

1. Central Database Server

Sl. No.	Item of Specification	Particulars of Specifications
1	Brand	HP/IBM/DELL
2	Model	To be mentioned by the bidder
3	Country of Origin	To be mentioned by the bidder
4	Country of Manufacturing	To be mentioned by the bidder
5	Processor	2 x Six Core Intel® Xeon® Processor E7500 series 2.0 GHz, Upgradability up to 4 processors
6	Chipset	Intel® 7500 Chipset or Higher
7	Memory (RAM)	64 GB (8 x 8GB) DDR3-1333 Registered ECC memory
8	Hard Disk Drive	5x 300GB 6G SAS 10K 2.5" Hot Pluggable DP HDD (expandable up to 8TB)
9	Storage Controller	Min. 512MB Battery Backed Cache Support and RAID Level 0,1 & 5
10	Network Interface Card	Integrated Quad Port Multifunction Gigabit Server Adapter
11	Optical Drive	DVD RW
12	Graphics	64MB video standard
13	Power Supply	4 x 1200W Hot Plug Redundant power supply.
14	System Fan(s)	4 (Four) redundant hot plug fans ship standard (3+1).
15	Expansion Slots	Up to 11 available PCI-Express Gen2 slots
16	Drive Bays	Support for up to 8 Small Form-Factor (SFF) SAS, Serial ATA (SATA) or SSD drives
17	Interfaces	1 x Serial, 1 x Pointing Device (Mouse), 1 x Graphics, 2 x VGA (1 front, 1 rear), 4 Network RJ-45, 1 x iLO 3 remote management Port, 1 x SD slot, Total 6 USB 2.0 Ports: 2 front, 2 back, 2 internal
18	OS Support	Red Hat/ Oracle Enterprise (64 bit)
19	Security	Power-on password, Keyboard password, Quick Lock, Network Server Mode, Serial interface control, Administrator's password
20	Form Factor	4U Rack Mountable
21	Warranty	3 Years Full Warranty with Parts and Labor

2. Backup Database Server

Sl. No.	Item of Specification	Particulars of Specifications
1	Brand	HP/IBM/DELL
2	Model	To be mentioned by the bidder
3	Country of Origin	To be mentioned by the bidder
4	Country of Manufacturing	To be mentioned by the bidder
5	Processor	2 x Six Core Intel® Xeon® Processor E7500 series 2.0 GHz, Upgradability up to 4 processors
6	Chipset	Intel® 7500 Chipset or Higher
7	Memory (RAM)	64 GB (8 x 8GB) DDR3-1333 Registered ECC memory
8	Hard Disk Drive	5x 300GB 6G SAS 10K 2.5" Hot Pluggable DP HDD (expandable up to 8TB)
9	Storage Controller	Min. 512MB Battery Backed Cache Support and RAID Level 0,1 & 5
10	Network Interface Card	Integrated Quad Port Multifunction Gigabit Server Adapter
11	Optical Drive	DVD RW
12	Graphics	64MB video standard
13	Power Supply	4 x 1200W Hot Plug Redundant power supply.
14	System Fan(s)	4 (Four) redundant hot plug fans ship standard (3+1).
15	Expansion Slots	Up to 11 available PCI-Express Gen2 slots
16	Drive Bays	Support for up to 8 Small Form-Factor (SFF) SAS, Serial ATA (SATA) or SSD drives
17	Interfaces	1 x Serial, 1 x Pointing Device (Mouse), 1 x Graphics, 2 x VGA (1 front, 1 rear), 4 Network RJ-45, 1 x iLO 3 remote management Port, 1 x SD slot, Total 6 USB 2.0 Ports: 2 front, 2 back, 2 internal
18	OS Support	Red Hat/ Oracle Enterprise (64 bit)
19	Security	Power-on password, Keyboard password, Quick Lock, Network Server Mode, Serial interface control, Administrator's password
20	Form Factor	4U Rack Mountable
21	Warranty	3 Years Full Warranty with Parts and Labor

3. Central Application Server

Sl. No.	Item of Specification	Particulars of Specifications
1	Brand	HP/IBM/DELL or Any Internationally Reputed Brand
2	Model	To be mentioned by the bidder
3	Country of Origin	To be mentioned by the bidder
4	Country of Manufacturing	To be mentioned by the bidder
5	Processor	2 x Intel® Xeon® Processor E5620(2.40GHz/4-core/12MB/80W, DDR3-1066, HT, Turbo 1/1/2/2)
6	Processor Upgradeability	Upgradeable to 2 processors (12 cores)
7	Chipset	Intel® 5520 Chipset
8	Cache Memory	Up to 12MB (1x12MB) Level 3 cache
9	Memory (RAM)	64GB (8x8GB) Registered using DDR3 ECC memory, Upto 192GB
10	Hard Disk Drive	5 x HP 300GB 6G SAS 10K 2.5in DP ENT HDD
11	Storage Controller	HP Smart Array P410i/256 MB Controller (RAID 0/1/1+0/5/5+0) equivalent
12	Network Interface Card	Two Dual Port Multifunction Gigabit Server Adapters (four ports total) with TCP/IP Offload Engine, including support for Accelerated iSCSI
13	DVD-RW Drive	SATA DVD RW Optical Drive Standard / equivalent
14	Graphics	Integrated ATI ES1000, 64MB video standard
15	Hot Plug Power Supply	2x 750W Hot Plug Redundant hot plug power supply.
16	System Fan(s)	Fully redundant hot plug fans ship standard (N+1).
17	Expansion Slots	Up to six available PCI-Express Gen2 slots, optional mixed PCI-X / PCI-Express or x16 PCI configurations
18	Media Bays	Standard (16) small form factor (SFF) hot-plug drive bays to support Serial-attached SCSI (SAS) and Serial ATA (SATA) drives. . media bay supporting Optical Drive
19	Interfaces	1 x Serial, 1 x Pointing Device (Mouse), 1 x Graphics, 1 x Keyboard, 2 x VGA (1 front, 1 back), 4 Network RJ-45, 1 x iLO remote management Port, 1 x SD slot, Total 5 USB 2.0 Ports: 2 front, 2 back, 1 internal
20	OS Support	Red Hat/ Oracle Enterprise (64 bit)
21	Security	Power-on password, Keyboard password, Quick Lock, Network Server Mode, Serial interface control, Administrator's password
22	Form Factor	Rack (2U), (3.5-inch); Depth 27.25 inches (69.98 cm)
23	Warranty	3 Years Full Warranty with Parts and Labor

4. Backup Application Server

Sl. No.	Item of Specification	Particulars of Specifications
1	Brand	HP/IBM/DELL or Any Internationally Reputed Brand
2	Model	To be mentioned by the bidder
3	Country of Origin	To be mentioned by the bidder
4	Country of Manufacturing	To be mentioned by the bidder
5	Processor	2 x Intel® Xeon® Processor E5620(2.40GHz/4-core/12MB/80W, DDR3-1066, HT, Turbo 1/1/2/2)
6	Processor Upgradeability	Upgradeable to 2 processors (12 cores)
7	Chipset	Intel® 5520 Chipset
8	Cache Memory	Up to 12MB (1x12MB) Level 3 cache
9	Memory (RAM)	64GB (8x8GB) Registered using DDR3 ECC memory, Upto 192GB
10	Hard Disk Drive	5 x HP 300GB 6G SAS 10K 2.5in DP ENT HDD
11	Storage Controller	HP Smart Array P410i/256 MB Controller (RAID 0/1/1+0/5/5+0) equivalent
12	Network Interface Card	Two Dual Port Multifunction Gigabit Server Adapters (four ports total) with TCP/IP Offload Engine, including support for Accelerated iSCSI
13	DVD-RW Drive	SATA DVD RW Optical Drive Standard / equivalent
14	Graphics	Integrated ATI ES1000, 64MB video standard
15	Hot Plug Power Supply	2x 750W Hot Plug Redundant hot plug power supply.
16	System Fan(s)	Fully redundant hot plug fans ship standard (N+1).
17	Expansion Slots	Up to six available PCI-Express Gen2 slots, optional mixed PCI-X / PCI-Express or x16 PCI configurations
18	Media Bays	Standard (16) small form factor (SFF) hot-plug drive bays to support Serial-attached SCSI (SAS) and Serial ATA (SATA) drives. . media bay supporting Optical Drive
19	Interfaces	1 x Serial, 1 x Pointing Device (Mouse), 1 x Graphics, 1 x Keyboard, 2 x VGA (1 front, 1 back), 4 Network RJ-45, 1 x iLO remote management Port, 1 x SD slot, Total 5 USB 2.0 Ports: 2 front, 2 back, 1 internal
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21	Security	Power-on password, Keyboard password, Quick Lock, Network Server Mode, Serial interface control, Administrator's password
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23	Warranty	3 Years Full Warranty with Parts and Labor

5. Central Web Server

Sl. No.	Item of Specification	Particulars of Specifications
1	Brand	HP/IBM/DELL or Any Internationally Reputed Brand
2	Model	To be mentioned by the bidder
3	Country of Origin	To be mentioned by the bidder
4	Country of Manufacturing	To be mentioned by the bidder
5	Processor	2 x Intel® Xeon® Processor E5620(2.40GHz/4-core/12MB/80W, DDR3-1066, HT, Turbo 1/1/2/2)
6	Processor Upgradeability	Upgradeable to 2 processors (12 cores)
7	Chipset	Intel® 5520 Chipset
8	Cache Memory	Up to 12MB (1x12MB) Level 3 cache
9	Memory (RAM)	64GB (8x8GB) Registered using DDR3 ECC memory, Upto 192GB
10	Hard Disk Drive	5 x HP 300GB 6G SAS 10K 2.5in DP ENT HDD
11	Storage Controller	HP Smart Array P410i/256 MB Controller (RAID 0/1/1+0/5/5+0) equivalent
12	Network Interface Card	Two Dual Port Multifunction Gigabit Server Adapters (four ports total) with TCP/IP Offload Engine, including support for Accelerated iSCSI
13	DVD-RW Drive	SATA DVD RW Optical Drive Standard / equivalent
14	Graphics	Integrated ATI ES1000, 64MB video standard
15	Hot Plug Power Supply	2x 750W Hot Plug Redundant hot plug power supply.
16	System Fan(s)	Fully redundant hot plug fans ship standard (N+1).
17	Expansion Slots	Up to six available PCI-Express Gen2 slots, optional mixed PCI-X / PCI-Express or x16 PCI configurations
18	Media Bays	Standard (16) small form factor (SFF) hot-plug drive bays to support Serial-attached SCSI (SAS) and Serial ATA (SATA) drives. . media bay supporting Optical Drive
19	Interfaces	1 x Serial, 1 x Pointing Device (Mouse), 1 x Graphics, 1 x Keyboard, 2 x VGA (1 front, 1 back), 4 Network RJ-45, 1 x iLO remote management Port, 1 x SD slot, Total 5 USB 2.0 Ports: 2 front, 2 back, 1 internal
20	OS Support	Red Hat/ Oracle Enterprise (64 bit)
21	Security	Power-on password, Keyboard password, QuickLock, Network Server Mode, Serial interface control, Administrator's password
22	Form Factor	Rack (2U), (3.5-inch); Depth 27.25 inches (69.98 cm)
23	Warranty	3 Years Full Warranty with Parts and Labor

6. Backup Web Server

Sl. No.	Item of Specification	Particulars of Specifications
1	Brand	HP/IBM/DELL or Any Internationally Reputed Brand
2	Model	To be mentioned by the bidder
3	Country of Origin	To be mentioned by the bidder
4	Country of Manufacturing	To be mentioned by the bidder
5	Processor	2 x Intel® Xeon® Processor E5620(2.40GHz/4-core/12MB/80W, DDR3-1066, HT, Turbo 1/1/2/2)
6	Processor Upgradeability	Upgradeable to 2 processors (12 cores)
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11	Storage Controller	HP Smart Array P410i/256 MB Controller (RAID 0/1/1+0/5/5+0) equivalent
12	Network Interface Card	Two Dual Port Multifunction Gigabit Server Adapters (four ports total) with TCP/IP Offload Engine, including support for Accelerated iSCSI
13	DVD-RW Drive	SATA DVD RW Optical Drive Standard / equivalent
14	Graphics	Integrated ATI ES1000, 64MB video standard
15	Hot Plug Power Supply	2x 750W Hot Plug Redundant hot plug power supply.
16	System Fan(s)	Fully redundant hot plug fans ship standard (N+1).
17	Expansion Slots	Up to six available PCI-Express Gen2 slots, optional mixed PCI-X / PCI-Express or x16 PCI configurations
18	Media Bays	Standard (16) small form factor (SFF) hot-plug drive bays to support Serial-attached SCSI (SAS) and Serial ATA (SATA) drives. . media bay supporting Optical Drive
19	Interfaces	1 x Serial, 1 x Pointing Device (Mouse), 1 x Graphics, 1 x Keyboard, 2 x VGA (1 front, 1 back), 4 Network RJ-45, 1 x iLO remote management Port, 1 x SD slot, Total 5 USB 2.0 Ports: 2 front, 2 back, 1 internal
20	OS Support	Red Hat/ Oracle Enterprise (64 bit)
21	Security	Power-on password, Keyboard password, Quick Lock, Network Server Mode, Serial interface control, Administrator's password
22	Form Factor	Rack (2U), (3.5-inch); Depth 27.25 inches (69.98 cm)
23	Warranty	3 Years Full Warranty with Parts and Labor

7. Router

Sl. No.	Item of Specification	Particulars of Specifications
1	PWR-2911-AC	Cisco 2911 AC Power Supply
2	CAB-ACU	AC Power Cord (UK) C13 BS 1363 2.5m
3	HWIC-BLANK	3 Blank faceplates for HWIC slot on Cisco ISR
4	ISR-CCP-EXP	Cisco Config Pro Express on Router Flash
5	MEM-2900-512MB-DEF	512MB DRAM for Cisco 2901-2921 ISR (Default)
6	MEM-CF-256MB	256MB Compact Flash for Cisco 1900 2900 3900 ISR
7	SL-29-IPB-K9	IP Base License for Cisco 2901-2951
8	SL-29-SEC-K9	Security License for Cisco 2901-2951
9	SM-S-BLANK	Removable faceplate for SM slot on Cisco 290039004400 ISR
10	S29UK9-15403M	Cisco 2901-2921 IOS UNIVERSAL

8. Manageable Switches

Sl. No.	Item of Specification	Particulars of Specifications
1	Brand Model	Cisco Catalyst 2960 24 10/100 + 2 T/SFP LAN Lite Image
2	Specification	SMBS 8X5XNBD Cat 2960 24 10/100 + 2 T/SFP LAN Lite Im
3	Power	AC Power Cord (UK) C13 BS 1363 2.5m

9. Storage Device

Sl. No.	Item of Specification	Particulars of Specifications
1	Brand Model	Any Reputed Brand
2	Specification	Storage with LUN Capacity (24 x 1.2 TB) HDD, Redundant Controller, Redundant Power & Auto Fault Management

10. Online UPS

Sl. No.	Item of Specification	Particulars of Specifications
1	Brand & Model	Any Reputed Brand
2	Capacity	6KVA
3	Country of Origin	Taiwan/China/USA/Any European Country
4	Country of assemble	China or any Country
5	Type	True Online Double Conversion
6	Phase	1 phase and Ground
7	Input Rated Voltage	220/230VAC
8	Input Voltage Range	120VAC-276VAC
9	Input Frequency Range	46 Hz ~ 54 Hz
10	Input Power Factor	>0.99
11	Input Bypass voltage range	Max. Voltage: $\pm 20\%$ Min. voltage: -50%
12	Input ECO range	Same as the bypass
13	Input Harmonic current	<6%(100% nonlinear load)
14	Output Phase	Single Phase and ground
15	Output Rated Voltage	220/230/240VAC
16	Output Power Factor	>0.9
17	Output Voltage precision	$\pm 1\%$
18	Output frequency	Utility mode: $\pm 1\%$, $\pm 2\%$, $\pm 4\%$, $\pm 5\%$, $\pm 10\%$ of the rated frequency Battery Mode: (50 \pm 0.2%) Hz
19	Output Crest Factor	3:01
20	Output Transfer Time	Utility to Battery:0ms, Utility to bypass: 0ms
21	Output Over load Capacity	Load<110%, <125%, last 10min. <150%, last 1min.
22	Output THD	<3%
23	Output Efficiency	ECO Mode>90%; normal mode 89%
24	Battery Voltage	240V DC
25	Backup time	60 min (Comply the bulb test with 3500W)
26	Charge current	1A (standard), Max. 6A
27	Communication Interface	RS232, Optical coupler Dry contact, RS485, SNMP card
28	Operating Temperature	0°C-40°C
29	Operating Humidity	0-95% non condensing
30	Storage Temperature	-25°C~55°C
31	Altitude	<1500m
32	Application standard	CE/EN/IEC-62040-2, EN/EC62040-1-1
33	Warranty	3 years full with battery & service

11. High Speed Document Scanner

Document Feeding: Automatic or Manual
Document Size
Width: 2.0" – 8.5"
Length: 2.8" – 14.0"
Feeder Capacity: 60 Sheets
Grayscale: 8-bit
Color: 24-bit
Light Source: RGB LED
Scanning Element: Contact Image Sensor (CMOS)
Scanning Modes: Color, Grayscale, Black and White
Optical Resolution: 600 dpi
Output Resolution: 100/150/200/240/300/400/600
Scanning Speeds:* Simplex Duplex Black and White: Up to 45 ppm, Up to 90 ipm
Grayscale: Up to 45 ppm, Up to 90 ipm Color: Up to 30 ppm Up to 60 ipm
Interface: Hi-Speed USB 2.0

12.

3 TON AIR-CONDITIONAR MACHINE

Sr. No.	Specification	Description	Unit	LPD36F1AT1
1	Capacity	Cooling	BTU/Hr.	36000
		Compressor	Type	Reciprocating
2	Electricity Rating	Power Supply	Volt/Ph/Hz	380-415/Three/50
		Power Input	Watts	3300
		Running Current	Amps	6/PHASE
3	Performance	EER	BTU/Hr./W	10.91
		Air Circulation(Indoor/Outdoor)	CFM	530/1590
		Moisture Removal	Lt/hr	5
		Noise Level (Indoor/Outdoor)	db	46/59
4	Operation	Panel Display	Type	LCD
		Remote Controller	Type	LCD
5	Features	Tem. Control		Thermostat
		Air Direction		4 Way Deflection
		Energy Saver		√
		Auto Air Swing	Two Way	√
		Speed Setting	Cooling/Fan	√
		Air Discharge		Top
		Auto Restart		√
		Dehumidification		√
		On/Off Timer		√
		Jet cool		√
		Filter Cleaning Indicator		√
6	Filters	Anti-Bacteria Filter		√
7	Dimensions	Width x Height x Depth	Indoor (mm)	500 x 1800 x 320
			Outdoor (mm)	870 x 655 x 322
8	Net weight	Indoor	Kg	40
		Outdoor		72

13. 10 kVA Generator

Tier Rating		Tier 1
Engine Speed (RPM)		1500
Engine Power Output at rated rpm	kWm	9.5
	HP	12.7
Cooling		Radiator Cooled
Aspiration		Natural
Total Displacement	Liter	9.5
No. of Cylinders and Build		3-Inline
Bore and Stroke	mm x mm	77 x 81
Compression Ratio		23:1
Governor		Mechanical
Fuel Consumption (L/hr)	Full Load	3.0
	75% Load	2.3
	50% Load	1.7
Fuel Tank Capacity (Non-UL)	Liter	73 Open / 100 SAE
Oil Capacity	Liter	4.9
Coolant Capacity	Liter	5.2
Radiator Cooling Air	m ³ /min	38

14. TERMINAL/PC

Intel 7th Gen Core i7-7700

Processor-3.6 GHz up to 4.2 GHz Turbo Boost

8 MB cache

4 cores/Intel® H270 Chipset

8GB DDR4 RAM-2400MHz

1TB SATA-7200rpm HDD

DVD+/-RW Drive

HD 630 Graphics

18.5" Monitor

USB Optical Mouse

USB Keyboard

Internal Speaker

3 year Warranty