



**GOVERNMENT OF INDIA**

**Directorate General of Income-tax (Investigation), Tamilnadu & Puducherry**  
Investigation Wing Building, New No. 46, Utthamar Gandhi Salai, Nungambakkam, Chennai - 600 034.  
Telephone: **044-28254036** Fax: **044-28253652**

**NOTICE INVITING TENDER**

**DATED: 04.04.2018**

**PURCHASE OF INFRASTRUCTURE FOR SERVER ROOM FOR INCOME TAX (INVESTIGATION),**  
**CHENNAI**

The Income Tax Department intends to upgrade the INFRASTRUCTURE of its SERVER ROOM shortly. Quotations are invited from reputed agencies /individuals who are interested and capable of supplying all the items listed in the Annexure attached herewith, may submit the quotations in a sealed envelope, to the Income Tax Officer (OSD), Office of the Director General of Income Tax (Investigation), Chennai.

Last date for submission of sealed quotations: **04<sup>th</sup> May 2018 , 4.00 PM.**

(A V SREEKANTH)

**Joint Director of Income Tax (Inv)(Hq),**  
**O/o. DGIT(Inv), Tamilnadu & Puducherry**





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F.No.1064/Tender/2018-19

Dated : 04.04.2018

For and on behalf of The President of India, sealed tenders are invited by the Director General of Income Tax (Investigation), Chennai from reputed agencies /Individuals who can supply all the items listed in the Annexure attached herewith for INFRASTRUCTURE of the SERVER ROOM in the Office of the Director General of IncomeTax (Investigation), Chennai, as per the specifications mentioned in Annexure A-1, A-2, A-3 and A-4. The following are the requirements:

S No	Item Name	Qty
1	Router, Firewall etc. as per specifications attached as (Annexure A-1)	1
2	Server (AS + DB + IMS proxy server) (Annexure A-2)	3
3	PCs for alarms with RHEL 6 (Annexure A-3)	1
4	PCs for monitoring , provisioning and intercept and system administration with Windows 10 (Annexure A-3)	17
5	OS : RHEL server version 6.6 software	3
6	DB: My SQL Enterprise server software perpetual license	1
7	RJ-45 Cat 6E cables, 3 Mtrs.	15
8	19" rack with KVM, rack optimized mouse, keyboard & Monitor(Annexure-A-4)	1



## TENDER PROCESS

1. Tender is invited in two parts i.e. 1) Technical Bid 2) Financial Bid.

The tender form for Technical bid in proforma prescribed in Annexure-B1 and the tender form for the financial bid in proforma prescribed in Annexure-B2 complete in all respects shall be submitted in two separate sealed covers addressed to the Income Tax Officer (OSD), O/o Director General of Income tax (Inv), No 46, Uthamar Gandhi Salai, Nungambakkam, Chennai - 600 034, by 04.00 p.m. on or before 04.05.2018. The sealed covers should be super-scribed with the words, "Technical Bid - Supply of Infrastructure for Server Room" and "Financial Bid - Supply of Infrastructure for Server Room" respectively. Technical Bids will be opened on 09.05.2018 at 11:30 a.m. in the presence of bidders/duly authorized representatives, at the Conference Hall (Room No 204), Second Floor, Investigation Wing Building, No 46, Uthamar Gandhi Salai, Nungambakkam, Chennai 600 034. Tenders submitted beyond the due date will not be considered under any circumstances. Incomplete bid documents shall be rejected. The Technical bids shall be scrutinized by the Department to short list the eligible bidders. The financial bids of the short listed bidders will be opened later.

2. If the tenders are sent by post / courier, it should be ensured that the cover should be intact at the time of reaching destination without any damage or loss. Department is not responsible for the delay on account of Postal / Courier Services.
3. Earnest Money Deposit (EMD) of Rs.1,50,000/- (Rupees One Lakh and Fifty thousand only) per application in the form of Demand Draft/Banker's cheque of a Scheduled Bank, drawn in favour of The Drawing and Disbursing Officer, O/o The Director General of Income Tax(Inv), Chennai-34 shall accompany the Technical bid. Technical bids without EMD will be rejected. Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with the Central Purchase Organisation or the concerned Ministry or Department are exempted from submitting EMD (Rule 170(i) of GFR 2017). EMD will be returned to all the unsuccessful bidders at the end of the selection process. However, the EMD shall be forfeited in case the successful bidder withdraws or the details furnished in Annexure - B1 & B2 are found to be incorrect or false during the tender selection process. No interest shall be paid on the EMD. EMD of the selected bidder will be retained till successful completion of supply of material.
4. The bidder shall sign and stamp each page of this tender document and all other enclosures appended to it, as a token of having read and understood the terms and conditions contained herein and submit the same along with the Technical bid. The bidder would fill up the information in the Annexure B1 & B2 enclosed at the end of this document in clear and legible terms. Wherever required the prices quoted shall be written in figures and words as well. Annexure shall also have to be signed and stamped by the bidder or its authorized signatory.



5. Bidder should have minimum three years of experience in supplying Servers and other accessories to Government / Public Sector companies or any other reputed concerns.
6. Interested concerns are requested to quote the rate of the all the items inclusive of all related expenses such as transportation cost, taxes applicable etc. and warranty period for the same in their bid.
7. If the selected bidder defaults in the supply of materials as per the specifications within time limit as may be specified, the EMD amount will be forfeited, as penalty.
8. The Director General of Income Tax (Investigation), Chennai reserves the right to accept or reject any or all quotations without assigning any reasons.
9. Notwithstanding anything contained above, this contract can be cancelled by the Department without any notice, for violation of any terms or conditions of the contract.
10. The tender documents are not transferable.
11. The decision of Tender Committee shall be final and conclusive.
12. In case any deviation for non conformity to terms / conditions at any stage, the department reserves rights to blacklist the bidder and the blacklisted bidder shall not have any dealing with the Department in future.
13. The bidder should ensure that the following documents form part of the Technical bid-
  - a. Annexure-B1 (duly filled-in) along with necessary enclosures.
  - b. EMD for Rs.1,50,000/- (Rupees One Lakh and Fifty thousand only) in the form of Demand Draft / Banker's Cheque drawn in favour of 'The Drawing and Disbursing Officer, O/o The Director General of Income Tax(Inv), Chennai-34'.
  - c. Tender Document (all pages signed)
14. The Financial Bid should contain:
  - a) Duly filled-in Annexure-B2



## Specifications for Secure Service router

S.No.	Specifications
<b>A.</b>	<b>Performance Requirement</b>
1.	Wire speed performance equivalent to 45Mbps or higher for concurrent services such as Routing and Firewall, IPS, VPN, Encryption/Decryption.
2.	Active/Active and Active/Standby support for all services and stateful failover of runtime sessions using integrated or dedicated Stateful Firewall. In case if firewall is dedicated module or chassis it should support transparent mode to avoid the creation of additional L3 network in-between.
3.	<ul style="list-style-type: none"> <li>• 4x10/100/1000 Mbps and 2xGigabit SFP (SX &amp; LX one each) router Ports (At least 4 Ports should be usable in any combination)</li> <li>• 16x10/100/1000 Mbps L3 Switched Ports at wire speed,</li> </ul>
4.	Hardware based encryption and VPN Support for 3DES, and AES 256, VPN tunnels.
5.	Intrusion Prevention as well as other essential security features.
<b>B.</b>	<b>Routing &amp; Multicasting</b>
6.	IPv4 and IPv6 support, including IPv4-IPv6 tunnels
7.	Static routing, RIPv1/2, RIPvng for IPv6, OSPFv2 and v3, BGP4/4+
8.	Policy-based routing
9.	Inter-VLAN routing
10.	High availability: VRRP, redundant router connections
11.	IGMPv1/2/3 for IPv4; MLDv1/2 for IPv6
12.	PIM-SM for IPv4/v6
<b>C.</b>	<b>LAN Features</b>
13.	10/100/1000 Base-TX
14.	IEEE 802.1x port authentication, MAC based authentication
15.	IEEE 802.1p
16.	IEEE 802.1Q
17.	IEEE 802.3ad LACP
18.	IEEE 802.1s MSTP
19.	VLAN Registration Protocols for dynamic VLANs
20.	Port mirroring
21.	Jumbo frames
<b>D.</b>	<b>WAN Features</b>
22.	Serial V.35
23.	Point-to-Point Protocol (PPP), including PPP over Ethernet (PPPoE)
24.	HDLC



25.	Multilink PPP (MLPPP)
<b>E.</b>	<b>Quality of Service/Traffic Management</b>
26.	WRED, DiffServ, bandwidth guarantee/sharing, flow monitoring, traffic policing
27.	8 level Priority Class Based Queuing – Per IP address/subnets, ports, DSCP and ToS bits, VLAN ID, (802.1Q), VLAN Priority (802.1p)
28.	VLAN Classification (port and MAC based)
<b>F.</b>	<b>Firewall</b>
29.	Stateful Packet Inspection and failover Firewall
30.	Routed or transparent mode of operation
31.	Multiple zone support (including Corporate, Internet, DMZ)
32.	Access Control Lists (ACL)
33.	NAT, including policy-based NAT/PAT
34.	Multiple Distributed Denial of Service (DDoS) Attack Preventions
35.	IPSec, PPTP
36.	IPS: Integrated Inline DPI based detection and mitigation of all network threats and viruses. Signature updation/distribution should be possible through centrally placed in-house management server.
<b>G.</b>	<b>VPN</b>
37.	Integrated hardware for encryption and VPN acceleration
38.	IPSec VPN with Stateful failover, Group VPN Based on RFC 6407, GDOI
39.	3DES, AES, SHA1, SHA-256
40.	VPN Client support
<b>H.</b>	<b>Management &amp; Service provisioning</b>
41.	Management: Telnet, SSHv2, SFTP, PAP, CHAP, SNMPv2, SNMP v3, DHCP, DNS Proxy, RADIUS, TACACS+, PKI functions and management of keys and X.509 digital certificates.
42.	Monitoring: Syslog, statistics, RMON, alarm
43.	Diagnostics: BERT, loopback testing, trace route, packet capture
<b>I.</b>	<b>Reliability &amp; Availability</b>
44.	Redundant power supply (Internal) and variable-speed cooling fans.
45.	Hot swappable Modules
<b>J.</b>	<b>International Power Safety &amp; Energy efficiency certifications</b>
46.	UL/CSA/IEC/EN 60950-1
47.	Common Criteria (ISO/IEC 15408) EAL or NIAP/CCEVS Protection Profiles certification for the model or family.



## Specification for Server

S.No.	Parameter	Specifications
1.	Processor	Intel® Xeon® processor Gold 6152 or higher
2.	No of Processors	2
3.	Memory	128 GB using 8x16GB 16 GB RDIMM, DDR4-2133MT/s, or higher (LRDIMMs also acceptable.
4.	PCI Slots	Minimum 1 nos. of PCI-Express Gen3 Slot shall be available for future expansion (After taking into account all the mandatory and optional hardware mentioned in this document)
5.	InterfacePorts	a) Serial port- 1; b) Mouse - 1; c) Keyboard - 1; d) VGA Graphics - 1 e) USB 3.0 or above - 4; f) RJ45 Network ports - 4 +1 (for Remote Management) (In case Mouse and Keyboard are USB based then additional USB ports to be given. Similarly for serial port converted from USB, additional USB port shall be provided along with USB to Serial converter.)
6.	Hard Disk Drive	To be supplied with 6 x 1.8 TB (or higher capacity) 10K rpm 12G SAS Enterprise HDD in RAID6
7.	Bays	Should support minimum 8 nos. of SAS Drives
8.	RAIDController	12 Gbps or higher throughput HW RAID Controller supporting RAID 0/1/1+0/5/6 with minimum 1 GB of Flash-backed write cache.
9.	FC HBA	2 x Single Port Qlogic 16 Gbps FC HBA or 1 X Dual Port 16 Gbps Qlogic FC HBA
10.	Optical Drive (internal/ external)	DVD-RW Drive or DVD/CD Compatible Blu-Ray Disc Drive). External is acceptable if tray is provided.
11.	Graphics Controller	Integrated on-board graphics with support for 16 Million color: resolution of 1280 x 1024 or higher.
12.	Gigabit Ethernet ports	4 nos of Gigabit Ethernet ports full duplex. The network ports should also provide the following functionalities for all supported OS: Ethernet Bonding, Failover and load balancing, Wake on LAN Pre-Boot Execution Environment (PXE) Multiple VLAN tagging Auto-negotiation for 10/100/1000 Mbps
13.	Redundant Power Supplies	Redundant Hot Plug Power Supplies (230 VAC). The power supplies shall be either 80 Plus platinum certified or better



14.	Redundant cooling Fans	Redundant Hot Plug fans
15.	Form Factor	Rack mountable with rack mount kit and rails(preferably 2U or less)
16.	OS Support	The quoted server should support the following Operating Systems: RHEL 6 and above VMware vSphere™ 5.0 and above
17.	Backup drive	LTO-6 tape drive (preferably internal) with six media and one cleaning cartridge <i>*in case external tape drive is quoted additional controller and rack mounting accessories shall be provided</i>
18.	Remote Manageability	<ul style="list-style-type: none"> <li>❖ It shall be possible to manage the server hardware and software components remotely.</li> <li>❖ The server hardware shall be manageable even when it is shutdown or crashed.</li> <li>❖ It shall be possible to power on/off and boot the system remotely.</li> <li>❖ It shall have the following features: <ul style="list-style-type: none"> <li>• Real time power reading;</li> <li>• POST;</li> <li>• Event log;</li> <li>• Browser and CLI support;</li> <li>• Secure Socket Layer;</li> <li>• Secure Shell.</li> </ul> </li> </ul>
19.	Server Management	<p>OEM software for management of Servers must be Included as standard. It should integrate with any SNMP based industry standard Network Management Software. (The SNMP MIBs for all the hardware and software components shall be provided in a DVD or USB media).</p> <p>Should provide Fault management and automatic event handling through e-mail, SMS. Should provide Role based secured remote management using Secure Sockets Layer (SSL) and Secure Shell (SSH) to encrypt management communications.</p> <p>Should provide Pre-failure warning for- CPU, Memory, and HDD. Preferably it should have local LED/LCD based diagnostic panel for easy fault identification.</p>
20.	Warranty	The entire hardware and software shall carry a comprehensive onsite warranty of 3 years from the date of commissioning





## Specification for Desktop

S. No.	Parameter	Details
1	CPU/Speed	Intel ® Core TM i7-7700 with Intel® HD Graphics 630 (3.6 GHz base frequency, up to 4.2 GHz with Intel ® Turbo boost Technology, 8 MB Cache, 4 Cores)
2	RAM	16 GB DDR4-2400 SDRAM (upgradable to 32 GB without discarding existing memory)
3	Storage	2 x 1TB 7200 rpm SATA 3Gb/s hard drive or better (SSHD also acceptable) Optical Drive – 22 X DVD +/-R/RW (or better) with DVD writer Software. Shall be able to write on dual layer DVD media
4	Video Controller	Intel HD Graphics Multiple Displays, Multi Tasking Display Port out for dual independent Displays
5	Monitor	21.5" LED Flat Panel Display with 1920 x 1080 Resolutions
6	Keyboard	Multimedia/Internet Keyboard and Optical Mouse from OEM
7	Audio	Integrated high definition with audio parts High Definition Stereo Headset (headphone with Microphone) with noise cancellation External Stereo Speakers
8	Network Interface	2 x 10/100/1000 Mbps Ethernet Network Card, Auto sensing.
9	Bus Slots	One x16 PCI Express slot
10	Ports	Minimum 6 USB Ports 2.0 / 3.0 Ports inclusive of atleast two USB 3.1 1 RJ45 1VGA 1 Display Port 2 Line in (Stereo / Microphone) 2 Lineout(headphone / speaker)
11	Mouse	Optical Scroll (3 button) Mouse with mouse pad
12	Power Supply	220-240 VAC, 50 Hz With Indian Power cables
13	Drivers/Accessories	Required drivers and cables to be provided
14	O.S	a. Genuine Microsoft 64 bit Windows 10 Professional with License and Media. (Restore CD's not acceptable. Required Driver CD's to be provided). b. Antivirus with three years subscription
15	Warranty	a. 3 years Comprehensive onsite warranty support for Hardware and OS from the date of Installation/Acceptance b. Vendor should provide OEM warranty card mandatorily c. The equipment shall be supported for atleast 5 years from the date of acceptance
16	Post Sales Support	Principal/Supplier should have a full fledged service center in Chennai
17	Installation	Installation/Creation of Partition, OS Installation and enabling Restore option onsite
18	Cables, drivers, connectors and accessories	All the necessary cables, connectors and accessories if any to be provided.



## Specification for 19" Rack

Sl.	Specifications
1.	DIMENSIONS: 42U 800mm (W) X 1200mm (D)
2.	Color : Powder coated Black
3.	At least two (2) rear vertically mounted PDUs with a total of 24 nos. of 6A/16A, 230V , C13 sockets. The inputs to the PDUs shall be provided using NEMA connectors. Two sets of single phase 32A NEMA connectors (each set inclusive of both male and female parts) along with 2 nos. of 32A MCBs and mounting boxes` shall be provided. 15 meter long FRLS power cables with each wire having 4 mm <sup>2</sup> cross sectional area shall be provided for input to each PDU. The electrical cabling from the UPS output point available at the site to the NEMA connector BOX near the rack shall have to be carried out by the bidder using 4 mm <sup>2</sup> FRLS cable and appropriate cap-on-casing or conduit depending on the site suitability. All cables, sockets and circuit breakers shall be ISI/UL certified Note : Compatible Power Cords should be provided for all Equipment supplies
4.	Top mounted Fan Tray with 4 fans ( should not consume mounting slots (out of 42 U) or sockets in the PDU)
5.	1 Fixed tray
6.	1 sliding 2U drawer
7.	Wheels with locks
8.	1 U sliding rack optimized Keyboard, mouse, monitor with KVM to connect 6 servers and the networking equipment
9.	Grounding Kits
10	Perforated metal front door(single) and back doors (double) with doorknobs at the outside of the doors and both should have unique lock and key arrangement. There shall be two LED lamps inside the rack, one at the front side and one at the back side which shall turn-on only when the front door and the back doors are opened. The purpose is to provide visibility to the front and back sides of the equipment inside the rack.
11.	Rear vertical cable managers
12.	Metallic side panels
13.	Provision for air flow
14.	Mounting Hardware
15.	100 nos. of nuts and bolts
16.	A Packet consisting of 100 nos of reusable Velcro tie wraps
17.	RJ-45 Cat 6E patch cords, factory crimped with boot for protection, UL/ETL Certified , length, length: 3 Meters



## TECHNICAL BID DOCUMENT

- 1) Name of the Supplier
- 2) Address (with Telephone No. and Fax No.)
- 3) Contact person with Designation (with Mobile No. & Email )
- 4) Details of entity Registration/GST Registration (copies to be attached)
- 5) PAN/TAN (copies to be attached)
- 6) How many years have you been in business and what are the major brands you deal with. Also mention the names and addresses of two concerns to whom you have supplied in the last three years along with documentary evidences.
- 7) Please specify the brand, specifications, warranty/extended warranty and after sales commitments of the items you offer (if required separate annexure to be attached).
- 8) Supporting information with respect to the technical data, drawings or booklets of product. Any product manual brief, test certificates available may be enclosed.
- 9) Whether rates have been quoted in respect of all the items mentioned in Tender Notice?
- 10) EMD Details (DD to be enclosed)

Name of the Bank	
DD Number	
Date	
Amount	

- 11) Any other point you want to mention.

## DECLARATION

I hereby declare that the information furnished above is true and correct to the best of my/our knowledge

Signature of Authorized Signatory with date

## FINANCIAL BID DOCUMENT

- 1) Name of the Supplier
- 2) Address with contact No.
- 3) Authorized Person with Designation (Contact No.)
- 4) Quoted Price Total for all items (Both in words and figures) (All inclusive)

S. No.	Item Description	Configuration/Specification	Unit Price (Inclusive of all taxes)

## DECLARATION

I hereby declare that the information furnished above is true and correct to the best of my/our knowledge.

Signature of Authorized Signatory with date