

Annexure - Clarifications

Corrigendum wrt Tender Enquiry Ref. No.-AA:CIT:P31:LEASE/2010

Amendments in RC2010 Terms & Conditions and Technical Specifications

S.No.	Item No.	Item Name	Parameter	Original text	Replaced /Changed Text
1	T & C	Terms & Conditions Clause No 3.11.3	Clause No 3.11.3	Servers (SR01H, SR02H and SR03H) shall be of same OEM. No mix and match is allowed	Servers (SR01H and SR02H) shall be of same OEM. No mix and match is allowed
2	NB01L	Notebook - General	Memory	3GB DDR3 1066MHz RAM expandable up to 6GB with 2 DIMM Slots	4GB or higher Dual Channel DDR3 @ 1066 MHZ expandable to 8GB or higher
3	NB02L	Notebook - Lightweight Type-I	Processor	Intel® Core™ i7 Processor 640UM (1.2GHz) or higher	Intel® Core™ i7 Processor 640UM (1.2GHz)/640LM (1.2GHz) or higher
4	NB02L	Notebook - Lightweight Type-I	Screen	12"/12.1" WXGA color LED display, anti glare	12 inch to 13.5 inch WXGA color LED display, anti glare
5	NB02L	Notebook - Lightweight Type-I	Optical Drive	Integrated 8x DVD RW or higher	8x or higher internal or external USB based DVD-RW
6	NB03L	Notebook - Engineering	Chipset	Intel PM55 chipset or later	Intel PM55/QM57 chipset or later
7	NB03L	Notebook - Engineering	Memory	8GB DDR3 1066MHz RAM expandable up to 16GB with 2 DIMM Slots	8 GB DDR3 @1066MHz RAM with 2 DIMM Slots
8	NB04L	Netbook - Lightweight Type-II (Netbook)	Ports	Minimum 3 USB (Ver. 2.0) including 1eSATA / USB combo, VGA, Speaker, Microphone	Minimum 3 USB (Ver. 2.0) , VGA, Speaker, Microphone
9	NB04L	Netbook - Lightweight Type-II (Netbook)	Battery	Minimum 4 hours or more backup in standard business environment, ACPI Compliant.	Minimum 3.5 hours or more backup in standard business environment, ACPI Compliant.
10	NB04L	Netbook - Lightweight Type-II (Netbook)	Slots	Express Card Slot, Multi-Card Reader	Express Card Slot/USB 2.0, Multi Card Reader

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11	PC01L	PC - General	Monitor (Asset Controlled)	17" TFT (OEM make) with Aspect ratio 5:4 and min. resolution of 1280*1024 TCO 05 compliant	17" TFT (OEM make) with Aspect ratio 5:4 or 4:3 and min. resolution of 1280*1024 TCO 03/05 compliant
12	PC02L	Engineering - PC	RAM	6GB dual channel DDR3 SDRAM @ 1066 MHz expandable to 12 GB	6GB or higher Dual Channel DDR3 SDRAM @ 1066 MHZ expandable to 12 GB or higher
13	PC02L	Engineering - PC	Graphics Card	Professional 3D graphic card (NVIDIA or ATI Firepro) 1 GB	Professional Graphics Card 3D Graphic Card (NVIDIA or ATI Firepro) with 512MB
14	PC03L	PC - Thinclient - Fanless	RAM	2 GB DDR3 upgradable to 4GB	2GB DDR2/DDR3 RAM or higher
15	PC03L	PC - Thinclient - Fanless	Monitor (Asset Controlled)	17" TFT Monitor (OEM make), TCO 05 compliant	17" TFT Monitor (OEM/Desktop - PC01L make), TCO 03/05 compliant
16	WS01L	Graphics Workstation - Type I	RAM	6 GB dual channel DDR3 1066 MHz or higher expandable to 24 GB	6GB or higher Dual Channel DDR3 @ 1066 MHZ expandable to 24 GB or higher
17	WS02L	Graphics Workstation - Type II	RAM	8 GB dual channel DDR3 1333 MHz , expandable upto 48GB	8GB or higher Dual Channel DDR3 @ 1333 MHZ expandable to 48GB or higher
18	UP08H	40 KVA Online UPS	Battery type	Two independent Sealed Maintenance Free battery banks with a separate Battery Rack	Sealed Maintenance Free with a separate Battery Rack
19	UP08H	40 KVA Online UPS	Backup	Min. 60 minutes backup on full load on each battery bank	Min. 60 minutes backup on full load

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20	ST02H	NAS Storage	Backup device	Should come with LTO 4 Ultrium drive with 5 nos. of 800GB capacity tapes and necessary backup software with SCSI Adaptor & Cable to be provided to connect LTO to NAS box. 2 Cleaning Cartridges to be provided also.	Should come with LTO 4 Ultrium drive with 5 nos. of 800GB capacity tapes and necessary backup software with SAS/SCSI Adaptor & Cable to be provided to connect LTO to NAS box. 2 Cleaning Cartridges to be provided also.
21	SR01H	Server 2-Way	LAN Card	4 Nos. of separate 10/100/1000 Ethernet Cards (with atleast 2 on board)	2 Nos. of separate 10/100/1000 Ethernet Cards each with 2 ports (with at least 1 card on board)
22	SR01H	Server 2-Way	Certifications	ERTL / FCC - EMC class B	ERTL/FCC-EMC Class A or Class B
23	SR02H	Blade Server	NIC	Embedded 2 No.s Multifunction Gigabit Network Adapters with TCP/IP Offload Engine + 1 dedicated port for remote management	NIC Embedded 2 No.s Multifunction Gigabit Network Adapters each with 2 ports with TCP/IP Offload Engine + 1 dedicated port for remote management
24	SR02H	Blade Server	Certifications	ERTL / FCC - EMC class B	ERTL/FCC-EMC Class A or Class B
25	SR03H	RISC / EPIC Server	Certifications	ERTL / FCC - EMC class B	ERTL/FCC-EMC Class A or Class B
26	SR03H	RISC / EPIC Server	Certifications	ACPI (Latest Vesion) compliant	ACPI (Latest Vesion)/ Energy Star compliant
27	SR04H	Fault Tolerant Server	LAN Card	4 Nos. of separate 10/100/1000 Ethernet Cards (with atleast 2 on board)	2 Nos. of separate 10/100/1000 Ethernet Cards each with 2 ports (with at least 1 card on board)

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28	SR04H	Fault Tolerant Server	Certifications	ERTL / FCC - EMC class B	ERTL/FCC-EMC Class A or Class B
29	NS01H	Layer 2 Switch - 24 Ports	Standards & Protocol Support	8) VLAN Trunking Protocol	8) VLAN Trunking Protocol or Equivalent and should strictly comply with tender terms and condition clause No. 3.11.9
30	NS01H	Layer 2 Switch - 24 Ports	Standards & Protocol Support	9) Dynamic Trunking Protocol (DTP)	9) Dynamic Trunking Protocol(DTP) or Equivalent and should strictly comply with tender terms and condition clause No. 3.11.9
31	NS01H	Layer 2 Switch - 24 Ports	Standards & Protocol Support	12) DHCP Server & DHCP Relay	Deleted
32	NS02H	Layer 2 Switch - 48 Ports	Standards & Protocol Support	8) VLAN Trunking Protocol	8) VLAN Trunking Protocol or Equivalent and should strictly comply with tender terms and condition clause No. 3.11.9
33	NS02H	Layer 2 Switch - 48 Ports	Standards & Protocol Support	9) Dynamic Trunking Protocol (DTP)	9) Dynamic Trunking Protocol(DTP) or Equivalent and should strictly comply with tender terms and condition clause No. 3.11.9
34	NS02H	Layer 2 Switch - 48 Ports	Standards & Protocol Support	12) DHCP Server & DHCP Relay	Deleted
35	NS03H	Layer 3 Switch (Type -I)	Standards & Protocol Support	8) VLAN Trunking Protocol	8) VLAN Trunking Protocol or Equivalent and should strictly comply with tender terms and condition clause No. 3.11.9

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36	NS03H	Layer 3 Switch (Type -I)	Standards & Protocol Support	9) Dynamic Trunking Protocol (DTP)	9) Dynamic Trunking Protocol(DTP) or Equivalent and should strictly comply with tender terms and condition clause No. 3.11.9
37	NS03H	Layer 3 Switch (Type -II)	Standards & Protocol Support	8) VLAN Trunking Protocol	8) VLAN Trunking Protocol or Equivalent and should strictly comply with tender terms and condition clause No. 3.11.9
38	NS03H	Layer 3 Switch (Type -II)	Standards & Protocol Support	9) Dynamic Trunking Protocol (DTP)	9) Dynamic Trunking Protocol(DTP) or Equivalent and should strictly comply with tender terms and condition clause No. 3.11.9
39	NS03H	Layer 3 Switch (Type -II)	Forwarding Bandwidth	155 Gbps or More	128 Gbps or more
40	NS09H	ROUTER- Type-I	Router Architecture	Should be based on high speed RISC Processor	Should be based on high speed RISC Processor/ Equivalent.
41	NS09H	ROUTER- Type-I	Multicasting and QoS	Multicast Routing support such as DVMRP, Protocol Independent Multicast (PIM) or MOSPF	Multicast Routing support such as DVMRP or Protocol Independent Multicast (PIM) or MOSPF

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42	NS09H	ROUTER- Type-I	IP Telephony Support	Should be future scalable to support call processing and voicemail capabilities for 400 users. Should support onboard DSPs slots to provide support for analog voice, digital voice, conferencing, transcoding, and Secure Real Time Protocol (sRTP). Should also support fallback mechanism for providing connectivity for IP Telephony for remote sites.	Should be future scalable to support call processing and voicemail capabilities for 400 users. Should support onboard DSPs slots to provide support for analog voice, digital voice, conferencing, transcoding, and Secure Real Time Protocol (sRTP) or equivalent. Should also support fallback mechanism for providing connectivity for IP Telephony for remote sites
43	NS09H	ROUTER- Type-I	Sustainability	Should be able to control power to the modules based on the time of day.	Deleted.
44	NS10H	ROUTER- Type-II	Router Architecture	Should be based on high speed RISC Processor	Should be based on high speed RISC Processor/ Equivalent.
45	NS10H	ROUTER- Type-II	Multicasting and QoS	Multicast Routing support such as DVMRP, Protocol Independent Multicast (PIM) or MOSPF	Multicast Routing support such as DVMRP or Protocol Independent Multicast (PIM) or MOSPF

S.No.	Item No.	Item Name	Parameter	Original text	Replaced /Changed Text
46	NS10H	ROUTER- Type-II	IP Telephony Support	Should be future scalable to support call processing and voicemail capabilities for 150 users. Should support onboard DSPs slots to provide support for analog voice, digital voice, conferencing, transcoding, and Secure Real Time Protocol (sRTP). Should also support fallback mechanism for providing connectivity for IP Telephony for remote sites	Should be future scalable to support call processing and voicemail capabilities for 150 users. Should support onboard DSPs slots to provide support for analog voice, digital voice, conferencing, transcoding, and Secure Real Time Protocol (sRTP) or equivalent. Should also support fallback mechanism for providing connectivity for IP Telephony for remote sites
47	NS10H	ROUTER- Type-II	Sustainability	Should be able to control power to the modules based on the time of day.	Deleted.
48	NS12H	Server Load Balancer	Global Server Load Balancing support in same device	Should support Global Triangulation	Should Support GLOBAL SERVER LOAD BALANCING (GSLB)
49	NS07H	Wireless Access Point	Antenna	Should come with minimum 5 antenna for different frequency bands to provide extended range.	Should come with minimum 4 antenna for different frequency bands to provide extended range
50	MS06H	Tape Library	Connectivity	Should come with two nos. of SAS/SCSI ports & necessary SAS/SCSI cards & cables for connecting with backup server.	Should come with two nos. of FC/SAS/SCSI ports & necessary cards & cables for connecting with backup server

S.No.	Item No.	Item Name	Parameter	Original text	Replaced /Changed Text
51	MS08H	Ultrium Autoloader	Ultrium Autoloader	Ultrium Auto Loader (OEM Make) (Rack Mount) with 1 no. of LTO (Generation 4) drive (800/ 1600GB) and min. 7 nos. of media slots with necessary SCSI Controller (to be installed on server) & cable to connect to server. Necessary backup software for automated backup of multiple Windows & Linux servers and 10 media packs & one cleaning cartridge to be provided. The Ultrium Auto Loader must work with Windows 2000/2003/2008 or higher, Red Hat Linux 7.2 or higher & Unix Systems	Ultrium Auto Loader (OEM Make) (Rack Mount) with 1 no. of LTO (Generation 4) drive (800/ 1600GB) and min. 7 nos. of media slots with necessary SAS/SCSI Controller (to be installed on server) & cable to connect to server. Necessary backup software for automated backup of multiple Windows & Linux servers and 10 media packs & one cleaning cartridge to be provided. The Ultrium Auto Loader must work with Windows 2000/2003/2008 or higher, Red Hat Linux 7.2 or higher & Unix Systems
52	SW13L	Adobe Acrobat 9 Pro or Latest (with media)	Adobe Acrobat 9 Pro or Latest (with media)	Adobe Acrobat 9 Pro or Latest (with media)	Adobe Acrobat 9 Pro or Latest
53	SW14L	Adobe Acrobat 9 Pro Extended or Latest (with media)	Adobe Acrobat 9 Pro Extended or Latest (with media)	Adobe Acrobat 9 Pro Extended or Latest (with media)	Adobe Acrobat 9 Pro Extended or Latest
54	NB01L (A1)	Notebook - General (Higher RAM)	Notebook - General (Higher RAM)	6GB DDR3 1066MHz RAM in place of 3GB DDR3 1066MHz RAM	8GB DDR3 1066MHz RAM in place of 4GB DDR3 1066MHz RAM
55	NB03L (A1)	Notebook -Engineering (Higher RAM)	Notebook - Engineering (Higher RAM)	16GB DDR3 1066MHz RAM in place of 8GB DDR3 1066MHz RAM	Deleted

S.No.	Item No.	Item Name	Parameter	Original text	Replaced /Changed Text
56	PC02L (A1)	Engineering PC (Higher RAM)	Engineering PC (Higher RAM)	12GB dual channel DDR3 RAM 1066MHz in place of 6GB or higher dual channel DDR3 RAM 1066MHz	12GB or higher dual channel DDR3 RAM 1066MHz in place of 6GB dual channel DDR3 RAM 1066MHz
57	WS01L (A1)	Graphics Workstation - Type I (Higher RAM)	Graphics Workstation - Type I (Higher RAM)	12GB dual channel DDR3 1066MHz in place of 6GB dual channel DDR3 1066MHz	16GB dual channel DDR3 1066MHz in place of 6GB dual channel DDR3 1066MHz
58	OP01H (A1)	Network Management Solution	Network Management Solution (500 devices)	New Add-on item being created	support up to 500 devices in lieu of 300 devices
59	OP01H (A2)	Network Management Solution	Network Management Solution (1000 devices)	New Add-on item being created	support up to 1000 devices in lieu of 300 devices
60	OP01H (A3)	Network Management Solution	Network Management Solution (more than 1000 devices)	New Add-on item being created	support more than 1000 devices in lieu of 300 devices
61	SW01H (A1)	Red Hat Enterprise Linux Advance Platform v5 or latest with 5 years subscription	Red Hat Enterprise Linux Advance Platform v5 or latest with 5 years subscription (premium Support)	New Add-on item being created	Premium Support in lieu of Standard support
62	SW02H (A2)	Red Hat Enterprise Linux Server v5 or latest with 5 years subscription	Red Hat Enterprise Linux Server v5 or latest with 5 years subscription (premium Support)	New Add-on item being created	Premium Support in lieu of Standard support
Note: 1) Add-on Item No NB03L (A1) has been Deleted. 2) For new add-on items OP01H (A1), OP01H(A2), OP01H(A3), SW01H(A1), SW02H(A1), quantity can be assumed as 1 each, actual quantity will be as per order palced by various Units.					