firewall. This should not allow any users to visit sites till allowed.	
Should support default block of all downloads.	
The proposed solution should be licensed per unit as against per user.	
URL database should have at least 100 million sites and 85+ categories.	
Should be able to block different categories/sites based on users.	
Should have options to customize the block message information send to end users	
Should have facility to schedule the configurations so that department wise browsing can be allowed or blocked.	
Browsing time restriction to single users & user Group using time quota.Browsing bandwidth policies can be scheduled.	
Download & upload control for single users & user Group using browsing quota.	
The proposed system should support IP address & username based browsing configuration	
The proposed system should have browsing mode like web proxy & transparent proxy.	

The proposed solution should support browsing bandwidth policies backup & restore for changes on browsing bandwidth policies.	
The proposed system should support username bypass from authentication for browsing with report in transparent mode.	
Should have an option to white list URL's for blocked categories assigned to user group.	
The proposed system should support browsing and global policy based download email alert, to the network admin.	
The proposed system should support email alert on large file downloads.	
Gateway Anti-Virus	
Virus gateway should provide real-time detection of viruses and malicious code at the gateway for IMAP SMTP, POP3, HTTP, HTTPS and FTP Internet traffic.	
The proposed solution should have reporting facility to generate reports on virus detected.	
Should have configurable policy options to bypass URL from anti-virus engine.	
VPN	
This feature should be easy to configure and use. Should have a support inbuilt for IPSEC VPNs, SSL VPN, PPTP, L2TP, VPN CLIENT pass through, should support DES, 3 DES and AES encryption, IKE certificate authentication , RSA secure ID & Vasco Token support	
Support for IPSec, L2TP, PPTP & SSL VPN.	
Configurable option to allow or block VPN users or IPSec tunnel network to access internal network & vice versa.	
Support Encryption : DES, 3DES, AES, twofish, blowfish & serpent encryption	
Authentication support : Preshared Key, Digital Certificates.	
support for Automatic IKE (Internet Key Exchange) and manual key exchange.	
Supports IPSEC NAT traversal	
Supports Hash Algorithms – MD5, SHA1, SHA2.	
Should support Deed peer detection and PFS.	

Sd/-
Vice-Chairman

Annexure-II: PERORMANCE SECURITY GUARANTEE BOND FORM

1. In consideration of State Council for Technical Education and Vocational Training, Odisha (here in after called as SCTE&VT,Odisha) having agreed to exempt _____ (here in after called the said contractor(s) from the demand of security deposit/earnest money of Rs..... on production of Bank Guarantee for Rs.....

For the due fulfilment by the said contractors of the terms and conditions to be contained in an agreement in connection with the contract for supply of UTM with Services) we (name of the Bank.....) on the request of Contractor's do hereby undertake to pay to SCTE&VT, Odisha all amount of not exceeding, against any loss or damage caused to or suffered or would be caused to or suffered by the SCTE&VT by reason of any breach by the said contractors of any of the terms and conditions contained in the said agreement.

2. We(name of the bank)..... do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the SCTE&VT,Odisha..... stating that the amount claimed is due by way of loss or damages caused to or would be caused to or suffered by the SCTE&VT,Odisha..... reason of breach by the said Contractors of any of the terms and conditions contained in the said agreement or by reason of the Contractors failure to perform the said Agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee where the decision of the SCTE&VT, Odisha..... in these counts shall be final and binding on the bank. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....
3. We undertake to pay the SCTE&VT,Odisha, any money so demanded not withstanding any disputes raised by the Contractor(s)/Supplier(s) in any suit or proceeding pending before any court or tribunal relating thereto our liability under the present being absolute and equivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the Contractor(s)/Supplier(s) shall have no claim against us for making such payment.
4. We (name of the bank)..... further agree that the guarantee herein contained shall remain in full force and effect immediately for a period of one year from date herein and further agrees to extend the same from time to time(One year after) so that it shall continue to be enforceable till all the dues of the SCTE&VT,Odisha..... under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till SCTE&VT,Odisha.....certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We(name of the bank) further agree with the Vice-Chairman, State Council shall have the fullest liberty without our consent and without affecting in any manner our obligations here under to vary and of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time to time any of the powers exercisable by the Vice-Chairman, State Council against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relived from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, and or any omission on the part of the Vice-Chairman, State Council or any indulgence by the Vice-Chairman,

State Council to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s) / Supplier(s).
7. This guarantee shall be irrevocable and the obligations of the Bank herein shall not be conditional to any prior notice by SCTE&VT, Odisha.

Dated:.....

For
(Indicating the name of the bank)

N.B: This guarantee should be issued on non-judicial stamped paper, stamped in accordance with the stamp act.