Corrigendum in Tender No. HWT181017473

Revised Technical Specifications

Sr. No.		Item	Matched/ Not Matched	Remarks (If any)
Item No. 1: Mid Range Server				
1	Chassis	Pedestal (Tower)		
	CPU	Quad Core Intel® Xeon Processor E5-2623 v4 (10M Cache, 2.60 GHz, 8 GT/s QPI) or higher		
	Motherboard	Intel® C610 Series Chipset or better on Intel or equivalent OEM motherboard		
	Slots	Total four PCI slots offering option of PCI-X / PCI-e combination or PCI-e with x4, x8 and x16 PCI configurations		
	Memory	16 GB DDR3 -1066 MHz Registered (RDIMM) memory upgradeable up to 64 GB or more		
	Monitor	19" or higher wide screen LED Backlit based TFTs, Contrast Ratio – 1000:1 or better, Resolution – 1360 X 768 or better, TCO Displays 6.0 certified or better; ~~Monitor should be of same make of offered Server Brand~~		
	Bays	8 Hot Plug SAS hard disk bays + Optical Drive bay		
	HDD	2*300GB 10K rpm hot plug SAS drives		
	RAID Support	Hardware RAID 0,1 (Embedded / Slot Based)		
	Networking Features	Embedded dual port Gigabit Ethernet Controller		
	Ports	1 Front and 2 Rear USB 2.0 ports, 2 RJ-45 port,		
		1 Remote Management Port (TCP\IP based): (it is used for GUI interface to monitor & manage the server performance remotely.)		
	Keyboard	104 keys Keyboard		
	Mouse	2 Keys Optical scroll mouse		
	Management hardware	Integrated System Management Processor or Integrated BMC Controller		
	System Management Software	Pre-failure alerts for processor, memory and hard disks, Unattended and selectable remote boot and remote diagnostics, ECC with error reporting (Please Specify name of the System Management Software and upload the supporting document)		
	Optical Drive	Internal DVD Writer		
	Power Supply	Redundant power supply		
	OS	Windows Server 2016 with media and license. Installation and configuration support for 5 years		
	Certifications	RoHS, UL, CE/FCC or equivalent third party certification from reputed Agency, Windows Logo Certification		
	Warranty	Five years on site comprehensive warranty		

Sr. No.		Item	Matched/ Not Matched	Remarks (If any)
Item No. 2: Desktop with Monitor				
2	Form Factor & System chassis	Micro ATX/ SFF System chassis with suitable power supply to sustain full load including possible future up gradations. Complete system should be energy star 6.0 compliant / BEE Star certified		
	CPU	Quad Core 6th Generation Intel® Core™ i5 (6M Cache, 3.00 GHz) or higher		
	Motherboard & Chipset	Suitable chipset for above mentioned processor based motherboard with minimum two free PCI/PCI-x slots.		
	Bus Architecture	Integrated onboard graphics contlloler, minimum 2 no.s of PCI/PCIe slots, Integrated Audio		
	Memory	Min. 8 GBDDR4 @ 1866 MHz or higher RAM expandable up to 16GB with 1 DIMM slot free.		
	Hard disk	1 TB or higher SATA hard disk with 7200 rpm		
	Keyboard	USB or Ps/2 104 Keys keyboard		
	Mouse	USB Two button scroll optical mouse with pad		
	Ports	Total 6 USB ports with at least 2 USB 3.0 ports (min. 2 at front), VGA/HDMI, Microphone, Headphone		
	Networking features	Network Integrated Gigabit Ethernet controller		
	O.S.	Pre-loaded licensed Microsoft Windows 10 Professional Operating System with Latest service pack. Restore/ Recovery CD/ Self Mechanism		
	Data Recovery Software	Pre loaded software tool that has provision for scheduled backup for restoring OS & data. Should have capability to take backup to external media. (Please specify name of Data Recovery Software)		
	Optical Drive	8x or better Internal DVD Writer		
	Monitor	19" or higher wide screen LED Backlit based TFTs, Contrast Ratio – 1000:1 or better, Resolution – 1360 X 768 or better, TCO Displays 6.0 certified or better; Monitor should be of same make of offered PC Brand		
	Certifications	RoHS, UL/CE/FCC or equivalent third party certification from reputed Agency, Windows 10 Certification, Energy Star		
	Dust Cover	Dust Cover for CPU, Monitor		
	Optical Drive	8x or better Internal DVD Writer		
	Power Management & DMI	System with Power management features & Desktop Management Interface implementation		
	Accessories	System user manual and all other necessary accessories		
Note:				

Note:

1. **Bidders are required to submit all certifications of Server / Desktop as mentioned above at the time of submission of the bid only. If any certification will be found under process then those bidders will not be entertained**

2.	Successful bidder has to supply the HDD in the desktop with at least 3 numbers of partition in factory / Customer Site.		
3.	Successful bidder & its supplier have to submit the full list of serial numbers for the monitors supplied along with TCO Displays 6.0 or better certified certification from the OEM for monitors bearing these serial numbers.		

Sr. No.	Item	Matched/ Not Matched	Remarks (If any)
Item No. 3: Multifunctional Laser Printer (Print, Scan, Copy)			
3.1	Print –25 ppm or higher for A4/letter/legal size, 600*600 dpi Print, copy, scan resolution; Min. 128 MB RAM; Minimum 500 MHZ Printer Processor or higher or System Processor Utilization; Automatic Duplex Printing; Flatbed & ADF Scan and color scanning should be possible, minimum 10 ppm, High Speed USB 2.0 Network connectivity: 10/100 Base Automatic document feeder (ADF) capacity, ADF Capacity: 20 Sheets OS Compatibility: Windows & Linux (Note: Quoted printer must be supplied along with factory fitted cartridge) Warranty : Five years on site comprehensive warranty		
3.2	Commercial Cartridge for printing total 62,70,000 pages for above Multifunction Laser Printer-1 (please submit Model / Part no. of quoted Commercial Cartridge on OEM letterhead)		

Sr. No.	Item	Matched/ Not Matched	Remarks (If any)
Item No. 4: A4 Size Color Inkjet Printer			
4.1	Print Resolution (in dpi): 4800X1200, Paper size: A4, Print Speed in PPM (A4 size): 28 BW and 24 Color, Port: 1 USB, Duplexing: YES OS Compatibility: Windows & Linux, (Note: Quoted printer must be supplied along with factory fitted cartridge) Warranty : Five years on site comprehensive warranty		
4.2	Commercial Cartridge for printing total 2,85,000 pages for above A4 Size Color Inkjet Printer (Please submit Model / Part no. of quoted Commercial Cartridge on OEM letterhead)		
Note			

Note
1. For printer, please upload the OEM undertaking for the clarity on what parts will be covered under the warranty and what parts are excluded.
2. Please upload the OEM under taking letter which clarify that cartridges to be supplied with the printers is starter or full with no. of Pages can print.
3. For printer OEM letter is required with Sr. Nos. of Goods/Items supplied certifying back to back warranty as per the tender terms & conditions.

Sr. No.	Item	Matched/ Not Matched	Remarks (If any)
	Item No. 5: Layer 3 Switch		
5	**General:**		
	Make and Model Number with necessary brochures must be given		
	Chassis based switch		
	Inbuilt Redundant load sharing AC power supply		
	Redundant switching fabric		
	Switching backplane capacity of 60 GBPS or more		
	Forwarding rate 274 million pps ….**Deleted**		
	Forwarding mode Store and Forward		
	Number of Ports and Interface/Standard		
	Switch should be chassis based architecture		
	Switch shall be loaded with 24 # 10/100/1000 Base T Ports and 24 # MiniGBIC SFP ports		
	shall be loaded with min 2 # 10G ports		
	Compliant to IEEE 802.3ae compliance		
	IEEE 802.3 compliance		
	IEEE 802.3u compliance		
	Support full duplex operations LAN		
	IEEE 802.3x Flow Control support for Full-Duplex mode		
	Support Full-Duplex Operation only		
	Supports Wire speed Layer 3 switching		
	SFP Transceivers Supported:		
	1000SX/ LX/ LHX/ ZX / 100FX		
	MAC Addresses		
	Min 32K MAC address		
	Manageability:		
	SNMP v1, v2, v3, RMON (4 Groups), SIM Technology (Single IP Management) with IP clustering / Stacking support		
	Command Line, Web based Management, Port Mirroring and Syslog		
	TFTP based Firmware upgrade		
	DHCP server, Relay, Client.		
	Features		
	Layer 3 Switching and Routing		
	Spanning Tree Protocol (IEEE 802.1D, 802.1W and 802.1S)		
	VLAN Support (IEEE 802.1q support up to 4000 VLAN and 255 VLAN groups (Port Based/802.1p/GVRP/GARP)		

		Matched/ Not Matched	Remarks (If any)
	QinQ		
	Broadcast / Multicast / Unicast Storm Control		
	Port/ MAC/ IP segment/ Protocol/ Private/ Vlan support		
	IGMP v1/v2/v3 and IGMP Snooping v1/v2/v3		
	Link aggregation as per IEEE 802.3ad with max 128 group trunk with max 8 ports for each trunk		
	Both static and dynamic link aggregation with load balancing		
	802.1p Priority (8 Queues), DiffServ QoS, Strict priority, WRR, SWRR or equivalent		
	Hybrid queuing of Strict priority + WRR.		
	IEEE 802.1x, SSH, TACACS (+), RADIUS support, prevention for DOS attacks, ARP Inspection		
	Standard and Extended Access control, ~~Time based ACL~~		
	RIP1/2, OSPF, BGP4, RIPng, OSPFv3, BGP4+ for IPv6		
	PIM-DM, PIM-SM, PIM-SSM, PIM-SM/DM for IPv6		
	MLDv1/v2, MLD snooping V1/v2		
	VRRP, VRRP v3		
	IPv6 ready from Day 1		
	IPv6 Host / Management and IPv6 complete Routing from Day 1		
	Telnet Support for Management		
	Switch should contain following items:		
	Power cable		
	Null modem cable or equivalent console port to login to device for initialization		
	Rack-mount kit		
	Installation guide		
	Resource CD-ROM with User Manual		

Sr. No.	Item	Matched/ Not Matched	Remarks (If any)
Item No. 6: 24 Port Manageable Network Switch			
6	The Switch should be 19" Rack mountable		
	24 Port Layer 2 Switch (Gigabit Switch) with 01 mini GBIC 1000LX tranciever port/module		
	Number of ports: 24-10/100/1000 Gigabit eathernet ports, 4 shared SFP slots for 1000LH/LX/100FX fiber tranceivers: IEEE 802.3 10BASE-T/802.3u 100BASE-TX/100FX, IEEE 802.3ab 1000BASE-T/802.3z 1000BASE-SX/LX		
	01 mini GBIC 1000LX tranciever port/module		
	Stackable in nature with IP clustring		
	Static IP routing		

	SFP supports: IEEE 802.3z 1000BASE-LX, IEEE 802.3z 1000BASE-SX, IEEE 802.3z 1000BASE-LH		
	VLAN: IEEE 802.1q taged port based VLAN,		
	Maximum Number of VLAN per device: maximum 255 static and 4k VLAN ID		
	Private VLAN or equivalent		
	Priority Queues: standard IEEE 802.1p, mimimum 4 queues, SP, WRR queuing		
	Access control and security:		
	802.1x based port control, MAC based port security through ACL, Standard and extended ACL		
	Spanning tree Protocol: 802.1d spanning tree, 802.1w rapid spanning tree, 802.1s multiple spanning tree		
	Port trunk: 802.3ad compatible link aggregation (LACP)		
	Ports per trunk: maximum 8		
	Trunks per device: maximum 32		
	Operation mode: load sharing		
	Multitasking: IGMP v1/v2/v3 snooping, Multicast VLAN registration.		
	Performance: switch fabric speed: minimum 20 GBPS or more, packet forwarding rate :minimum 38.6Mbps		
	Transmission method: store and forward type,		
	MAC address table: minimum 8000		
	IPv6 ready from day 1		
	IPv6 ping /tarcert, telnet, DNS resolver, RADIUS , TACACS+, syslog, SNTP, NTP, FTP/TFTP sflow or equivalent, IPv4/IPV6 dual protocol stack, IPv6 unicast and multicast address types, IPv6 VLAN registration, ICMPv6 redirect, SNMP over IPv6, HTTP over IPv6, SSH over IPv6, DNS over IPv6, DHCPv6 server		
	Management support: trace route command, single IP management V1, DHCP server/client , DHCP snooping, DHCP option 82,SNMP v.1,v2c,v.3, RMON monitoring, web based management, telnet server, CLI, should support EPRS or equivalent ring protocol,		
	Switch should contain following items: power cable, null modem cable or equivalent console port to login to device for initialization, rack mount kit, installation guide, resource CD ROM with user manual.		
	Warranty : five years on site comprehensive warranty with installation and configuration support with existing CWAN		

Sr. No.	Item	Matched/ Not Matched	Remarks (If any)
Item No. 7: 48 port Fast Ethernet L2 managed switch			
7	The Switch should be 19" Rack mountable		
	48 Port Layer 2 Switch (Gigabit Switch) with 01 mini GBIC 1000LX tranciever port/module		

Number of ports: 48-10/100/1000 Gigabit eathernet ports, 4 shared SFP slots for 1000LH/LX/100FX fiber tranceivers: IEEE 802.3 10BASE-T/802.3u 100BASE-TX/100FX, IEEE 802.3ab 1000BASE-T/802.3z 1000BASE-SX/LX		
01 mini GBIC 1000LX tranciever port/module		
Stackable in nature with IP clustring		
Static IP routing		
SFP supports: IEEE 802.3z 1000BASE-LX, IEEE 802.3z 1000BASE-SX, IEEE 802.3z 1000BASE-LH		
VLAN: IEEE 802.1q taged port based VLAN,		
Maximum Number of VLAN per device : maximum 255 static and 4k VLAN ID		
Private VLAN or equivalent		
Priority Queues: standard IEEE 802.1p, mimimum 4 queues, SP, WRR queuing		
Access control and security: 802.1x based port control, MAC based port security through ACL, Standard and extended ACL		
Spanning tree Protocol: 802.1d spanning tree, 802.1w rapid spanning tree, 802.1s multiple spanning tree		
Port trunk: 802.3ad compatible link aggregation (LACP)		
Ports per trunk: maximum 8		
Trunks per device : maximum 32		
Operation mode : load sharing		
Multitasking: IGMP v1/v2/v3 snooping, Multicast VLAN registration.		
Performance: switch fabric speed: minimum 20 GBPS or more, packet forwarding rate :minimum 38.6Mbps		
Transmission method : store and forward type, MAC address table : minimum 8000,		
IPv6 ready from day 1, IPv6 ping /tarcert, telnet, DNS resolver, RADIUS, TACACS+, syslog, SNTP, NTP, FTP/TFTP sflow or equivalent, IPv4/IPV6 dual protocol stack, IPv6 unicast and multicast address types, IPv6 VLAN registration, ICMPv6 redirect, SNMP over IPv6, HTTP over IPv6, SSH over IPv6, DNS over IPv6, DHCPv6 server		
Management support: trace route command, single IP management V1, DHCP server/client , DHCP snooping, DHCP option 82,SNMP v.1,v2c,v.3, RMON monitoring, web based management, telnet server, CLI, should support EPRS or equivalent ring protocol,		
Switch should contain following items: power cable, null modem cable or equivalent console port to login to device for initialization, rack mount kit, installation guide, resource CD ROM with user manual.		
Warranty : five years on site comprehensive warranty with installation and configuration support with existing CWAN		

SECTION 4 – Financial Bid Format

Sr. No	Item	Qty	Unit Price with 5 Year Warranty (In Rs. Without tax)	Total Price with 5 Year Warranty (In Rs. Without tax)	Rate of GST (%)
1	Mid Range Server	5			
2	Desktop with Monitor	1782			
3	Multifunction Laser Printer (Print, Scan, Copy)	418			
3.1	Commercial Cartridges for quoted Multifunction Laser Printer, which can print total 62,70,000 pages	1			
3.2	Imaging drums for quoted Multifunction Laser Printer, which can print total 62,70,000 pages	1			
4	A4 Color Inkjet Printer	19			
4.1	Commercial Cartridges / Ink Tank for quoted Color Inkjet Printer, which can print total 2,85,000 pages	1			
5	Layer 3 Switch	6			
6	Manageable Network Switch-24 port	43			
7	48 port Fast Ethernet L2 managed switch	2			
8	UPS (10 KVA)	3			

Note:

➢ **L1 will be the lowest sum total of rates of all line items without tax with 5 years warranty.**

➢ **The Bidder shall explicitly mention the applicable rate of GST.**

➢ **Rate to be filled should be inclusive of Packing/ Forwarding, Insurance, FOR destination and with applicable warranty.**

➢ **Successful Vendor will have to supply/provide goods with an Invoice from a place located within State of Gujarat.**

➢ **All the above items should comply with the technical and functional requirement of the Bid.**

➢ **Above items are inclusive of cable & accessories required, if any.**

➢ **Supply & installation of the above mentioned materials should be carried out by the successful bidder at various institutes across the Gujarat.**

➢ **For all above mentioned printers, in unit rates, bidder has to quote total rates of total numbers of Cartridges / Ink Tank which can print total 62,70,000 (15,000 * 418) pages in case of Multifunction Laser Printer & 2,85,000 (15,000 * 19) in case of A4 Color Inkjet Printer. Bidder will have to upload undertaking letter for no. of cartridges / ink tanks quoted to print total required pages. Bidder will also have to mention the yield of the quoted cartridge / ink tank.**

➢ **Unit price of the Cartridge for Multifunction Laser Printer will be derived as below:**

   = Amount of cartridges required to print total number of pages as mentioned above / no. of cartridges quoted to print total number of pages as mentioned above.

➢ **Unit price of the Ink Tank for Inkjet Printer will be derived as below:**

   = Amount of Ink Tanks required to print total number of pages as mentioned above / no. of Ink Tank quoted to print total number of pages as mentioned above.

   Purchasing department may procure the additional cartridge / ink tank at the unit rates calculated above as per their requirements during the contract period of 5 years.

➢ In case, OEM choose to quote Multifunction Laser Printer, which is having Imaging drum separately & cartridge, then both are required to be change after certain prints. In that case, for above mentioned printers, in unit rates of imaging drums, bidder has to quote total rates of total no. of imaging drums which can print total total 62,70,000 (15,000 * 418) pages in case of Multifunction Laser Printer. Bidder will have to upload undertaking letter for no. of imaging drums quoted to print total required pages. Unit price of the imaging drums will be derived as below:

= Amount of imaging drum required to print total number of pages as mentioned above / no. of imaging drum quoted to print total number of pages as mentioned above.

➢ Purchasing department may procure the additional imaging drum at the unit rates calculated above as per their requirements during the contract period of 5 years.

➢ Above mentioned requirements of Commercial Cartridges & Imaging Drum are indicative and for evaluation purpose only. However, at the time of issue of work, the actual quantity will be considered based on the requirements.

➢ GIL does not give guarantee for order quantity. During the contract period, purchasing department / office may place the purchase order for their requirements of Commercial Cartridges & Imaging Drum to successful bidder as per their requirements.

All other bid terms & conditions and technical specifications remain unchanged.