



Approved rate of BSEDC Rate Contract tender no. 3033/14 dated 26/05/2014

BSEDC Ltd. (BELTRON) has approved Rate Contract on 27-Feb-2015 with leading IT hardware brands for the purpose of supply of quality IT hardware. BSEDC Ltd charges 7% as service charge against each supply. Orders are accepted against 100% advance including service charge in the form of DD/Core-Banking Cheque in the name of *Bihar State Electronics Development Corporation Limited* payable at *Patna*.

Following is the list of selected models along with specifications and rates of Computers, Laptop, Servers, and other peripheral devices are as under:

Acer India Pvt. Ltd				
DESKTOP COMPUTER SYSTEM AND LAPTOP				
Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	Approved Rate
1	COMPUTERi301 (Desktop PC)	Acer Veriton M200 H61 or Higher	Intel Core i3-3220, 3.3 GHz, 3 MB Cache or higher, RAM 4 GB 1333 MHz upgradable upto 8 GB., 500 GB 7200 rpm SATA or higher with Minimum 2 SATA connectors on Motherboard. 50.8 cm (20 inches) Wide LED 16:9 (1600x900) or better Digital Colour Monitor- Energy Star compliant. 3 USB Ports, 1 Mic., 1 headphone inside, 1 RJ-45, 1 Display Port/ HDMI/VGA port Bluetooth 3.0, IEEE 802.11 b/g/n DVD ROM Drive. 1.3 Megapixel HD webcam Windows 8 Professionalpreloaded OS McAfee Antivirus	47677
2	COMPUTERi302 (Desktop PC)	Veriton M200 H61 or Higher	Intel Core i3-3220, 3.3 GHz, 3 MB Cache or higher, RAM 4 GB 1333 MHz upgradable upto 16 GB., 500 GB 7200 rpm or higher 47 cm (18.5 inch)or larger TFT/LED Digital Colour Monitor TCO-05 certified. "6 USB Ports (with at least 2 in front), 1 Serial audio ports for microphone and headphone in front." DVD ROM Drive. Windows 8 Professionalpreloaded OS McAfee Antivirus	40405
3	COMPUTERi701 (Desktop PC)	Veriton M200 Q77 or Higher	Intel Core i7-3770, 3.4 GHz, 8 MB Cache or better. 4 GB 1333 MHz DDR3 RAM with 32 GB Expandability. hard drive should be 500 GB, 7200 RPM, SATA 6.0 Gb/s 47 cm (18.5 inch) larger LED/ TFT Digital Colour Monitor TCO- 05 certified. 6 USB Ports, 1 Mic., 1 headphone inside, 1 RJ-45, 1 Display Port/ HDMI/VGA port DVD ROM Drive. Windows 8 Professionalpreloaded OS McAfee Antivirus	55961



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4	COMPUTERAMD01	Veriton M200 A55 or Higher	AMD A6 5400, 3.4 GHz Processor with Cache 4 GB 1066 MHz DDR3 RAM with 16 GB Expandability. 500 GB 7200 rpm or higher, SATA 6.0 Gb/s 47 cm (18.5 inch) or larger TFT/LED Digital Colour Monitor 6 USB Ports including 2 USB 3.0 Ports (with at least 2 in front), audio ports for microphone and headphone in front. DVD ROM Drive. Windows 8 Professional preloaded OS McAfee Antivirus	38358	
5	COMPUTERAMD02	Veriton M200 A55 or Higher	AMD A8 5500, 3.2 GHz 4 Core, 4 MB Total cache or better. 4 GB 1333MHz DDR3 RAM with 16 GB Expandability. 500 GB 7200 rpm or higher, SATA 6.0 Gb/s 47 cm (18.5 inch) or larger LED/ TFT Digital Colour monitor, TCO-05 certified. 6 USB Ports including 2 USB 3.0 Ports (with at least 2 in front), audio ports for microphone and headphone in front. DVD ROM Drive. Windows 8 Professional preloaded OS McAfee Antivirus 4 PCI (PCI/ PCI Express)	36248	
6	COMPUTERAMD03	Veriton M200 A55 or Higher	AMD A10 5700, 3.4 GHz, 4 MB Cache, 4 Cores or higher. 4 GB 1333MHz DDR3 RAM with 16 GB Expandability. 500 GB 7200 rpm or higher, SATA 6.0 Gb/s 47 cm (18.5 inch) or larger LED/ TFT Digital Colour monitor, TCO-05 certified. 6 USB Ports including 2 USB 3.0 Ports (with at least 2 in front), audio ports for microphone and headphone in front. DVD ROM Drive. Windows 8 Professional preloaded OS McAfee Antivirus 4 PCI (PCI/ PCI Express)	44142	
7	COMPACK01	Desktop PC	Veriton M200 H61 or Higher	SPECIFICATION AS PER Item Code:- COMPUTERi301	64267
		Printer	Ricoh SP 3510 DN	Laser Jet 18 ppm, Upto 1200 X 1200 dpi, Paper Size-A4, A5, Legal, Executive, Compatible With USB 2.0 Port	
		UPS	AVIOR 600	600 VA line interactive, 20 min backup	
8	COMPACK04	Desktop	Veriton M200 H61 or Higher	SPECIFICATION AS PER Item Code:- COMPUTERi301	50827
		UPS	AVIOR 600	600 VA LINE INTERACTIVE, 20 MIN BACKUP	
9	LAPTOPi301	Acer TM P243	Mobile Intel Core i-3, 3110M, 2.4 GHz with 3 MB Smart Cache or better, IVY Bridge Configuration. 4 GB 1333 MHz DDR3 RAM or higher expandable up to 8 GB 500 GB 5400 rpm (min.) SATA 14"(35.56 cm) or above TFT active Matrix Wide Screen Display. Integrated wireless 802.11 b/g/n Integrated Blue tooth. Integrated DVD Writer, 3 USB, 10/100/1000 Ethernet card, RGB or video or VGA / HDMI/ Mini DP, Microphone In, Headphone In & other standard features. Windows 8 Professional preloaded OS, McAfee Antivirus	42776	



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10	LAPTOPi501	TM P246	Mobile Intel Core i5, 3320 M, 2.6 GHZ with 3 MB L3 cache or better IVY Bridge Configuration. 4GB 1333 MHz DDR3 RAM or higher expandable up to 8 GB. 500 GB 5400 rpm (min.) SATA 14"(35.56 cm) or above TFT active Matrix Wide Screen Display. 3 USB, 10/100/1000 Ethernet card, RGB or S-Video or VGA/HDMI (Inbuilt or Adaptor), 3in one card reader, Microphone In, Headphone In & other standard features. Integrated DVD Writer 3 USB, 10/100/1000 Ethernet card, RGB or video or VGA / HDMI/ Mini DP, Microphone In, Headphone In & other standard features. Windows 8 Professionalpreloaded OS McAfee Antivirus	50400
11	LAPTOPi701	TM P246	Mobile Intel Core i-7, 3520M/3612QM, 2.9 GHz/2.1 GHz with 4 MB/6 MB Cache or higher, IVY Bridge Configuration. 4 GB 1333 MHz DDR3 RAM or higher expandable up to 8 GB. 500 GB 5400 rpm (min.) 14"(35.56 cm) or above TFT active Matrix Wide Screen Display. 1366x768 WXGA or higher resolution Intel HD Graphics. Integrated wireless 802.11 b/g/n Integrated Blue tooth. Integrated DVD Writer 3 USB,10/100/1000 Gigabit Ethernet card, VGA/HDMI/ Microphone, stereo head phone and other standard features. or video or VGA / HDMI/ Mini DP, Microphone In, Headphone In & other standard features. Windows 8 Professionalpreloaded OS McAfee Antivirus	60900

IN LIEU OF ITEMS SUPPLIED BY OEM

Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	Approved Rate
1.	ILOI01	Acer OEM	8x or better DVD ROM	530
2.	ILOI02	Acer OEM	Standard English Keyboard	1050
3.	ILOI03	Acer OEM	Standard Keyboard and Mouse	3150
4.	ILOI04	Acer OEM	47 cm (18.5 inch) TFT TCO – 05 certified	4200
5.	ILOI05	Acer OEM	47 cm (18.5 inch) TFT/ LED monitor TCO – 05 certified	530
6.	ILOI06	Acer OEM	500 GB HDD	2100

ADDITIONAL ITEMS

Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	Approved Rate
1.	COMPADDON01	Acer OEM	Standard English Keyboard	525
2.	COMPADDON02	Acer OEM	Bilingual Keyboard in English and Devnagri	1260
3.	COMPADDON03	Acer OEM	Optical Mouse	525
4.	COMPADDON04	Acer OEM	Graphic Accelerator Card PCI Express 512 MB Direct X-10 compatible	3150



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5.	COMPADDON05	Acer OEM	Head Sets with MIC	525
6.	COMPADDON06	Acer OEM	Web Camera ,Glass Lens with MIN. 1.3 Mega Pixels	525
7.	COMPADDON07	Acer OEM	Web Camera (3 MP)	525
8.	COMPADDON08	Acer OEM	3.5 inch Ext. HDD, 1 TB with USB 2.0 Interface	4200
9.	COMPADDON09	Acer OEM	Set of 2 External speakers of 5 RMS	1050
10.	COMPADDON10	Acer OEM	2.5 in. Portable HDD, 500 GB with USB 2.0 Interface & backup software	5250
11.	COMPADDON11	Acer OEM	47cm(18.5inch) TFT/LED Digital colour Monitor TCO-05 Certified	6825
12.	COMPADDON12	Acer OEM	2GB DDR3 RAM 1333 MHz	1575
13.	COMPADDON13	Acer OEM	4GB DDR3 RAM 1333 MHz	3150
14.	COMPADDON14	Acer OEM	8GB DDR3 RAM 1333 MHz	6300
15.	COMPADDON15	Acer OEM	8 GB Pen Drive	525
16.	COMPADDON16	Acer OEM	16 GB Pen Drive	1050
17.	COMPADDON17	Acer OEM	32 GB Pen Drive	1590

SERVER AND STORAGE

Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	Approved Rate
1	RACKSERVER01	Acer AT310 F2	1 x one Intel Xeon 4c E3-1230v2 69W Intel C202 Chipset 8 GB RAM 2x600 GB 10 KRPM RAID Controller supporting RAID 0, 1, 1E, etc Integrated Video Memory 16 MB Dual Port Minimum Two Number of PCIe Slots Single Power Supplies OEM Server Management software with the device.	163800
2	RACKSERVER02	Acer AR380 F2	1 x Intel Xeon Quad Core E5-2403 CPU @ 1.8 GHz or Higher Two CPU Intel C600 Chipset RAM 64 GB, DDR3 ECC Memory Upgradeable 8 x 3 TB 7.2K RPM6 RAID Controller with 512 MB Battery back cache. The RAID controller should support RAID 0,1,5,10,50. Raid controller should have an option to upgrade to Raid 6 and 60 as well. Integrated Video Memory 16 MB Dual Gigabit Port Minimum Five Number of PCIe Slots Dual Redundant Hot Swappable power supplies OEM Server Management software with the device.	472500



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3	TSERVER 01	Acer AT 350 F2	Up to 2 intel Xeon processor with 8 cores (up to 2.3 GHz), 6 cores (up to 2.4 GHz) 4 cores (up to 2.2 GHz) one QPI link up to 8.0 GTps, up 1600 MHz memory speed, up to 20MB L3 cacheIntel C600Up to 12 DDR3 DIMM sockets. RDIMMs and UDIMMs are supported. But memory types cannot be intermixedWith RDIMMs: Up to 192 GB with 12x16 GB RDIMMs and two processors. With UDIMMs : up to 48 GB with 12x4 GB UDIMMs and 2 processorECC , chipkill, memory mirroring and memory rank sparingUp to 16x2.5 inch hot swap SAS/SATA HDD or SSD , or up to 8x3.5 inch simple swap SATA HDDs.32 TB with 4 TB3.5" SATA HDDs or 19.2 TB with 1.2 TB2.5" SAS HDDs , or 16 TB with 1TB 2.5" SATA or 25.6 TB with 1.6 TB 2.5" SSDs.RAID 0,1,10 standards with the ServeRAID C105 software RAID solutionupto 6 PCI slot	1575000
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OPTIONAL ITEMS				
Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	Approved Rate
1	BIDOPT01	Acer TM P645 (Commercial Ultrabook Notebook)	Intel Core i5 4200U processor, 8 GB memory , 1 TB HDD, 14" Screen display and win 8 pro OS, 4 bluetooth battery backup 8Hrs HD Webcam Intel HD Graphics warranty 3 Yrs on Laptop and 1 yr on battery	75000
2	BIDOPT02	Acer Veriton M200 H81 (Core i5 Desktop)	4th Gen Intel Core i5 4440 processor with 3.0 Ghz and 6 MB cache Intel H81, 4 GB DDR3 memory , 500 GB HDD, 18.5" TFT display and win 8 pro OS 8 USB Port - 2 USB 3.0, 1 Serial Port, 1 Parallel Port, Audio, Mic,	44000
3	BIDOPT03	Veriton M200 Q87 (Core i5 Desktop)	4th Gen Intel Core i5 4570 processor with 3.2 Ghz and 6 MB cache, Intel Q87 Chipset, 4 GB DDR3 memory , 500 GB HDD, 18.5" Screen display and win 8 pro OS 8 USB Port - 2 USB 3.0, 1 Serial Port, 1 Parallel Port, Audio, Mic, TPM	51450
4	BIDOPT04	Veriton M200 H81 (Intel Pentium Dual core Desktop)	Intel Pentium Dual Core G3220 with 3.0 Ghz and 3 MB cache, H81 chipset, 4 GB DDR3 memory , 500 GB HDD, 18.5" Screen display and win 8 pro OS 8 USB Port - 2 USB 3.0, 1 Serial Port, 1 Parallel Port, Audio, Mic	35300
5	BIDOPT05	Ricoh SP 3510 DN (Laser Printer)	Laser Jet 18 ppm, Upto 1200 X 1200 dpi, Paper Size-A4, A5, Legal, Executive, Compatible With USB 2.0 Port	13440
6	BIDOPT06	AVIOR 600 (UPS)	600VA Line Interactive, 20 Min Backup	3150
TABLET PC				
Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	Approved Rate
1	TABLETPC01	Acer Iconia B1-740	WM8880 Dual Core Cortex A9 1.5 Ghz processor, 1 GB DDR3 memory, 16 GB Internal Flash HDD, 1.9 MP Rear Camera, 0.3 MP front Camera and 7" SD 1024x600 (WSVGA) Resolution LED Backlit display WLAN 802 b/g/n, USB Micro-B port, Supporting USB 2.0, Micro SD Android 4.2 Jelly Bean	7350
2	TABLETPC02	Acer Iconia A1-713	MTK MT8382 Quad Core Cortex A7 1.3 Ghz Processor, 1 GB DDR3 onboard Memory, 8GB eMMC HDD, 0.3 MP front Camera, 2 MP HD rear camera and 7" SD 1024x600 (WSVGA) Resolution LED Backlit display 3G, Micro USB Port 802.11b/g/n Wireless LAN, Bluetooth 4.0 Android 4.2 Jelly Bean	13650
3	TABLETPC03	Acer Aspire Switch 10	Intel Atom processor Z3735F, 2 GB DDR3 System Memory, 32 GB HDD, HD Webcam camera and 10" Display with IPS MicroSD, Micro USB, Micro HDMI, USB 2.0 HD Webcam 802.11b/g/n Wireless LAN, Bluetooth 4.0 Win 8.1 SL 32 Bit OS	36750



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Dell India Pvt Ltd				
DESKTOP COMPUTER SYSTEM AND LAPTOP				
Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	Approved rate
1	COMPUTERi302 (Desktop PC)	Dell Optiplex 3020 MT	Intel Core i3-3220, 3.3 GHz, 3 MB Cache or higher, RAM 4 GB 1333 MHz upgradable upto 16 GB, 500 GB 7200 rpm or higher 47 cm (18.5 inch) or larger TFT/LED Digital Colour Monitor TCO-05 certified. "6 USB Ports (with at least 2 in front), 1 Serial audio ports for microphone and headphone in front." DVD ROM Drive. Windows 8 Professional OS, Antivirus (Norton or McAfee or eTrust or e-Scan or Fore front or Trend Micro or PC Tool or Quick heal)	40405
2	COMPUTERi501 (Desktop PC)	Dell Optiplex 9030 All In One	Intel Core i5-3470, 3.2 GHz, 6 MB Cache or higher. RAM 4 GB 1333 MHz upgradable upto 8 GB. hard drive should be 500 GB, 7200 RPM, SATA 6.0 Gb/s 58.4 cm (23 inch) Wide LED 16:9 (1920x1080) or better Digital Colour Monitor- Energy Star compliant. 3 USB Ports, 1 Mic., 1 headphone inside, 1 RJ-45, 1 Display Port/ HDMI/VGA port Bluetooth 3.0, IEEE 802.11 b/g/n 1.3 Megapixel HD Windows 8 Professional, Antivirus (Norton or McAfee or eTrust or e-Scan or Fore front or Trend Micro or PC Tool or Quick heal)	65234.52
3	COMPUTERi701 (Desktop PC)	Optiplex 9020MT	Intel Core i7-3770, 3.4 GHz, 8 MB Cache or better. RAM 4 GB 1333 MHz DDR3 RAM with 32 GB Expandability. hard drive should be 500 GB, 7200 RPM, SATA 6.0 Gb/s 47 cm (18.5 inch) larger LED/ TFT Digital Colour Monitor TCO- 05 certified. 6 USB Ports including 2 USP 3.0 Ports (with at least 2 in front), audio ports for microphone and headphone in front. 4 PCI (PCI/ PCI Express) DVD ROM Drive. Windows 8 Professional OS, Antivirus (Norton or McAfee or eTrust or e-Scan or Fore front or Trend Micro or PC Tool or Quick heal)	55961
4	COMPUTERAMD01	Vostro3901 Desktop	AMD A6 5400, 3.4 GHz Processor with Cache 4 GB 1066 MHz DDR3 RAM with 16 GB Expandability. 500 GB 7200 rpm or higher, SATA 6.0 Gb/s 47 cm (18.5 inch) or larger TFT/LED Digital Colour Monitor 6 USB Ports including 2 USB 3.0 Ports (with at least 2 in front), audio ports for microphone and headphone in front. 4 PCI (PCI/ PCI Express) DVD ROM Drive. Windows 8 Professional OS, Antivirus will be within the list	38358.00



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5	COMPUTERAMD02	Vostro3901 Desktop	AMD A8 5500, 3.2 GHz 4 Core, 4 MB Total cache or better. 4 GB 1333MHz DDR3 RAM with 16 GB Expandability. 500 GB 7200 rpm or higher, SATA 6.0 Gb/s 47 cm (18.5 inch) or larger LED/ TFT Digital Colour monitor, TCO-05 certified. 6 USB Ports including 2 USB 3.0 Ports (with at least 2 in front), audio ports for microphone and headphone in front. 4 PCI (PCI/ PCI Express) DVD ROM Drive. Windows 8 Professional OS, Antivirus (Norton or McAfee or eTrust or e-Scan or Fore front or Trend Micro or PC Tool or Quick heal)	36248.1
6	COMPUTERAMD03	Vostro3901 Desktop	AMD A10 5700, 3.4 GHz, 4 MB Cache, 4 Cores or higher. 4 GB 1333MHz DDR3 RAM with 16 GB Expandability. 500 GB 7200 rpm or higher, SATA 6.0 Gb/s 47 cm (18.5 inch) or larger LED/ TFT Digital Colour monitor, TCO-05 certified. 6 USB Ports with 1 USB 3.0 (with at least 2 in front), audio ports for microphone and headphone in front. 4 PCI (PCI/ PCI Express) 4 PCI (PCI/ PCI Express) DVD ROM Drive. Windows 8 Professional OS, Antivirus (Norton or McAfee or eTrust or e-Scan or Fore front or Trend Micro or PC Tool or Quick heal)	44142
7	LAPTOPUi501	Dell latitude 3340	Mobile Intel core i5 3427U, 1.8 GHz with 3MB Cache or higher, IVY Bridge Configuration 4 GB 1333 MHz DDR3 RAM or higher expandable up to 8 GB 128 GB SSD. 13.3" (33.78 cm) or above TFT active Matrix Display. 1366x768 WXGA or higher Mobile Intel HD Graphics Wireless Intel 802.11 b/g/n, Integrated Blue tooth. 2 USB, 3.0 Ethernet, microphone, headphone/ stereo and other standard features. Windows 8 Professional OS, Antivirus (Norton or McAfee or eTrust or e-Scan or Fore front or Trend Micro or PC Tool or Quick heal)	72295.59
8	LAPTOPAMDA601	Dell Vostro 3445	AMD APU A6-4400M, 2.7 GHz, Dual Core, 1 MB L2 cache with D 7000 series graphics with 192 Cores. 4 GB DDR3 RAM expandable up to 8 GB. 500 GB 5400 rpm (min.) SATA 14" (35.6 cm) or above (TFT) active Matrix Wide Screen Display. 1366x768 WXGA or higher Integrated wireless 802.11 b/g/n, Integrated Blue Tooth 3 USB, 10/100/1000 Ethernet card, RGB or S-Video or VGA/HDMI, 3 in one card, headphone, microphone. Windows 8 Professional OS, Antivirus (Norton or McAfee or eTrust or e-Scan or Fore front or Trend Micro or PC Tool or Quick heal)	57240



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9	LAPTOPAMDA401	Dell Vostro 3445	AMD APU A4-4300M, 2.5 GHz, Dual core, 2 MB L2 Cache with HD 7000 graphics with 80 radeon cores. 4 GB 1333 MHz DDR3 RAM expandable up to 8 GB. 500 GB 5400 rpm (min.) SATA 14" (35.6 cm) or above TFT active Matrix Wide Screen Display. 1366x768 WXGA or higher. Integrated wireless 802.11 b/g/n Integrated Blue tooth. 1 VGA, 1RJ-45, 1VGA, 3 USB and other standard feature. Windows 8 Professional OS, Antivirus (Norton or McAfee or eTrust or e-Scan or Fore front or Trend Micro or PC Tool or Quick heal)	44100
10	LAPTOPi301	Vostro 14 3000 series (Intel (R) 3446)	Mobile Intel Core i-3, 3110M, 2.4 GHz with 3 MB Smart Cache or better, IVY Bridge Configuration. 4 GB 1333 MHz DDR3 RAM or higher expandable up to 8 GB 500 GB 5400 rpm (min.) SATA 14"(35.56 cm) or above TFT active Matrix Wide Screen Display. 1366x768 WXGA or higher. Integrated Intel HD Graphics Integrated wireless 802.11 b/g/n Integrated Blue tooth. 3 USB, 10/100/1000 Ethernet card, RGB or video or VGA / HDMI/ Mini DP, Microphone In, Headphone In & other standard features. Windows 8 Professional OS, Antivirus (Norton or McAfee or eTrust or e-Scan or Fore front or Trend Micro or PC Tool or Quick heal)	42775.95
11	LAPTOPi501	Dell Latitude E5440	Mobile Intel Core i5, 3320 M, 2.6 GHZ with 3 MB L3 cache or better IVY Bridge Configuration.4GB 1333 MHz DDR3 RAM or higher expandable up to 8 GB.500 GB 5400 rpm (min.) SATA14"(35.56 cm) or above TFT active Matrix Wide Screen Display.Integrated Intel HD Graphics Integrated wireless 802.11 b/g/n Integrated Blue tooth.3 USB, 10/100/1000 Ethernet card, RGB or video or VGA / HDMI/ Mini DP, Microphone In, Headphone In & other standard features.Windows 8 Professional OS, Antivirus (Norton or McAfee or eTrust or e-Scan or Fore front or Trend Micro or PC Tool or Quick heal)	50400
12	LAPTOPi701	Dell Latitude E5440	Mobile Intel Core i-7, 3520M/3612QM, 2.9 GHz/2.1 GHz with 4 MB/6 MB Cache or higher, IVY Bridge Configuration. 4 GB 1333 MHz DDR3 RAM or higher expandable up to 8 GB. 500 GB 5400 rpm (min.) 14"(35.56 cm) or above TFT active Matrix Wide Screen Display. 1366x768 WXGA or higher Integrated wireless 802.11 b/g/n Integrated Blue tooth. 3 USB,10/100/1000 Gigabit Ethernet card, VGA/HDMI/ Microphone, stereo head phone and other standard features. Windows 8 Professional OS, Antivirus (Norton or McAfee or eTrust or e-Scan or Fore front or Trend Micro or PC Tool or Quick heal)	60900



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IN LIEU OF ITEMS SUPPLIED BY OEM				
Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	Approved Rate
1	ILOI01	Dell	8x or better DVD ROM	530
2	ILOI03	Dell	Cordless Keyboard and Mouse	3150
3	ILOI04	Dell	54.6 cm (21.5 inch) WXGA TFT Digital Color Monitor	4200
4	ILOI05	Dell	47 cm (18.5 inch) TFT/ LED monitor TCO – 05 certified	530
ADDITIONAL ITEMS				
Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	Approved Rate
1	COMPADDON01	Dell	Standard English Keyboard	525
2	COMPADDON03	Dell	Optical Mouse	525
3	COMPADDON04	Nvidia/AMD	Graphic Accelerator Card PCI Express 512 MB Direct X-10 compatible	3150
4	COMPADDON11	Dell	47cm(18.5inch) TFT/LED Digital colour Monitor TCO-05 Certified	6825
5	COMPADDON12	Dell	2GB DDR3 RAM 1333 MHz	1575
6	COMPADDON13	Dell	4GB DDR3 RAM 1333 MHz	3150
7	COMPADDON14	Dell	8GB DDR3 RAM 1333 MHz	6300
8	COMPADDON18	Any Of	McAfee	636
SERVER AND STORAGE				
Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	Approved Rate
1	BLSERVER01	Dell Poweredge M620	E5-2630L, 2.0GHz, 15MB Smart cache, 7.2GT/S, six core, 60 watts, Memory Speed 1066/800 MHz, DDR3 Only or better. 16GB PC2-5300 Fully Buffered DIMMs at 667 MHz, Scalable to 128 GB or better. 2 x 300 GB 10K rpm SFF SAS Hot Plug or higher, SAS based supporting RAID 0/1 with 32 MB Cache Min. 2 Gigabit Ports -Multifunction Port, Min. 2 Ports 4 Gb/s -optical fibre port, Virtual KVM based remote Control	589636.85
2	BLSERVER02	Dell Poweredge M620	E5-2665, 2.4 GHz, 1333/1066/800 DDR3 Only(MHz), 20 MB Smart Cache, 6.4 GT/s, 8 Core, 115 Watts or better. 16 GB PC2-5300 Fully Buffered DIMMs at 667 MHz, scalable to 128 GB or better 2 x 300 GB 10K rpm SFF SAS Hot Plug or higher SAS based supporting RAID 0/1 Min. 2 Gigabit Ports -Multifunction Port, Min. 2 Ports 4 Gb/s -optical fibre port Virtual KVM based remote Control	582075.9



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3	RACKSERVER01	Dell PowerEdge R210 II	1 x one Intel Xeon 4c E3-1230v2 69W Intel C202 Chipset, 8 GB memory, 2x600 GB 10 KRPM HDD, Up to four 2.5" hot-swap SAS HDDs RAID Controller supporting RAID 0, 1, 1E, etc Minimum Two Number of PCIe Slots, OEM Server Management software with the device.	136800
4	RACKSERVER02	Dell Poweredge R520	1 x Intel Xeon Quad Core E5-2403 CPU @ 1.8 GHz or Higher Two Intel C600 Chipset 64 GB, DDR3 ECC Memory Upgradeable 8 x 3 TB 7.2K RPM6, RAID Controller with 512 MB Battery back cache. The RAID controller should support RAID 0,1,5,10,50. Raid controller should have an option to upgrade to Raid 6 and 60 as well. Minimum Five Number of PCIe Slots OEM Server Management software with the device.	472500
5	RACKSERVER03	Dell Poweredge R720	1 x Intel Xeon Eight Core E5-2670 CPU @ 2.6 GHz or Higher, upgradable to 2 processor 64 GB, DDR3 ECC Memory Upgradeable 3 x 600GB 10 KRPM RAID Controller with 512 MB Battery back cache. The RAID controller should support RAID 0,1,5,10,50. Raid controller should have an option to upgrade to Raid 6 and 60 as well. Integrated Video Memory 16 MB DDR-2 SDRAM, Minimum six Number of PCIe Slots	782991.3
6	TSERVER 01	Dell Poweredge T620	Processor Up to 2 intel Xeon processor with 8 cores (up to 2.3 GHz), 6 cores (up to 2.4 GHz) 4 cores (up to 2.2 GHz) one QPI link up to 8.0 GTPs, up 1600 MHz memory speed, up to 20MB L3 cache Chipset Intel C600 Memory Up to 12 DDR3 DIMM sockets. RDIMMs and UDIMMs are supported. But memory types cannot be intermixed Memory maximum With RDIMMs: Up to 192 GB with 12x16 GB RDIMMs and two processors. With UDIMMs : up to 48 GB with 12x4 GB UDIMMs and 2 processor Memory protection ECC , chipkill, memory mirroring and memory rank sparing Disk drive bays Up to 16x2.5 inch hot swap SAS/SATA HDD or SSD , or up to 8x3.5 inch simple swap SATA HDDs. Maximum internal storage 32 TB with 4 TB3.5" SATA HDDs or 19.2 TB with 1.2 TB2.5" SAS HDDs , or 16 TB with 1TB 2.5" SATA or 25.6 TB with 1.6 TB 2.5" SSDs. RAID support RAID 0,1,10 standards with the ServeRAID C105 software RAID solution Optical Drive bays One half height 5.25" bays for optical drives Tape drive bays one half height bays for optional USB tape drive Network Interface Up to 4 Integrated Gigabit Ethernet 100BASE-T RJ -45 port with onboard Intel PCI Expansion slots Up to 6 slots but slots usable depends on the number of processor installed and the power supply used.	485825.55



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7	SSWITCH 01	Dell-Brocade 6505	<p>FC Port speed support 8Gbps FC ports should be provided No of Active ports Each switch should be configured with 12 nos of 8Gbps FC ports Port Scalability Each switch should support 24 ports of 8Gbps FC Features It should support vSAN and QoS (Quality of Service) Cables All necessary cables should be provided Rack Mountable Equipment to be provided with rack mounting kit Warranty and Support 3 Years support for hardware and software</p>	664298.25
8	SSWITCH 02	Dell-Brocade 6510	<p>FC Port speed support 8Gbps FC ports should be provided No of Active ports Each switch should be configured with 24 nos of 8Gbps FC ports Port Scalability Each switch should support 48 ports of 8Gbps FC Features It should support vSAN and QoS (Quality of Service) Cables All necessary cables should be provided Rack Mountable Equipment to be provided with rack mounting kit Warranty and Support 3 Years support for hardware and software</p>	1179693.9
9	NAS 01	Dell Powervault NX3200	<p>CPU type Intel Xeon Processor RAM 512 MB Drive Controller SATA-3, 6 Gb/s Network Interface Network Interface support IEEE 802.3 Standards for 100Mbps, 1Gbps, 10 Gbps Network connectivity Front End Networking 4 x Gigabit Ethernet (twin-ax copper) Hard disk drive 3.5" 7200 RPM Solid- State Drive 600 GB (upto 6) Client Support Microsoft Windows, Linux, Unix, etc.</p>	770359.8
10	NAS 02	Dell Powervault NX3200	<p>CPU type Intel Xeon Processor RAM 512 MB Drive Controller SATA-3, 6 Gb/s Network Interface Network Interface support IEEE 802.3 Standards for 100Mbps, 1Gbps, 10 Gbps Network connectivity Front End Networking 4 x Gigabit Ethernet (twin-ax copper) Hard disk drive 3.5" 7200 RPM Solid- State Drive 600 GB (upto 14) Client Support Microsoft Windows, Linux, Unix, etc.</p>	1403341.8
11	NAS 03	Dell Powervault NX3200	<p>CPU type Intel Xeon Processor RAM 1 GB Drive Controller SATA-3, 6 Gb/s Network Interface Network Interface support IEEE 802.3 Standards for 100Mbps, 1Gbps, 10 Gbps Network connectivity Front End Networking 4 x Gigabit Ethernet (twin-ax copper) Hard disk drive 3.5" 7200 RPM Solid- State Drive 600 GB (upto 28) Client Support Microsoft Windows, Linux, Unix, etc.</p>	2318211.32



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12	TL001	Dell Powervault TL 4000	Tape Library shall be with minimum Two Tape Drive and minimum 40 Tape Slots. "Tape Library shall be supplied with power cables, FC Cables (10 meters) / SCSI Cable." Tape Library shall be Rack Mountable "Speeds and Capacity for the Drives shall be as under. LTO 5 SAS Drive" Tape Library shall support Barcode reader and mail slot Tape Library shall support Redundant Power Supply Tape Library shall have GUI Panel for ease of navigation	1016390.55
13	L2SWITCH 01	PowerConnect(TM) 2816-16 Port	Ports 16 10/100/1000BASE-T ports Auto-negotiation for speed, duplex mode and flow control, Auto MDI/MDIX mode and flowcontrol, Integrated Port LEDs Capacity Switching capacity 32.0 Gbps Forwarding Rate 23.7 Mbps	31500
14	L2SWITCH 02	PowerConnect(TM) 2824-24 Port Gigabit Ethernet	Ports 24 10/100/1000BASE-T ports 2 Combo (SFP or 10/100/1000) Gigabit Ethernet ports Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX mode and flow control Integrated Port LEDs Capacity Switching capacity 48.0 Gbps Forwarding Rate 35.6 Mbps	42000
15	L2SWITCH 03	PowerConnect(TM) 2848-48	Ports 48 10/100/1000BASE-T ports 2 Combo (SFP or 10/100/1000) Gigabit Ethernet ports Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX mode and flow control Integrated Port LEDs Capacity Switching capacity 96 Gbps Forwarding Rate 71.4 Mbps	67200
16	L3SWITCH 01	Dell Networking N3024	Ports 24 1G Bast-T ports with 4 SFP Combo Ports Capacity Switching Capacity 128 Gbps G. Port 10G ports – 4, fully loaded Certification FCC, RoHS, UL	362250
17	L3SWITCH 02	Dell Networking N3048	Ports 48 1G Bast-T ports with 4 SFP Combo Ports Capacity Switching Capacity 176 Gbps G.Port 10G ports - 4, fully loaded Certification FCC, RoHS, UL	564900



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18	SAN30TB	Dell CT SC8000	<p>Set of fiber channel cables with LC-LC connectors 5 m long (for each active port on the storage)</p> <p>Two controllers in specified configuration</p> <p>SATA II disk array populated with dual ported SATA II or NL-SAS drives, redundant power supply and fans, hot-swappable.</p> <p>Two redundant active-active RAID controllers configured for RAID 0, 5/6 RAID levels. The usable capacity should be configured on RAID 5/6. For every 30 disk, one spare disk needs to be configured over and above the capacity</p> <p>Storage management software for configuration and multi-pathing(part of the supply).</p> <p>Multi-pathing and load balancing and fail over software with license for 16 windows/Linux servers or shall support native multipathing of OS (part of the supply).</p> <p>All interconnecting cables and connectors</p> <p>Snapshot license of the provisioned capacity(part of the supply).</p> <p>SAN System 10TB Usable Capacity on 6Gbps or Higher Disc Back Up Software</p> <p>All leading operating system platforms and clustering including Windows Server 2003/2008/2012 (enterprise Edition) Sun Solaris, HP-UX, IBM AIX and Enterprise Linux.</p> <p>1/2/3TB LFF 7200RPM SATA/NL-SAS drives</p> <p>Hardware based data replication at the array controller level</p> <p>The array shall have capability to support remote replication to DR location.</p> <p>On line micro code upgrade and disk expansion upgrade without downtime</p> <p>Configuration in "No Single Point of Failure" for disk drives, power supply</p> <p>SAN Storage to be configured with Host kits which will connect to the SAN storage.</p>	5775000
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19	SAN10TB	Dell CT-SC8000	<p>Set of fiber channel cables with LC-LC connectors 5 m long (for each active port on the storage).Two controllers in specified configuration with front end port, back end port and disc with 6 Gbps speed.Disk array populated with dual ported drives of 6Gbps or Higher disk, redundant power supply and fans, hot-swappableTwo redundant active-active RAID controllers configured for RAID 0, 5/6 RAID levels. The useable capacity shall be configured on RAID 5/6. Storage management software for configuration and multi-pathing(part of the supply).Multi-pathing and load balancing and fail over software (part of supply) with license for 16 windows/Linux servers or shall support native multipathing of OSAll interconnecting cables and connectorsThe array shall be supplied with 4 x 1 Gbps iSCSI ports native or through additional controllers (part of the supply).Snapshot license of the provisioned capacity (part of the supply).The storage shall be configured to connect minimum 16 hosts.storage shall be configured alongwith host kitThe storage shall support FC Protocol, iSCSI, FCOE NATIVE All leading operating system platforms and clustering including Windows Server 2003/2007(Enterprise Edition) Sun Solaris, HP-UX, IBM AIX and Enterprise Linux.Hardware based data replication at the array controller levelStorage array based management of complete array, the software for array management shall be turning on array controllers in high availabilityThe array shall have capability to support remote replication to DR locationOn line micro code upgrade and disk expansion upgrade without downtimeConfiguration in "No Single Point of Failure" for disk drives, power supply.SAN Storage to be configured with Host kits which will connect to the SAN storage Backup software: Backup software shall support agents for Linux,Unix and Windows Operating systems.</p>	5250000
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OPTIONAL ITEMS				
Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	Approved Rate
1	BIDOPT01	Dell SonicWall TZ 215-	<p>Multi Cores – Cavium Octeon Processor 2 X 500Mhz Interface / Ports 7GE RAM 512MB Firewall inspection throughput 500 Mbps Application inspection throughput 60 Mbps IPS throughput 110 Mbps Connections per second 1,800 Maximum connections (SPI) 48,000 Anti-malware inspection throughput Real Time Application Intelligence, Visualization , Categorization and Control Yes DSCP marking, 802.1p NAT Mode 1:1, many:1, 1:many, flexible NAT (overlapping IPS), PAT, transparent mode Security Services "• HTTP URL, HTTPS IP, keyword and content scanning, ActiveX, Java Applet, and cookie blocking bandwidth management on filtering categories, allow/forbid lists, • Gateway Anti-Virus, Anti-Spyware, Intrusion Prevention, Application Intelligence and Control Authentication LDAP, Local DB, RADIUS, XAUTH, X- Forwarders DPI SSL Decryption / Scanning NA Gartner Certifications – UTM Leader Cloud Anti Virus Engine Supported</p>	73500
2	BIDOPT02	Dell SonicWallNSA 3600-	<p>Multi Cores – Cavium Octeon Processor 6 x 800 MHzInterface / Ports "2 x 10-GbE SFP+, 4 x 1-GbE SFP,12 x 1 GbE"RAM 2.0 GBFirewall inspection throughput 3.4 GbpsApplication inspection throughput 1.1 GbpsIPS throughput 1.1 GbpsConnections per second 20,000/secMaximum connections (SPI) 325,000Anti-malware inspection throughput 600 MbpsFile Size Scanning limit No limitationsReal Time Application Intelligence, Visualization , Categorization and Control YesDSCP marking, 802.1pNAT Mode 1:1, many:1, 1:many, flexible NAT (overlapping IPS), PAT, transparent modeSecurity Services "• Web Security, Geo base IP blocking, Intrusion Prevention System, Gateway Anti Virus, Anti Spyware, Anti BotnetAuthentication XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, terminal services, CitrixDPI SSL Decryption / Scanning HTTPS protocol scanning supportedGartner Certifications – UTM LeaderCloud Anti Virus Engine Supported</p>	399000



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3	BIDOPT03	Dell SonicWall NSA 5600	<p>Multi Cores – Cavium Octeon Processor 10 x 1.3 GHz Interface / Ports "2 x 10-GbE SFP+, 4 x 1-GbE SFP, 12 x 1 GbE" RAM 4.0 GB Firewall inspection throughput 9.0 Gbps Application inspection throughput 3.0 Gbps IPS throughput 3.0 Gbps Connections per second 60,000/sec Maximum connections (SPI) 562,500 Anti-malware inspection throughput 1.7 Gbps File Size Scanning limit No limitations DSCP marking, 802.1p NAT Mode 1:1, many:1, 1:many, flexible NAT (overlapping IPS), PAT, transparent mode Security Services "• Web Security, Geo base IP blocking, Intrusion Prevention System, Gateway Anti Virus, Anti Spyware, Anti Botnet" Authentication XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, terminal services, Citrix DPI SSL Decryption / Scanning HTTPS protocol scanning supported Gartner Certifications – UTM Leader Cloud Anti Virus Engine Supported</p>	609000
4	BIDOPT04	Dell SonicWall SUPERMASSIVE 9200	<p>Multi Cores – Cavium Octeon Processor 24 Interface / Ports 4 x 10-GbE SFP+, 8 x 1-GbE SFP, 8 x 1 GbE (1 LAN Bypass pair) RAM 8 GB Firewall inspection throughput 15 Gbps Application inspection throughput 5 Gbps IPS throughput 5 Gbps Connections per second 100,000/sec Maximum connections (SPI) 1.25 M Anti- malware inspection throughput 3.5 Gbps File Size Scanning limit No limitations Real Time Application Intelligence, Visualization , categorization and Control Yes bandwidth, DSCP marking, 802.1p NAT Mode 1:1, many:1, 1:many, flexible NAT (overlapping IPS), PAT, transparent mode Security Services "• Web Security, Geo base IP blocking, Intrusion Prevention System, Gateway Anti Virus, Anti Spyware, Anti Botnet" Authentication XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, terminal services, Citrix DPI SSL Decryption / Scanning HTTPS protocol scanning supported Gartner Certifications – UTM Leader Cloud Anti Virus Engine Supported</p>	2992500



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5	BIDOPT05	Dell SonicWall SUPERMASSIVE 10400	Multi Cores – Cavium Octeon Processor 48 Interface / Ports 6 x 10-GbE SFP+,16 x 1-GbE SFP RAM 32 GB Firewall inspection throughput 20 Gbps Application inspection throughput 15 Gbps IPS throughput 15 Gbps Connections per second 320,000/sec Maximum connections (SPI) 6 M Anti-malware inspection throughput 6 Gbps File Size Scanning limit No limitations Real Time Application Intelligence, Visualization , Categorization and Control Yes DSCP marking, 802.1p NAT Mode 1:1, many:1, 1:many, flexible NAT (overlapping IPS), PAT, transparent mode Security Services "• Web Security, Geo base IP blocking, Intrusion Prevention System, Gateway Anti Virus, Anti Spyware, Anti Botnet" Authentication XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, terminal services, Citrix DPI SSL Decryption / Scanning HTTPS protocol scanning supported Gartner Certifications – UTM Leader Cloud Anti Virus Engine Supported	13650000
6	BIDOPT06	PowerConnect(TM) M6220 Gigabit Managed Ethernet Switch-Redundant	PowerConnect(TM) M6220 Gigabit Managed Ethernet Switch-Redundant	78750
7	BIDOPT07	Brocade M5424 FC8 Fibre Channel Switch (12 ports + 2xSFP) - Redundant	Brocade M5424 FC8 Fibre Channel Switch (12 ports + 2xSFP) - Redundant	399000



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8	BIDOPT08	PowerEdge T620	<p>Processor 2xIntel Xeon E5-2620v2 2.1GHz, 15M Cache, 7.2GT/s QPI, Turbo, HT, 6C, 80W Chipset Latest Generation Server Class Mother Board based on associated chipset supporting the above processor. Same OEM make as ProcessorPrimary Memory Expandable upto 2x16GB RDIMM, 1600Mhz, Low Volt, Dual Rank, x4 BandwidthHDD Bays Up to 24 hot-plug drive bays supporting upto atleast 36 TB internal storageHDD Types supported SATA/NL-SAS, SAS, Express Flash PCIe SSD and SED Internal HDD Controller 8-port, internal 6Gb/s PCIe RAID controller supporting RAID 1, 0, 5 with 1 GB L3 Cache HDD 2x300GB 15K RPM,6Gbps SAS 2.5 " Hot Plug Hard Drive in 3.5 " CarrierRAID PERC H710 Integrated RAID Controller, 512MB NV Cache, Full HeightOptical Drive 16x SATA DVD-ROM DrivePower Supply Dual, Hot-plug, Redundant Power Supply (1+1), 750WWarranty Support 3Yr ProSupport: NBD Onsite ServiceForm Factor Tower Model with optional Sliding Rack Rails for mounting on 19" industry-standard server racks I/O Slots and ports Up to 7 PCIe 3.0 slots, 6 USB 2.0 Port., 1 Serial port, 1 Keyboard, 1 mouse port, 1 Graphics port and support for atleast 4 internal graphics processing units (GPUs)Remote Management Integrated remote management controller with a dedicated 10/100/1000 Gbps port with optional virtual media upgrade upto 16 GBNetwork Controller Integrated 10/100/1000BASE-T Ethernet Dual port controllerIndustry standard Compliance ACPI, IPMI, SMBIOS, PMBUS, UEFI Certifications For OEM- ISO 9001 and 14001. For Quoted Model- UL/CSA, FCC or Equivalent, RoHs. The server model should be listed in the spec.org website</p>	534881.55
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9	BIDOPT09	PowerEdge T620	<p>Processor "2xIntel Xeon E5-2640v2 2.0GHz, 20M Cache, 7.2GT/s QPI, Turbo, HT, 8C, 95W, Max Mem 1600MHz"</p> <p>Chipset Latest Generation Server Class Mother Board based on associated chipset supporting the above processor. Same OEM make as Processor</p> <p>Primary Memory Expandable upto 2x16GB RDIMM, 1600Mhz, Low Volt, Dual Rank, x4 Bandwidth</p> <p>HDD Bays Up to 24 hot-plug drive bays supporting upto atleast 36 TB internal storage</p> <p>HDD Types supported SATA/NL-SAS, SAS, Express Flash PCIe SSD and SED</p> <p>Internal HDD Controller 8-port, internal 6Gb/s PCIe RAID controller supporting RAID 1, 0, 5 with 1 GB L3 Cache</p> <p>HDD 2x300GB 15K RPM,6Gbps SAS 2.5 " Hot Plug Hard Drive in 3.5 " Carrier</p> <p>Optical Drive 16x SATA DVD-ROM Drive</p> <p>Power Supply Dual, Hot-plug, Redundant Power Supply (1+1), 750W</p> <p>Warranty Support 3Yr ProSupport: NBD Onsite Service</p> <p>Form Factor Tower Model with optional Sliding Rack Rails for mounting on 19" industry-standard server racks</p> <p>I/O Slots and ports Up to 7 PCIe 3.0 slots, 6 USB 2.0 Port., 1 Serial port, 1 Keyboard, 1 mouse port, 1 Graphics port and support for atleast 4 internal graphics processing units (GPUs)</p> <p>Remote Management Integrated remote management controller with a dedicated 10/100/1000 Gbps port with optional virtual media upgrade upto 16 GB</p> <p>Network Controller Integrated 10/100/1000BASE-T Ethernet Dual port controller</p> <p>Industry standard Compliance ACPI, IPMI, SMBIOS, PMBUS, UEFI</p> <p>Certifications For OEM- ISO 9001 and 14001. For Quoted Model- UL/CSA, FCC or Equivalent, RoHs. The server model should be listed in the spec.org website</p>	631103.55
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10	BIDOPT10	Dell MD 3600f	Dual Controller FC host based SAN array.2u Rack mountable model.The SAN should support intermixing of 6Gbps SAS, NL-SAS in a single enclosure.The SAN should have option for 6 Gbps SAS, NL-SAS/SATA and should support SSD drives.The SAN should support 10K, 15K and 7.2 RPM drives and SSD drives.The storage system should support minimum 8 front end ports of 8 Gb FC across dual controller.SAN should support snapshot feature.The SAN should support replication.Should support minimum 64 host and license for 64 host should be provided.SAN should support cloning/disk copy.5 TB usable on 15K RPMThe SAN should be scalable upto 100 drives.4 GB cache across dual controller. Cache should be mirrored between the controllers. Must support either Cache battery backup for a minimum of 72 hours during power failure to prevent possible data loss or cache de staging to disk.Multipathing software license for 10 windows/linux machine should be provided or native MPIO support.Industry leading Operating System platforms including: Windows Server® 2003, Windows Server® 2008, Linux, Vmware, Hyper-V, Xen etcFirmware should be upgradeable for functionality improvement and enhancements. Must support non-disruptive upgrade.3 Years support for Hardware and free patches and major version upgrades to all software capabilities that are mentioned above	787500
11	BIDOPT11	PowerVault(TM) MD1220 Disk	Bezel for PowerVault(TM) MD1220 Redundant Power Supply for MD12X0 MD32X0 MD32X0i MD36X0i MD36X0f Jumper cord 12A,4M for all APCC countries except ANZ Power Cord, GType, 230V (Nepal, Sri Lanka, India) 1M, Mini SAS cable ReadyRails(TM) Static Rails for 2U Racks Second EMM for PowerVault MD12XX Three Year Warranty	220500
12	BIDOPT12	Dell Poweredge R820	4x Intel® Xeon® E5-4620 v2 2.60GHz, 20M Cache, 7.2GT/s QPI, Turbo, 8 Core, 95W, Max Mem 1600MHz 20M Cache, 7.2GT/s QPI, Turbo, 8 Core, 95W, Max Mem 1600MHz Intel series OEM motherboard with support for 1066 MHz FSB, 8x8GB RDIMM 1600 MHz, Low Volt, Single Rank, x4 Data Width 5 x Hot Plug 600 GB SAS Drive 10K rpm Dell Perc H700 RAID Controller with support for RAID 0/1/5 DUAL LAN 10/100/1000 Mbps on board NIC, DVD-RW drive, Ports:7 USB (2 front, 4 rear, 1 internal USB) Dell USB Keyboard,Dell Optical Scroll Mouse 6 PCI Express G2 Slots Redundant power supply - 2 x 1100W hot-plug power supplies 2U, 19" Rack mountable Dell Openmanagealong with Baseboard Mgmt. Controller Server Management and Diagnostic Software, 3 years on site Comprehensive warranty including OS (MS Server 2008 and above)	1008000



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13	BIDOPT13	Dell Poweredge M915	2x AMD Opteron 6320 2.8GHz 8C Turbo CORE 8M L2/16M L3 1600Mhz Max Mem 115W AMD SR5650/SR5670/SP5100 chipset supporting and optimized for the above processor 64GB Memory,(8x8GB) 1600MT/s, Single Rank LVRDIMMs at Std Volt, for 2 Processors2 x 300 GB H/S 6 Gb/s SAS Hard Disk Drives Two PCIe mezzanine slotsIntegrated Matrox® G200eW with 8MB memory"BMC, IPMI 2.0 compliantDell OpenManageTMUnified Server ConfiguratorLifecycle ControlleriDRAC6 Enterprise with optional vFlashChassis Management Controller"3 Year Warranty	567000
14	BIDOPT14	Dell DR6000 36TB +18TB Expansion Shelf	PowerEdge R720/R720xd Motherboard TPM 2 x 300GB SAS 6Gbps 10k 2.5" Hard Drive Hot Plug 12 x 4TB 7.2K NL SAS 3.5 HDDs Dual, Hot-plug, Redundant Power Supply (1+1), 1100W Broadcom 5720 QP 1Gb Network Daughter Card/Intel Ethernet X540 DP 10GBASE-T Server Adapter, Low Profile DR6000 Base Components 3Yr ProSupport	8894235
15	BIDOPT15	Dell Latitude E7440/7240	4th Gen Intel Core i5-4310U Processor (2.0 GHz, 3M Cache, Dual Core) 8GB (1x8GB) 1600MHz DDR3L Memory 256GB Full Mini-Card Mobility Solid State Drive 12.5" HD (1366x768) LED-backlit LCD non-Touch Panel, WiGig and WWAN Capable 1366x768 WXGA or higher Mobile Intel HD Graphics, 128 MB or higher of shared system memory. Wireless Intel 802.11 b/g/n, Integrated Blue tooth. 2 USB, 3.0 Ethernet, microphone, headphone/ stereo and other standard features. Microsoft Windows 8 professional preinstalled ,Antivirus Software latest Version with 3 years license.	108150
16	BIDOPT16	Dell Optiplex 3020	CPU Intel Core i5-4570 , Quad Core, 6MB Cache, 3.2GHz, w/HD Graphics 4600 Chipset Intel 6 series express chipset or better. Memory 4 GB 1333 MHz DDR3 RAM with 16 GB Expandability. Hard Disk Drive 500 GB 7200 rpm or higher. Display "47 cm (18.5 inch)or larger TFT/LED Digital Colour Monitor TCO-05 certified." Graphics Intel HD Graphics Ports "6 USB Ports (with at least 2 in front), 1 Serial audio ports for microphone and headphone in front." Optical Drive 8X or better DVD ROM Drive. Operating System Windows 8 Professional,Antivirus (Latest Version) with 60 days License.	48300



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17	BIDOPT17	Dell Optiplex 3020	CPU Intel® Pentium™ G3220 Processor (Dual Core, 3MB Cache, 3.00 GHz, w/HD Graphics) Chipset Intel 6 series express chipset or better. Memory 2 GB 1333 MHz DDR3 RAM with 16 GB Expandability. Hard Disk Drive 500 GB 7200 rpm or higher. Display "47 cm (18.5 inch) or larger TFT/LED Digital Colour Monitor TCO-05 certified." Graphics Intel HD Graphics Ports "6 USB Ports (with at least 2 in front), 1 Serial audio ports for microphone and headphone in front." DVD ROM Drive. Operating System Windows 8 preloaded Antivirus with 60 days License. Warranty 3 Years Comprehensive On Site warranty	35490
18	BIDOPT18	Dell Optiplex 3020	CPU Intel Celeron G1820 Processor (Dual Core, 2MB Cache, 2.7GHz, w/Intel HD Graphics) Chipset Intel 6 series express chipset or better. Memory 2 GB 1333 MHz DDR3 RAM with 16 GB Expandability. Hard Disk Drive 500 GB 7200 rpm or higher. Display Dell E Series E1914H 18.5" Wide Screen Monitor with LED Back Light Graphics Intel HD Graphics Ports "6 USB Ports (with at least 2 in front), 1 Serial audio ports for microphone and headphone in front." Operating System Windows 8.1 Single Language Preloaded Software Antivirus (Latest Version) with 60 days License. (Included in case of Windows 8 only). Warranty 3 Years Comprehensive On Site warranty	33495
19	BIDOPT19	DR4100 Base	DR4100 27TB+18TB Expansion PowerEdge R720/R720xd Motherboard TPM 2 x 300GB SAS 6Gbps 10k 2.5" Hard Drive Hot Plug 12 x 3TB Near Line SAS 6Gbps 7.2k 3.5" Hard Drive Hot Plug PERC H810 RAID Adapter for External JBOD, 1Gb NV Cache Dual, Hot-plug, Redundant Power Supply (1+1), 750W Broadcom 57800 2x10Gb DA/SFP+ + 2x1Gb BT Network Daughter Card 3Yr ProSupport 18TB Expansion 12 X 2TB 7.2K RPM NL SAS 6Gbps 3.5in HotPlug Hard Drives	4611549.6
20	BIDOPT20	Dell 4220 Projector	Single-chip 0.55" XGA S450 DMD, DarkChip3™ technology 4100 ANSI Lumens (Max.) F-Stop: F/2.4~2.66 Focal length, f = 18.2~21.8mm 115 ± 5% 1.6 (wide) -1.92 (tele) 30.8" ~ 307" (0.78m ~ 7.8m) (diagonal) 3.94 ft ~ 32.81 ft (1.2m ~ 10m) 4:3 (standard aspect) "300W user-replaceable lamp of up to 2000 hours ² (typical), or up to 2500 hours ² in Eco-Mode" 1024 x 768 (XGA) 2000:1 typical (Full On/Full Off) 1.07 billion colors 3 year Warranty	82400.85



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21	BIDOPT21	DellTM 1510X Standard Series Projector	DellTM 1510X Standard Series Projector 3500 ANSI Lumens (Max.) 2100:1 Typical (Full On / Full Off) XGA (1024 x 768) 85% Typical (Japan Standard - JBMA) "F-Stop: F/2.4~2.66 Zoom Lens: Manual 1.2x Throw ratio: 1.6 (wide) - 1.92 (tele)" 0.78m – 7.79m (30.8 – 307) 1.2m ~ 10m 3D & Crestron RoomView Enabled 3 year Warranty	58838.85
22	BIDOPT22	Memory 8GB 1333mhz Dual Ranked LV RDIMMS	Memory 8GB 1333MHz Dual ranked LV RDIMMs	17325
23	BIDOPT23	Dell backup & disaster recovery suite	DELL BACKUP & DISASTER RECOVERY SUITE PER FRONT END TERABYTE 5TB LICENSE/24X7 MAINT PACK	1036350
24	BIDOPT24	Dell backup & disaster recovery suite	DELL BACKUP & DISASTER RECOVERY SUITE PER FRONT END TERABYTE 10TB LICENSE/24X7 MAINT PACK	1919400
25	BIDOPT25	SAS Hard Drive (600 GB)	600GB 2.5 inch 10K RPM, 6Gbps SAS Hard Drive	25725
26	BIDOPT26	SAS Hard Drive (900 GB)	900GB 2.5 inch 10K RPM, 6Gbps SAS Hard Drive	29925
27	BIDOPT27	1 TB NL-SAS Hard Disk Drive	1 TB NL-SAS Hard Disk Drive	21525
28	BIDOPT28	CML SC4020 with 5TB Usable using 600GB 10K SAS disks	CML SC4020 with 5TB Usable using 600GB 10K SAS disks SC4020 8Gb Fibre Channel - 8ports (Single drives) Dell 600GB, SAS, 6Gb, 2.5", 10K, HDD Enclosure Blank, SAS, Drive Bay Blanks, 2.5" LC-LC Optical Cable, 5M C13-C14, PDU, 12AMP, 6.5 FT (2m), Power cord, Qty2 SW, Storage Center OS Core Base License SW, Performance Bundle Base License Install & Implem of Array upto 8 hosts	2898000
29	BIDOPT29	Qlogic 8Gbps FC HBA Card for Tower/Rack servers	Qlogic 8Gbps FC HBA Card for Tower/Rack servers	99750
30	BIDOPT30	Qlogic 8Gbps FC HBA Mezzanine Card for Blade servers	Qlogic 8Gbps FC HBA Mezzanine Card for Blade servers	99750



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TABLET PC				
Sl No.	Item Code No. & Item Name	Make and Model	Items Specification	
1	TABLETPC01	Dell Venue 7 (3740)	Processor Intel Atom processor Z3460 (up to 1.6GHz Dual-Core), Memory (RAM Upgradable up to 2GB LP-DDR2 Hard Disk Drive:- 16GB eMMC storage Headphone and microphone combo jack Camera Yes Graphics Card Intel® HD Graphics Display 7.0 inch IPS Display with HD (WXGA 1280 x 800) resolution with capacitive multi-touch Wireless & Bluetooth Dual band 802.11b/g/n Wi-Fi + GPS ,Bluetooth Power Supply 10 Watt AC Adapter Operating System Android Jellybean 4.2.2 If any 1 Year Limited Hardware Warranty HD Graphics	17707
2	TABLETPC02	Dell Venue 8 (3840)	Processor Intel Atom processor Z3480 (up to 2.1GHz Dual-Core) Memory (RAM Upgradable up to 1GB LP DDR3 memory Hard Disk Drive:- 16GB Communication & I/O Ports "1 x Micro-B USB2.0 (for trickle charging) 1 x Headphone and microphone combo jack" Camera 2MP (front) / 5MP (back) Graphics Card Intel HD Graphics Display 8.0 inch Direct bond IPS with FHD (1920 x 1200) with capacitive multi-touch Wireless & Bluetooth Wireless 5570E (HSPA+) Mobile Broadband2, Operating System Android 4.4 (Kit Kat) WiFi Warranty 1-Year Hardware Warranty	19911
3	TABLETPC03	Dell Venue 8 Pro 5830	Processor Intel Atom processor Z3740D (2MB Cache, up to 1.8GHz Quad-Core)Memory (RAM Upgradable up to 2GB* Single Channel DDR3L-RS 1600MHzHard Disk Drive:- 32GB* or 64GB* eMMC storageCommunication & I/O Ports 1 x Micro-AB USB2.0 (for trickle charging and data transfer), 1 x Headphone and microphone combo jackCamera Integrated 1.2MP HD Webcam (front) / 5MP (back)Graphics Card Intel® Gen 7 GraphicsDisplay 8.0 inch IPS Display with HD resolution and 10-pt capacitive touch (WXGA 1280 x 800)Wireless & Bluetooth Wireless 5570E (HSPA+) Mobile Broadband2,Operating System Microsoft Windows 8.1Warranty 1-Year Hardware Warranty	34479



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4	TABLETPC04	Dell Venue 11 Pro (7130/7139)	Processor Intel(R) Core(TM) i3 4020Y processor (3MB Cache, 1.5 GHz Dual Core) Memory (RAM Upgradable up to 4GB DDR3 1600MHz Memory Hard Disk Drive:- 128GB Mobility Solid State Drive Communication & I/O Ports 1 x Full size USB3.0. 1 x Headphone and microphone combo jack, 1 x mini HDMI Camera Integrated 2MP HD Webcam (front) / 8MP (back) Display 10.8 inch IPS Display with FHD (1920 x 1080) resolution with 10-pt capacitive touch Wireless & Bluetooth Bluetooth 4.0,Dell Wireless 1537 Dual-Band 2x2 802.11a/b/g/n WiFi + Bluetooth(R) 4.0 Operating System Microsoft Windows 8.1 Warranty 1-Year Hardware Warranty	74597
5	TABLETPC05	Dell Venue 11 Pro (7130/7139)	Processor Intel(R) Core(TM) i5 4300Y processor (3MB Cache, 1.6 GHz Dual Core) vPro enabled Memory (RAM Upgradable up to 4GB DDR3 1600MHz Memory Hard Disk Drive:- 128GB Mobility Solid State Drive Communication & I/O Ports 1 x Full size USB3.0. 1 x Headphone and microphone combo jack, 1 x mini HDMI Camera Integrated 2MP HD Webcam (front) / 8MP (back) Display 10.8 inch IPS Display with FHD (1920 x 1080) resolution with 10-pt capacitive touch Wireless & Bluetooth Bluetooth 4.0,Dell Wireless 1537 Dual-Band 2x2 802.11a/b/g/n WiFi + Bluetooth(R) 4.0 Operating System Microsoft Windows 8.1 Warranty 1-Year Hardware Warranty	88903

So while requisitioning, please specify the item code, make & model name and send the amount adding 7% service charge so that supplies may be made at the earliest.

Our rates are compared/below DGS&D rates. Delivery shall be made in 30 days from the date of receipt of order completed in all respect.

For BSEDC Limited

Sd/

(Rahul Singh)

Managing Director

BSEDC