

Corrigendum in Technical Specification for Tender No. CC-1/2007

Section III: Schedule of Requirement

1(a). Server - Dual Processor based (All the options have to be quoted).

(i) AMD Based (Option – 1)

| Parameters | Original Specification | Revised Specification |
|------------------------------------|---|---|
| Chipset | Either of the following :- <ul style="list-style-type: none"> • AMD Chipset 8111 & 8132 • Broadcom Serverworks HT-2100 Northbridge and HT1000 Southbridge Chipset | Either of the following :- <ul style="list-style-type: none"> • AMD Chipset 8111 & 8132 • Broadcom Serverworks HT-2100 Northbridge and HT1000 Southbridge Chipset • Nvidia MCP 55 Pro |
| Form Factor (new parameter) | | Rackmountable |
| Storage | 8 Nos. Hot Plug 146GB 3Gb/sec SAS Disks with 15000 RPM or higher in RAID-5. | 8 Nos. Hot Plug 146GB 3Gb/sec SAS Disks with 10000 RPM or higher in RAID-5. |
| Backup Device | Internal Digital Linear Tape (DLT) Drive with 40/80 GB or higher. | Internal/External Digital Linear Tape (DLT) Drive with 40/80 GB or higher. |
| Server Management Software | Web based monitoring for: - <ul style="list-style-type: none"> • Support Remote Access & Remote monitoring • Server trouble shooting • Health Indicator and Corrective Action including Auto Mated Power Cycling • OS Watch DOG Timer and Fault Resilient Booting • Raid Array Diagnostic Tool with ability to view Disc status and array status with pre-failure warning capability. | (i) Web based monitoring for: - <ul style="list-style-type: none"> • Support Remote Access & Remote monitoring • Server trouble shooting • Health Indicator and Corrective Action including Auto Mated Power Cycling. • Raid Array Diagnostic Tool with ability to view Disc status and array status with pre-failure warning capability. (ii) Enhanced Intelligent Platform Management Interface (IPMI) Card |
| Other features, if any | Support Memory Mirroring/Memory Sparring, Hardware Periodic Memory Scrubbing for Enhanced Memory throughput | Parameter Deleted |

1(a)(ii) Intel Based (Option – 2)

| Parameters | Original Specification | Revised Specification |
|-----------------------------------|---|--|
| Processor | 2 x Dual Core Intel Xeon DP CPU 3.6 GHz or higher with 2MB L2 or more cache. | 2 x Dual Core Intel Xeon CPU 3.0 GHz or higher with 4MB L2 or more cache. |
| PCI | Atleast 4 with two hot-plug 64-bit/100/133 Mhz PCI-X and two PCI Express x4/x8 slots. | Atleast 4 with two 64-bit/100/133 Mhz PCI-X and two PCI Express x4/x8 slots. |
| I/O Ports | At least 1 parallel, 1 serial and 4 Nos. USB 2.0(2 in front and 2 in rear), 3 RJ45 Port, 1 PS/2 Keyboard Port, 1 PS/2 Mouse Port. | At least 1 serial and 4 Nos. USB 2.0(2 in front and 2 in rear), 3 RJ45 Port, 1 PS/2 Keyboard Port, 1 PS/2 Mouse Port. |
| Floppy Drive | Internal 3.5" 1.44 MB floppy drive | 3.5" 1.44 MB floppy drive |
| Server Management Software | Web based monitoring for: - <ul style="list-style-type: none"> • Support Remote Access & Remote monitoring • Server trouble shooting • Health Indicator and Corrective Action including Auto Mated Power Cycling • OS Watch DOG Timer and Fault Resilient Booting. • Raid Array Diagnostic Tool with ability to view Disc status and array status with pre-failure warning capability. | (i) Web based monitoring for: - <ul style="list-style-type: none"> • Support Remote Access & Remote monitoring • Server trouble shooting • Health Indicator and Corrective Action including Auto Mated Power Cycling. • Raid Array Diagnostic Tool with ability to view Disc status and array status with pre-failure warning capability. (ii) Enhanced Intelligent Platform Management Interface (IPMI) Card |

1(c). Server - Single Processor based (All the options have to be quoted).

(i) AMD Based (Option –1)

| Parameter | Original Specification | Revised Specification |
|------------------------------------|---|---|
| Chipset | Either of the following :- <ul style="list-style-type: none"> • AMD Chipset 8111 & 8132 • Broadcom Serverworks HT-2100 Northbridge and HT1000 Southbridge Chipset | Either of the following :- <ul style="list-style-type: none"> • AMD Chipset 8111 & 8132 • Broadcom Serverworks HT-2100 Northbridge and HT1000 Southbridge Chipset • Nvidia MCP 55 Pro |
| Form Factor (new parameter) | | Rackmountable |
| Storage | 6 Nos. Hot Plug 146GB 3Gb/sec SAS Disks with 15000 RPM or higher in RAID-5. | 6 Nos. Hot Plug 146GB 3Gb/sec SAS Disks with 10000 RPM or higher in RAID-5. |
| Backup Device | Internal Digital Linear Tape (DLT) Drive 40/80 GB. | Internal/External Digital Linear Tape (DLT) Drive with 40/80 GB or higher. |
| Server Management Software | Web based monitoring for: - <ul style="list-style-type: none"> • Support Remote Access & Remote monitoring • Server trouble shooting • Health Indicator and Corrective Action including Auto Mated Power Cycling • OS Watch DOG Timer and Fault Resilient Booting • Raid Array Diagnostic Tool with ability to view Disc status and array status with pre-failure warning capability. | (i) Web based monitoring for: - <ul style="list-style-type: none"> • Support Remote Access & Remote monitoring • Server trouble shooting • Health Indicator and Corrective Action including Auto Mated Power Cycling. • Raid Array Diagnostic Tool with ability to view Disc status and array status with pre-failure warning capability. (ii) Enhanced Intelligent Platform Management Interface (IPMI) Card |
| Other features, if any | Support Memory Mirroring/Memory Sparring, Hardware Periodic Memory Scrubbing for Enhanced Memory throughput | Parameter Deleted |

(ii) Intel Based – (Option – 2)

| Parameter | Original Specification | Revised Specification |
|-----------------------------------|--|--|
| Processor | Single processor Dual Core Intel Xeon 2218 2.6 GHz or higher with 2MB or more L2 cache. | Single processor Dual Core Intel Xeon 2.66GHz or higher with 4 MB or more L2 cache. |
| FSB | 1066 MHz | 1333MHz |
| Chipset | Intel 3000 | Intel 5000V / 5000P |
| Server Management Software | Web based monitoring for: - <ul style="list-style-type: none"> • Support Remote Access & Remote monitoring • Server trouble shooting • Health Indicator and Corrective Action including Auto Mated Power Cycling • OS Watch DOG Timer and Fault Resilient Booting • Raid Array Diagnostic Tool with ability to view Disc status and array status with pre-failure warning capability. | (i) Web based monitoring for: - <ul style="list-style-type: none"> • Support Remote Access & Remote monitoring • Server trouble shooting • Health Indicator and Corrective Action including Auto Mated Power Cycling. • Raid Array Diagnostic Tool with ability to view Disc status and array status with pre-failure warning capability. (ii) Enhanced Intelligent Platform Management Interface (IPMI) Card |

Schedule II : Desktop Computers.

| Parameter | Original Specification | Revised Specification |
|----------------------|------------------------|-----------------------|
| Certification | New Parameter | Red Hat Certified |

Schedule III : Laptops

| Parameters | Specification | Revised Specification |
|----------------------|--|---|
| Memory | <ul style="list-style-type: none"> • DDR2 512MB 667-MHz • Two SODIMM slots supporting dual channel memory supporting 512MB/1GB/2GB modules • Upgradeable to 4GB or more. | <ul style="list-style-type: none"> • DDR2 512MB 400-MHz or higher • Two SODIMM slots supporting dual channel memory supporting 512MB/1GB/2GB modules • Upgradeable to 4GB or more. |
| Communication | <ul style="list-style-type: none"> • Integrated 10/100 ethernet. • Integrated 56K v.92 Modem • Integrated Infrared port compatible with IrDA Standards 1.1 (Fast IR) and 1.0 (Slow IR). | <ul style="list-style-type: none"> • Integrated 10/100 ethernet. • Integrated 56K v.92 Modem |
| Certification | New Parameter | Red Hat/SUSE Certified. |

Schedule IV: Thin Clients.

| Parameter | Original Specification | Revised Specification |
|---------------------------|---|--|
| Processor | AMD Geode NX 1 GHz or above Fan Less Embedded Processor | Either of these - <ul style="list-style-type: none"> • AMD Geode NX 1 GHz or above Fan Less Embedded Processor • VIA C7 1 GHz or above Fan Less Embedded Processor • VIA Eden 1 GHz or above Fan Less Embedded Processor |
| Operating System | <ul style="list-style-type: none"> • Embedded Red Hat Enterprise Linux 4 and above. • Compressed read-only file system. • NFS and Samba file system support. • CUPS/LPR/LPD and Samba print support for Deskjet, Laserjet and Dot Matrix printers. • X11R6 local Windows manager. • Password protected setup. | <ul style="list-style-type: none"> • Embedded Red Hat Enterprise Linux 4 or any other Linux Operating System with kernel 2.6.18 and above. • Compressed read-only file system. • NFS and Samba file system support. • CUPS/LPR/LPD and Samba print support for Deskjet, Laserjet and Dot Matrix printers. • X11R6 local Windows manager. • Password protected setup. |
| Local Applications | Local Red Hat Enterprise Linux 4 with <ul style="list-style-type: none"> • Open Office 2.0.4 or latest • Firefox 1.5.x with Sun JVM 1.5 upwards support • Adobe Acrobat Reader (Latest version) • Flash Player • Local Mail Client Support. | Local Linux OS with <ul style="list-style-type: none"> • Open Office 2.1 or latest • Firefox 1.5.x or latest with Sun JVM 1.5 upwards support • Adobe Acrobat Reader 7.0 or latest. • Flash Player • Local Mail Client Support. • Support for Devanagari script with Unicode font and available in Remington/ Phonetic/ Transliteration/ Inscript keyboard layouts. |
| Memory | 512 MB SODIMM DDR Memory upgradeable to 1GB or more. | 512 MB DDR/DDR2 Memory upgradeable to 1GB or more. |
| Audio | 1/8-inch mini microphone, Internal Stereo amplified speaker, 1/8-inch mini full 16-bit stereo | 1/8-inch mini microphone, External Stereo amplified speaker, 1/8-inch mini full 16-bit stereo |
| Networking | <ul style="list-style-type: none"> • Integrated 10/100 Mbps auto sensing Ethernet with RJ-45 connector. • TCP/IP with DNS and DHCP. • Wake on LAN • DHCP support for automatic upgrades and unit configuration. • PPP | <ul style="list-style-type: none"> • Integrated 10/100 Mbps auto sensing Ethernet with RJ-45 connector. • Wireless LAN 802.11 • TCP/IP with DNS and DHCP. • Wake on LAN • DHCP support for automatic upgrades and unit configuration. • PPP |

| | | |
|--|--|---|
| Security | <ul style="list-style-type: none"> • Password Protection setup. • Kensington Lock Support | <ul style="list-style-type: none"> • Password Protection setup. |
| Power Supply | <ul style="list-style-type: none"> • 50 Watts or less power supply. • No moving parts in the Thin Client. | <ul style="list-style-type: none"> • 65 Watts or less power supply. • No moving parts in the Thin Client. |
| Mounting of Thin Clients | Desktop/Vertical VESA Mounting with kit. | Desktop/Vertical VESA Mounting with kit.. The Thin Client can be mounted on the TFT with substantial stability. |
| Regulatory Standards | Regulatory standards FCC, UL and RoHS compliant. | Parameter Deleted |
| Management Tool (to be supplied as part of Thin Client Management Software) | <p>Thin Client Management software tool complaint with HTTP/HTTPS/SNMP with following features: -</p> <ul style="list-style-type: none"> • Single Deployment; • Secure Management; • Remote management, configuration and upgrades through management software; • Complete image upgrade; • Send messages; • Easy migration; • Wake Client Remotely (Wake on LAN) • Remote Screen Shadowing of entire desktop (via VNC viewer); • PXE BIOS for image network boot. | <p>Thin Client Management software tool complaint with HTTP/HTTPS/SNMP with following features: -</p> <ul style="list-style-type: none"> • Single Deployment; • Secure Management; • Remote management, configuration and upgrades through management software; • Complete image upgrade; • Send messages; • Easy migration; • Wake Client Remotely (Wake on LAN) • Remote Screen Shadowing of entire desktop (via VNC viewer); • PXE BIOS for image network boot. • Software should be Linux based. |

Schedule V : Laser Printers.

5(b). Laser Printers

| Parameter | Original Specification | Revised Specification |
|--------------------|---|--|
| Print Speed | 20 ppm | 22 ppm |
| Warranty | Three Years Comprehensive on-site warranty. | Three Years Comprehensive on-site warranty from OEM. |

Schedule VI : Line Matrix Printers

| Parameter | Original Specification | | Revised Specification | |
|--------------------------------|--|---|--|---|
| Print Speed | Print Speed (LPM, upper case characters, lower case characters) :- High Speed – 1200/1028 Graphics Speed :- 60 x 72 dpi – 100 inches per minute | | Print Speed (LPM, upper case characters, lower case characters) :- High Speed/Draft – 1200/1028 Graphics Speed :- 60 x 72 dpi – 100 inches per minute | |
| Typefaces | High Speed, Data Processing, Near Letter Quality | | High Speed/Draft, Data Processing, Near Letter Quality | |
| Character Pitch | 10,12,13.3,15,17.1,20 | | 10,12,13.3 or 13.33,15,17.1 or 17.14,20 | |
| Line Spacing | 6,8,10.3,n/72,n/216 | | 6,8,10 or 10.3,n/72,n/216 | |
| Printable Width | 2.5” to 18.9” | | 2.5” to 13.6” or better | |
| Emulations | Serial matrix printer, Epson FX 1800, IBM ProPrinter III XL, Printronix P Series, Printronix P Series XQ, DEC LG, ANSI 3.64 | | Epson FX 1800 or Epson FX 1180, IBM ProPrinter III XL, Printronix P Series, DEC LG, ANSI 3.64 or Tally ANSI or Genicom ANSI | |
| Resident Character Sets | Unicode UTF-8, IBM World Trade, ECMA Latin-1, DEC Multinational, IBM Code Page 437 and 850, OCR A, OCR B | | Unicode UTF-8 or Dev Unicode, ECMA Latin-1 or Latin1 8859-1, DEC Multinational, IBM Code Page 437 and 850 or Code Page 437 and 850 | |
| Fonts | High Speed, Data Processing, Serif, Sans Serif, OCR-A, OCR-B | | High Speed or Draft, Data Processing, OCR-A, OCR-B | |
| Bar Codes | Code 39, Code 128, interleaved 2/5, UPC-A,UPC-E, EAN 8, EAN 13, EAN 128, Codabar, Identicon 2 to 5, MSI, POSTNET, Royal Mail, PDF 417 | | Code 39, Code 128, interleaved 2/5, UPC-A,UPC-E, EAN 8, EAN 13, EAN 128, Codabar, Identicon 2 to 5, MSI, POSTNET, PDF 417 | |
| Paper Handling | Type | Fan folded, Continuous, Edge-perforation | Type | Fan folded, Continuous, Edge-perforation |
| | Width | 3” to 17” | Width | 3” to 17” |
| | Copies | Upto 6 parts | Copies | Upto 6 parts |
| | Thickness | 0.025” | Thickness | 0.025” |
| | Paper Path | Straight through paper path with easy-load dual adjustable tractors | Paper Path | Straight through paper path with easy-load dual adjustable tractors |
| | Feed | Bottom feed | Feed | Bottom feed |
| | Forms Control | 14 and 12 channel electronic vertical format unit, paper-out detector and alarm, paper motion detector and alarm. | Forms Control | 14 and 12 channel electronic vertical format unit or VFU and VT Channel, paper-out detector and alarm, paper motion detector and alarm. |
| Interface | IEEE-1284 Parallel Port, RS-232, Ethernet 10/100 and Wireless 802.11b/g. | | IEEE-1284 Parallel Port, RS-232, Ethernet 10/100 | |