



Telangana State Technology Services Ltd.,

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Hyderabad – 500063, Telangana State, India.

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Website: <http://www.tsts.telangana.gov.in>, CIN No: U74900TG2015SGC

File Number: TSTS/HWP3/SE/0014/2018

Dt. 11/01/2018

To

The Prospective Bidders

Tender Notice

Sub:	TSTSL-HWP1 - Supply , Installation and Maintenance of Server, Firewall and Operating Systems for School Education Department
Subject	TSTSL invites quotations for - Supply , Installation and Maintenance of Server, Firewall and Operating Systems for School Education Department as per the details given in the Annexure.
Time Schedule	Last date and time for receipt of quotations : 17/01/2018 04:00 PM Date and Time for opening of quotations : 17/01/2018 04:30 PM Any clarifications, the bidders are requested to communicate by 12/01/2018 (drmrao-tsts@telangana.gov.in , 9963029415).
1	Bids should be submitted on e-procurement website.
2	Any deviations in format may make the bids liable for rejection.
3	Bids should be valid at least for a period of 180 days from the date of bid opening.
4	Managing Director, TSTSL reserves the right to accept or reject any or all the bids without assigning any reasons thereof and to add, modify or delete any of the terms and conditions without any notice.
5	Conditional bids not acceptable and liable for rejection.
6	Bidder has to quote for all items mentioned in Tender document. L-1 will be arrived considering overall total cost of the all items. The bid/tender will be rejected if the bidder has not quoted for all the items.
7	No options will be accepted. If the vendor wants to give option, he may submit it as separate bid along with Separate EMD. This will be treated as a separated bid for evaluation.
8	Persistent complaints from the user Department during the warranty period relating to the improper service will be sufficient ground for the TSTSL to blacklist the successful bidder from participating in future tenders.
9	EMD: The vendor should submit EMD for an amount of Rs. 50,000/- in the form of Demand Draft /Bank Guarantee valid up to 31/03/2018 from any scheduled bank in favour of The Managing Director, Telangana State Technology Services Limited. The scanned copy of EMD should be uploaded on e-procurement website in technical bid. The original EMD should be submitted before opening of the Financial bids. EMD will be returned to unsuccessful bidders after issue of Orders to L1 bidder. The EMD of the successful bidder will be returned after supply of the items to the Department.
10	Eligibility 1. The bidder should have minimum cumulative financial turnover of Rs. Two Crore in last 3 financial years(2014-15, 2015-16 and 2016-17). The bidder should submit audited balance sheets / CA certificate in the Technical bid. 2. MAFs from OEMs for offered Servers as per Annexure of the tender document 3. The bidder should have sales turnover of Servers with four processors or above: 04 Nos. during 2014-2017. Purchase order copies should be

	<p>uploaded in technical bid.</p> <p>4. The Bidder/OEM should have minimum One Service centre as on bid calling date in Hyderabad/Secunderabad. Details of the service center and service engineer details should be submitted in Technical Bid.</p> <p>5. The bidder should submit declaration stating that they are not debarred/blacklisted in Technical bid.</p> <p>6. The bidder should submitted valid Statutory documents in technical bid :copy of PAN card and copy of GST registration.</p>				
11	<p>Delivery & Installation:</p> <p>1. Successful Bidder shall deliver and install the goods/services within the delivery and installation period. For any delays in delivery and installation beyond delivery & installation period mentioned in the purchase order, the vendor will be liable for penalties as mentioned in Clause 13.</p> <p>2. PO consisting of 1-5 locations , vendor has to deliver and install the equipment or has to obtain <u>Site Not Ready Certificate</u> (where ever Site is Not Ready) from User Department officials within week days from the due date of Delivery and installation.</p>				
12	<p>Payment Terms: For all the items:</p> <p>1. 90 % payment on delivery & successful installation of items</p> <p>2. 10% Balance will be paid after Acceptance Test conducted by TSTS.</p> <p>3. Incase site not ready : 75% of the contract value for that site/location.</p> <p>Note : All the Delivery Challans & Installation Reports/Site Not Ready Certificate/report to be Counter signed by the respective Competent Authority.</p>				
13	<p>Penalty for late delivery : For any delay in deliver, the bidder will be liable for penalties as follows:</p> <p>1. 1% of the late delivered goods for One week or part thereof; 1.5%, for Two weeks or part thereof; 2% for Three weeks or part thereof and so on up to a maximum of 10% on the value of late delivered goods.</p> <p>2. If any delay is for more than 30 days, TSTS will reserve the right to cancel the order without giving any notice and EMD will be liable for forfeiture.</p>				
14	<p>After Delivery The items are to be installed. TSTS will conduct the AT.</p>				
15	<p>Up time: The bidder should attend & resolve to the breakdown call within 24 hours. If any spare parts are to be replaced the call shall be completed within 48 Hours including holidays from the date of attending the call. Failing which penalty is applicable as per terms & conditions.</p>				
16	<p>If down time is more than the permissible down time following penalties shall apply (for every day beyond permissible window time penalty shall be imposed as mentioned below in the table</p> <table border="1" data-bbox="293 1528 1455 1688"> <thead> <tr> <th>Item</th> <th>Penalty beyond permissible down time for every day or part thereof and soon.</th> </tr> </thead> <tbody> <tr> <td>All Items</td> <td>0.5% cost of the itme at that site subject to a maximum of total equipment cost at that site.</td> </tr> </tbody> </table> <p>Note: The penalty amount will be recovered from the amounts payable to the bidder by TSTS. Once this amount is exhausted, the bidder will be debarred from participating in tenders till the time he recoups the penalty amount.</p>	Item	Penalty beyond permissible down time for every day or part thereof and soon.	All Items	0.5% cost of the itme at that site subject to a maximum of total equipment cost at that site.
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17	<p>Bidding Procedure(Schedule-wise): Bids should be submitted in two parts namely, “Technical bid” and “Financial bid on e-procurement website. The bidder should upload all the required formats and documents as mentioned in</p>				

	<p>the tender document.</p> <p>Technical Bid:</p> <ol style="list-style-type: none"> 1. Bid Letter Form 2. EMD scanned copy 3. MAFs from OEMs 4. Firm Turnover: Audited balance sheets / CA certificate 5. PO copies of sales turnover 6. Service Centers details: Form P1 7. Deceleration regarding not black listed form P2 8. Form T1 (Undertaking) 9. Form T2 (Technical compliance of offered items) 10. Technical datasheets, certifications, literature etc for the offered items 11. Un-Priced form F1 12. PAN card and GST Tax certificates 13. Any other documents as per tender document, if any <p>Financial Bid : Online –procurement website</p>
18	<p>Transaction fee: All the participating bidders who submit the bids have to pay an amount @ 0.03% of their final bid value online with a cap of Rs. 10,000/- for quoted value of purchase up to Rs.50 crores and Rs.25000/- if the purchase value is above Rs.50 crores & GST Applicable as levied by Govt. of India on transaction fee through online in favour of MD, TSTSL. The amount payable to TSTSL is non refundable.</p> <p>Corpus Fund: Successful bidder has to pay an amount of 0.04% on quoted value through demand draft in favour of Managing Director, TSTSL , Hyderabad towards corpus fund at the time of concluding agreement.</p>
19	Transaction Fee Payable to The Managing Director, Telangana State Technology Services Ltd, Hyderabad
20	Bidders are requested to submit the bids after issue of amendments/clarifications duly considering the changes made if any. Bidders are totally responsible for incorporating/complying the changes/amendments issued if any, before bid submission time & date.
21	<p>Bids shall be submitted online on www.eprocurement.telangana.gov.in platform</p> <ol style="list-style-type: none"> 1. The participating bidders in the tender should register themselves free of cost on e-procurement platform in the website www.eprocurement.telangana.gov.in. 2. Bidders can log-in to e-procurement platform in Secure mode only by signing with the Digital certificates. 3. The bidders who are desirous of participating in e-procurement shall submit their technical bids, price bids as per the standard formats available at the e-market place. 4. The bidders should scan and upload the respective documents in Technical bid documentation as detailed mentioned in bid document including EMD. The bidders shall sign on all the statements, documents certificates uploaded by them, owning responsibility for their correctness/authenticity. 5. The rates should be quoted in online only
22	<ol style="list-style-type: none"> 1. After uploading the documents, the copies of the uploaded statements, certificates, documents, original EMD in respect of Bid Security (except the Price bid/offer/break-up of taxes) are to be submitted by the bidder to the O/o The Managing Director, TSTSL , BRKR Bhavan, Hyderabad as and when required.

	<ol style="list-style-type: none"> 2. Failure to furnish any of the uploaded documents, certificates, will entitled in rejection of the bid. The TSTSL shall not hold any risk on account of postal delay. Similarly, if any of the certificates, documents, etc., furnished by the Bidder are found to be false / fabricated / bogus, the bidder will be disqualified, blacklisted, action will be initiated as deemed fit and the Bid Security will be forfeited. 3. TSTSL will not hold any risk and responsibility regulating non-visibility of the scanned and uploaded documents. 4. The Documents that are uploaded online on e-market place will only be considered for Bid Evaluation. 5. Important Notice to Contractors, Suppliers and Department users 6. In the endeavor to bring total automation of processes in e-Procurement, the Govt. has issued orders permitting integration of electronic Payment Gateway of ICICI/Axis Banks with e-Procurement platform, which provides a facility to participating suppliers / contractors to electronically pay the transaction fee online using their credit cards.
23	Note : This tender call is issued on e-procurement market place at www.eprocurement.telangana.gov.in . All the terms and conditions are to be read jointly as mentioned in the e-procurement market website and in this document.
24	TSTSL /User Department reserves their right in not considering the bid of a bidder, if such bidder was a previous supplier and had a past bad track record or their earlier performance was unsatisfactory or the Department noticed regarding unsatisfactory performance of the offered OEM brand items which were procured earlier on any count.
25	Delivery Locations: O/o the Commissioner, school Education Department, Telangana
26.1	<p>Service Level Agreement :</p> <p><u>Maintenance Service:</u></p> <ol style="list-style-type: none"> 1. Free maintenance services including spares shall be provided by the supplier during the period of warranty. User, at its discretion may ask the Supplier to provide maintenance services after warranty period, i.e. Annual maintenance and repairs of the system at the rates indicated by bidder in its proposal and on being asked so, the Supplier shall provide the same. The cost of annual maintenance and repairs cost (after warranty period), which will include cost of spares replaced, shall be paid in equal quarterly installments at the end of each quarter. 2. The maximum response time for maintenance complaint from any of the destination (i.e. time required for supplier's maintenance engineers to report to the installations after a request call/mail is made or letter is written) shall not exceed 06 hours failing which action will be initiated on the supplier and the supplier will be blacklisted without any further Notice. 3. The Supplier will accomplish preventive and breakdown maintenance activities to ensure that all hardware, and firmware execute without defect or interruption for at least required up time. 4. In case up time is less than the stipulated up time, penalty as indicated in the tender document shall be imposed on the supplier. 5. The amount of penalty, if any, will be recovered at source from the performance guarantee during the warranty or from annual maintenance charges payable as the case may be or the penalty amounts will be deducted from the amounts payable to the Supplier by TSTS (Once this amount is exhausted, the bidder will be debarred from participating in tenders till the time he recoups the penalty amount).
26.2	<p><u>Spare Parts:</u></p> <ol style="list-style-type: none"> 1. The Supplier may be required to provide any or all of the following materials, notifications and information pertaining to spare parts manufactured or distributed by the Supplier. 2. Such spare parts as the Department may elect to purchase from the Supplier , provided that this election shall not relieve the Supplier of any warranty

	<p>obligations under the PO.</p> <p>3. In the event of termination of production of the spare parts, an advance notification to the Department of the pending termination, in sufficient time to permit the Department to procure needed requirements</p> <p>4. The Supplier shall ensure availability of spares in stock at his nearest service centre for immediate delivery such spare parts as: (a) are necessary for a minimum of 5 years of operation after installation at the Purchaser's sites (b) are necessary to comply with specifications.</p>
26.3	<p><u>Warranty :</u></p> <p>1. The Supplier warrants that the goods and services supplied under the PO are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the PO. The Supplier further warrants that all goods and services supplied under this PO shall have no defect arising from design, materials or workmanship or from any act or omission of the Supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.</p> <p>2. The warranty period shall be as stated in bid document. The Supplier shall, in addition, comply with the performance guarantees, if any, specified under the PO. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, make such changes, modifications, and/or additions to the goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the PO at its own cost and expenses and to carry out further performance tests.</p> <p>3. The equipment supplied should achieve required up time.</p> <p>4. Department shall promptly notify the Supplier in writing of any claims arising under this warranty.</p> <p>5. Upon receipt of such notice, the Supplier shall, within the period specified and with all reasonable speed, repair or replace the defective goods and services or parts thereof, without costs to the user.</p> <p>6. If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, Department may proceed to take such remedial action as may be procurement of hardware for the Department necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Department may have against the Supplier under the PO.</p>
26.4	<p><u>Training:</u></p> <p>The Supplier may be required to train the designated user Department personnel to enable them to effectively use the items.</p>
27	Variation of quantities +/- 100%

i/c. General Manager

Bid Formats

Bid Letter Form

From:

(Registered name and address of the bidder.)

To: Telangana Technology Services Limited,
Boorgula Ramakrishna Rao Bhavan, B-block, 4th floor,
Tank bund Road, Hyderabad, TS. PIN: 500 063, India.

Sir,

Having examined the bidding documents and amendments there on, we the undersigned, offer to provide services/execute the works including supply, delivery installation of hardware, firm wares and software as the case may be, in conformity with the terms and conditions of the bidding document and amendments there on, for the following project in response to your tender call no TSTS/HWP3/SE/0014/2018 Dt. 11/01/2018 or its part assigned to us in conformity with the said bidding documents for an amount quoted in financial bid accordance with the schedule of prices attached herewith and coverage options made by TSTSL or its user organization.

If our bid is accepted, we undertake to;

- a. provide services/execute the work according to the time schedule specified in the bid document,
- b. obtain the performance guarantee of a bank in accordance with bid requirements for the due performance of the contract, and
- c. agree to abide by the bid conditions, including corrigendum, if any, which remain binding upon us during the entire bid validity period and bid may be accepted any time before the expiration of that period.

We understand that you are not bound to accept the lowest or any bid you may receive, nor to give any reason for the rejection of any bid and that you will not defray any expenses incurred by us in bidding.

Date & Place:

Signature of Bidder & Stamp

Form P1 - Details of Service Centers in Telangana State

S.N	District	Full Address of service center	Contact person with phone No.	No. of support engineers and their details : Name, Qualification and Experience
A	B	C	C	D
1				
2				

Date & Place:

Signature of Bidder & Stamp

Form P2 - Declaration Regarding Clean Track Record

To,
The Managing Director
Telangan State Technology Services Limited
4th Floor, B Block, BRKR Bhavan,
Tankbund Road, Hyderabad 500063, , India

Sir,

I have carefully gone through the Terms & Conditions contained in the Tender Document TSTS/HWP3/SE/0014/2018 Dt. 11/01/2018. I hereby declare that my company/Consortium Partners has not been debarred/ black listed as on Bid calling date by any Central or State Government / Quasi Government Departments or Organizations in India for non-satisfactory past performance, corrupt, fraudulent or any other unethical business practices. I further certify that I am competent officer in my company to make this declaration.

Yours faithfully,

(Signature of the Bidder)

Name & Designation

Seal & Date:

Business Address:

Form T1 - Sub: Undertaking of authenticity for Hardware

This has reference to Hardware items being supplied/quoted vide Tender No TSTS/HWP3/SE/0014/2018 Dt. 11/01/2018, We hereby undertake that all the components/parts/assembly/software used in the Hardware/ Software like Hard disk, Monitors, Memory etc shall be original new components/parts/assembly/software from respective OEMs of the products and that no refurbished/duplicate/second hand components/parts assembly/software are being used or shall be used.

We also undertake that in respect of licensed operating system if asked by you in the purchase order shall be supplied along with the authorized license certificate (eg Product Keys on Certification of Authenticity in case of Microsoft Windows Operating System) and also that it shall be sourced from the authorized source (eg Authorized Microsoft Channel in case of Microsoft Operating System)

Should you require, we shall produce certificate from our OEM supplier in support of above undertaking at the time of delivery. It will be our responsibility to produce such letters from our OEM supplier's within a reasonable time.

In case we are found not complying with above at the time of delivery or during installation, for the Hardware / Software already billed, we agree to take back the Hardware/ Software if already supplied and return the money if any paid to us by you in this regard.

Authorized Signatory

Name & Designation.

Technical Bid Format - Form T2

The specifications are as per the requirement needed and indicative. The bidders offering higher to the requirements are acceptable.

Server- : 1 No.

Make & Model	<< Specify>>	Compliance & offered configuration
Processor Technology	4Nos. X Intel E5-4660V4 Processors with 2.2Ghz 40MB Cache per processor or higher.	
Chipset Technology	Compatible with above processors	
Memory	512 GB DDR-4, ECC Memory and server should support Up to 3TB memory or higher.	
Memory Protection	Server should support advanced memory protection technologies to protect data from any single chip memory failure and multi bit errors from any portion of single memory chip.	
Network controller	4Nos. X 10G ports, 2Nos. X 1G ports or higher	
FC HBA	1 Nos. X Dual port, 16gbps auto negotiable FC HBA adopters	
Expansion Slots	Server should support Five PCI-Express 3.0 slots or higher	
Optical Drive	DVD RW	
RAID Controller	Should support minimum 12 Gbps SAS Controller with 4GB Flash Backed Write Cache or equivalent or higher. Controller should support RAID levels 1, 10 and 5	
Storage Bays	Should support at least 8 HDDs or higher	
Hard Disk Drive	12 X 1.8TB SAS 12G 10K RPM HDD's or equivalent or higher. The HDDS should be configured using RAID 5. The server should support minimum 24 Hot Plug SFF SAS/SSD disks	
Clustering	High availability Clustering and virtualization	
Industry standard compliance	ACPI 2.0. Compliant, PCIE 2.0 Compliant, WOL Support, Microsoft® Logo certifications, USB 2.0 Support or higher	
Power supply	2 Nos. X Minimum 1100W, hot swappable/Pluggable power supplies with and required cooling fans.	
System fans	Should be configured with redundant system fans. Fans should be automatic adjust speeds depending on the temperature inside the server	
Form Factor	2U Rack Mountable or less	
Operating System support	Microsoft® Windows Server® 2016 Data Center & Std. (includes Hyper-V), SUSE® Linux Enterprise Server, Red Hat® Enterprise Linux® and VMware	
Failure Alerting Mechanism	The server should be able to alert impending failures on maximum number of components. The components covered under alerting mechanism should at least include Processors, memory and hard disk drives	

Server Management	The server should come with systems management licensed software from the OEM with Remote Power On & Power Off, Remote KVM and other features	
Remote Management	Ability to remotely configure machines completely with Advance Settings Utility	
Accessories	All necessary connectors, accessories, Railing kit, cables, software and drivers media	
Warranty, Maintenance & Support	Comprehensive onsite warranty for 3 years including Spares-Parts/Service/ Labour/On-site. 24X7 Support and proper documentation	

Peripherals : 01 no.

Make & Model	<< Specify	Compliance & offered configuration
Monitor	27 inch color TFT Full HD monitor to connect to the above mentioned server	
Input Devices	Standard OEM USB Keyboard and optical USB Scroll mouse to connect to the above mentioned server	
Warranty	3 years onsite Comprehensive Warranty	

OS Licenses : 32 Nos. (2 core = 1 License)

Make & Model	<< Specify	Compliance
Operating System	Windows Server datacenter 2016 operating systems licenses with one set of electronic software copies on media for the above mentioned Server	

Firewall : 01 No.

#	<< Specify	Compliance & offered configuration
	Make & Model : << specify>>	
1	The Firewall must be asic based appliance and rack mountable	
2	Should operate both in "bridge mode" or "transparent mode" apart from the standard NAT mode	
3	NAT , Transparent Mode should be IPv6 ready.	
4	Should provide NAT functionality, including PAT. Should support NAT 66, NAT 64, DNS 64, Static NAT IPv4 to IPv6 and vice versa (VIP64 and VIP46) and IPv6-IPv4 tunneling or dual stack.	
5	Should provide advanced NAT capabilities, supporting NAT Traversal for services like SIP/H.323 /SCCP	
6	Should support Voice based protocols like H.323, SIP, SCCP, MGCP etc and RTP Pinholing.	
7	Should support User-Group based Authentication (Identity based Firewalling) & Scheduling	
8	Provision to create secure zones / DMZ (ie Multi- Zone support)	
9	Should Support Virtualization (ie Virtual Systems / Virtual Domains). Should be having 10 or more virtual system license from day one	

10	Should Support Packet Capture/sniffer to capture and examine the contents of individual data packets that traverse the firewall appliance for troubleshooting, diagnostics and general network activity	
11	Should support more than one ISP/MPLS link with automatic ISP/MPLS link failover as well as ISP link load sharing for outbound traffic	
12	OEM should be having FIPS-140-2 certification for Client VPN software	
13	OS should be "IPv6 Phase II Ready" certified	
14	Device based license for unlimited users for Firewall / VPN (IPSec & SSL) and other features. There should not be any user/IP/host based licenses	
15	OEM Should be having ICSA and VB100 lab certified embedded anti virus	
16	OEM should be having recommended rating from 2016 NSS Lab's Next Generation Firewall testing with minimum 95% Firewall policy protection/ Security effectiveness	
17	The Firewall OEM should be ICSA Labs certified for Enterprise Firewall and should be Common Criteria EAL 4 certified	
18	The Firewall OEM should be leaders in latest Gartner's Magic Quadrant for Enterprise Firewall report	
19	Should have 16 or more gigabit RJ45 interfaces with auto sensing 10/100/1000 capability	
20	Should have 2 or more 1 GE SFP Slots	
21	Should support 1 or more Number of USB ports and 1 Console port	
22	Should support the standards based Multi-Link aggregation technology (IEEE 802.3ad) to achieve higher bandwidth.	
23	Should support VLAN tagging (IEEE 802.1q) in NAT/Route mode	
24	Must support at least 2,000,000 or more concurrent connections	
25	Must support at least 30,000 or more new sessions per second processing.	
26	Should have Firewall throughputs of minimum 7 Gbps or more	
27	IPSec VPN throughput should be 4 Gbps or more	
28	IPS throughput should be 1.5 Gbps or more	
29	NGFW throughput should be 360 Mbps	
30	Threat Protection throughput should be 250 Mbps	
31	Firewall should support server load balancing	
32	Should support Static routing, Dynamic Routing (RIP, OSPF,BGP) and Policy Based Routing for IPv4 and IPv6	
33	Device should support multicast routing, Protocol independent Multicast (PIM) version 2 and Multicast destination NAT (DNAT). Device should support PIM sparse mode and PIM dense mode . Device should service multicast servers or receivers on the network segment to which the firewall interface is connected	
34	Should support DHCPv6 Server, DHCPv6 relay and DHCPv6 client functionality	
35	Should have authentication for Users/Admins (Local and Remote – RADIUS, LDAP & TACACS+)	
36	Support for RSA SecureID or other Token based Products	
37	Support for Native Windows Active Directory and Novell eDirectory Integration with SSO	

38	Should support PKI / Digital Certificate based two-factor Authentication for all type of users	
39	The VPN should be integrated with firewall and should be ICSA Labs certified for both IPsec and SSL-TLS.	
40	Should support protocols such as DES & 3DES, MD5, SHA-1, SHA-256 authentication, Diffie- Hellman Group 1, Group 2, Group 5, Group 14, Internet Key Exchange (IKE) v1 as well as IKE v2 algorithm, The new encryption standard AES 128, 192 & 256	
41	IPsec VPN should support XAuth over RADIUS and RSA SecurID or similar product.	
42	Should support minimum 1000 IPsec Site-to-Site and 5000 no of IPsec Site-to-Client VPN tunnels.	
43	Should have integrated SSL VPN with no user license restriction. If license is required add license for 300 concurrent SSL VPN users	
44	Should support SSL Two-factor Authentication with Digital Certificates	
45	Should support Single Sign-On Bookmarks for SSL Web VPN	
46	Should support Windows, Linux and MAC OS for SSL-VPN (Should have always-on clients for these OS apart from browser based access)	
47	Should support NAT within IPsec/SSL VPN tunnels	
48	Should also support PPTP and L2TP over IPsec VPN protocols.	
49	Should support Active-Active as well as Active- Passive redundancy.	
50	Should support State-full failover for both Firewall and VPN sessions.	
51	The HA Architecture should have the ability for Device Failure Detection and Notification as well as Link Status Monitor	
52	The HA Architecture should have the ability to share the load between 2 appliances in Active mode	
53	Should have ICSA Labs certified integrated Network Intrusion Prevention System	
54	Should have a built-in Signature and Anomaly based IPS engine on the same unit	
55	Should have protection for 4000+ IPS signatures	
56	Able to prevent denial of service and distributed Denial of Service attacks.	
57	Supports user-defined signatures (i.e., Custom Signatures) with Regular Expressions.	
58	IPS should also include Botnet filtering and detecting and preventing Botnet command and control traffic	
59	In event if IPS should cease to function, it will fail open by default and is configurable. This means that crucial network traffic will not be blocked and the Firewall will continue to operate while the problem is resolved.	
60	Should have Application control feature for 2500 or more applications	
61	Should perform Traffic Shaping of popular P2P applications	
62	Should control popular IM/P2P applications regardless of port/protocol	
63	The appliance should facilitate embedded anti virus support	
64	Gateway AV should be supported for real-time detection of viruses and malicious code for HTTP,HTTPS, FTP, SMTP, SMTPS, POP3 and IMAP, NNTP and IM protocols	

65	Should have configurable policy options. Possible to select traffic to scan for viruses	
66	Firewall should be able to submit unknown files to the cloud based ATP solution for prevention from zero day attacks	
67	Should have ability of IPS Checking, application control and Antivirus scanning for IPv6 traffic and for encrypted traffic like HTTPS	
68	Should have integrated Gateway level Client Reputation detection feature whereby client Authorization by device type independent of User, Device/User Monitoring & dynamically Control clients	
69	The appliance should facilitate embedded Web Content Filtering feature	
70	Web content filtering solution should work independently without the need to integrate with External proxy server.	
71	URL database should have 250 million or more URLs under more than 70 categories	
72	Should be able to block different categories/sites based on User Authentication.	
73	Should support Gateway Data Loss Prevention (DLP) feature for popular protocols like HTTP, HTTPS, FTP, POP3, IMAP, SMTP, POP3S, IMAPS, SMTPS and IM(AIM, ICQ, Yahoo, MSN) with Document Fingerprinting or provide an equivalent external DLP appliance solution which can be integrated with firewall	
74	Firewall should support logging to multiple syslog servers and should generate reports by integrating with other solutions. Reporting should not be done on firewall appliance as it would degrade the firewall security performance	
75	The log and reporting solution should be on premise or cloud based solution with retention of logs for at least minimum 6 months. With all necessary accessories, cables and driver s/w.	
Warranty	3 Years onsite comprehensive warranty	

Server Rack : 01 No.

Make & Model	<< Specify	Compliance
Specification	42U Server Rack with necessary accessories, cables, input Power panels and connectors with console, Keyboard and Mouse Panel, 3 Years onsite comprehensive Warranty	

Date & Place:

Signature of Bidder & Stamp

Financial Bid Format - Form F1

Sl.No.	Item details with make and model	Unit Price without taxes (Rs.)	Taxes/ Duties etc on unit price (Rs.)	Unit Price with all taxes (Rs.)	QTY (Nos)	Total price with taxes and duties etc
1	Server				01	
2	Peripherals				01	
3	OS Licences				32	
4	Firewall				01	
5	Server Rack				01	
Total Price incl. of all taxes (Rs.)						

Delivery & Installation period: Three weeks from the date of receipt of the Purchase Order.

Date

Signature of Bidder & Stamp

Annexure I - Bid Security (EMD) – Format for BG

TSTSL Ref. No.....

(To be issued by a bank scheduled in India and having at least one branch in Hyderabad)

Whereas..... (Here in after called "the Bidder") has submitted its bid Dated (Date) for the execution of..... (Here in after called "the Bid")
KNOW ALL MEN by these presents that WE of having our registered office at..... (hereinafter called the "Bank") are bound unto the Telangana State Technology Services Limited (hereinafter called "The TSTSL ") in the sum of for which payment well and truly to be made to the said TSTSL itself, its successors and assignees by these presents.

The conditions of this obligation are:

1. If the bidder withdraws its bid during the period of bid validity or
2. If the bidder, having been notified of the acceptance of its bid by the TSTSL during the period of bid validity and fails or refuses to execute the Purchase Order.

We undertake to pay the TSTSL up to the above amount upon receipt of its first written demand, without the TSTSL having to substantiate its demand, provided that in its demand the TSTSL 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 will remain in force up to the period mentioned in tender document and any demand in respect thereof should reach the Bank not later than the above date.

Place:
Date:

Signature of the Bank
and seal.

Annexure- II - Manufacturer Authorization

The authorization should be in the nature of a letter, memorandum or certificate regularly granted by the manufacturer to its channel partners, authorized solution providers, system integrators, distributors, etc. or a specific letter issued for purposes of this bid. Such communication should include statements / undertakings from the said manufacturer to the following effect:

Tender Ref. No: _____ Dt: _____

1. Warranty coverage in respect of the goods and services manufactured by the said manufacturer shall be honored by that manufacturer, their channel partners, distributors, authorized service centers as the case may be.
2. The manufacturer updates the bidder and their technical personnel with relevant technical literature etc. on a regular basis.
3. The manufacturer provides back to back technical support to the said bidder.
4. The said bidder is authorized to provide service and solutions using hardware, firmware and / or software as the case may be.

Signature with Name,
Designation,
Phone No & e-mail ID.

Note: The letter of authority should be signed by a person competent and having the power of attorney to bind the manufacturer. **The MAF shall be submitted on Letter Head of the OEM.**