

Addendum Blade Chassis Specifications: For TEQIP TENDER

Chassis of atleast 9U height to accommodate min 14 hot pluggable half height blades or 8 full-height blades with SAS hard disks/8 hot pluggable full height servers with hot plug SAS hard disks.

Minimum 6 I/O bays with minimum 3 fabric support. Shall provide common resources for the Blade Servers like power, System Management, Cabling, Ethernet Management and extension, External fiber Channel Storage switching and connectivity. Chassis with all redundancy features.

High-Availability Dual Path Midplane or passive midplane for providing two-way communication paths for Ethernet, Fiber Channel, KVM Switches, Power Supply and Management Signals and should be able to support with minimum throughput of 5 Tb/s

Two Nos of Gigabit Layer 2 /3 Ethernet Switch Module with minimum 4 up-link ports each. The switches shall have internal ports for communication to all the blades populated in the Blade Chassis. Internal switches shall have optional 10GbE uplinks &/or stacking connectors. Optional support for 10G and Infiniband switch modules

Dual redundant management modules to communicate with the system management processors on the blade server. The Management Modules shall be capable of providing KVM Connectivity for the Blade servers housed inside the chassis, Real time, actual power cons.Status/Inventory/Alerting for Blades, Chassis Infrastructure, & IOMs;Centralized Configuration;GUI & CLI;SSL/SSH ;Power/Thermal Monitoring;Dynamic power engagement;Temperature monitoring;Persistent WWN/MAC---Should allow locking a WWN/MAC address into a specific blade slot.

Dual hot swap variable speed blowers/fans for Cooling the chassis fully redundant and all populated

Power Supplies shall be hot swappable and shall be supplied in adequate numbers so as to ensure n+n redundant power supply is there for completely populated chassis sufficient to power the fully populated chassis.

Shall provide support for remote console management, power on/off blades, modules shall monitor power status, operating system, temperature, disks, blowers, power modules system diagnostic programs provided through the management s/w.Real Time Power/Thermal Monitoring and Management

Real Time System AC Power Consumption with reset-able peak and minimum values System level power limiting and slot based power prioritization

Interactive LCD/LED panel for local trouble shooting & wizard based set up.Control panel display to show health of the systems including power-on, over temperature ,other information and system error conditions.

The chassis should support intermixing of x86 and x64 processor based blade servers

Front VGA & 2 USB ports for KVM and a DVD-ROM drive

5 years onsite warranty by OEM

1U Rack mountable 19 inch monitor (From SAME OEM of Server) Keyboard -- Rack mounted keyboard with Integrated mouse functionality (From SAME OEM of Server)

Corrigenda of Blade Server Specifications: For TEQIP TENDER

Number of Blades : 6

2 x 600 GB H/S 6 Gb/s SAS Hard Disk Drives configured in RAID 1 should be provide instead of 2 x 300 GB

Addendum UPS Specifications: For TEQIP TENDER

10 KVA On Line UPS Input 230V / Output 230V, Interface Port DB-9 RS-232, SmartSlot, Extended runtime model, Rack Height 3 U

Technical Specification

UPS Toplogy	Double Conversion On-Line
Power Rating (VA / Watts)	10000VA / 8000W
Form Factor	Rack/Tower
Output parameter	
Output Power Capacity	8000 Watts /10 kVA
Nominal Output Voltage	230V
Output Voltage Note	Configurable for 220 : 230 or 240 nominal output voltage
Efficiency at Full Load	90.00%
Output Voltage Distortion	Less than 3%
Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz user adjustable +/- 0.1
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 3-wire (H N + G)
Bypass	Built-in Bypass
Input Parameter	
Nominal Input Voltage	230V
Input Frequency	40 - 70 Hz (auto sensing)
Input Connections	Hard Wire 3 wire (1PH+N+G)
Input voltage range for main operations	160 - 280V
Input voltage adjustable range for mains operation	100 - 280V
Other Input Voltages	220,240
Maximum Input Current	60A
Input Breaker Capacity	63.0 A

Communications & Management

Interface Port(s)	DB-9 RS-232,SmartSlot
Available SmartSlot™ Interface Quantity	1
Control panel	
Audible Alarm	Alarm when on battery : distinctive low battery alarm : overload alarm
Emergency Power Off (EPO)	Optional

Conformance

Regulatory Approvals	EN 60950,EN/IEC 62040-2
Standard Warranty	2 years repair or replace on site warranties including battery.
Environmental Compliance Quality	RoHS 7b Exemption,REACH: Contains No SVHCs ISO 9001, ISO 14001, OHSAS 18001

120 Min Battery Back up

Battery Type	Maintenance - free sealed Lead-Acid battery with suspended electrolyte : Leakproof.
Nos. of Battery	20 Nos. 12V X 100ah
Battery Make	Rocket / Quanta / Exide
Total VAH	24000

With Battery rack & Inter connecting cable

5 KVA On-Line UPS, 3500 Watts / 5000 VA, Input 230V / Output 230V , Interface Port DB-9 RS-232, SmartSlot , Extended runtime model , Rack Height 2 U

Technical Specification

UPS Toplogy	Double Conversion On-Line
Power Rating (VA / Watts)	3500 Watts /5000 VA
Form Factor	Rack/Tower
	Output parameter
Output Power Capacity	3500 Watts /5000 VA
Max Configurable Power	3500 Watts / 5000 VA
Nominal Output Voltage	230V
Output Voltage Note	Configurable for 220 : 230 or 240 nominal output voltage
Efficiency at Full Load	90.00%
Output Voltage Distortion	Less than 3%
Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz user adjustable +/- 0.1
Other Output Voltages	220,240
Crest Factor	3:01
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 3-wire (H N + G)
Bypass	Built-in Bypass

Input Parameter

Nominal Input Voltage	230V
Input Frequency	50/60 Hz +/- 5 Hz (auto sensing)
Input Connections	Hard Wire 3 wire (1PH+N+G)
Input voltage range for main operations	160 - 280V
Input voltage adjustable range for mains operation	100 - 280V
Other Input Voltages	220,240
Maximum Input Current	37A
Input Breaker Capacity	40.0 A
Input Total Harmonic Distortion	Less than 9% for full load

Communications & Management

Interface Port(s)	DB-9 RS-232,SmartSlot
Available SmartSlot™ Interface Quan	Minimum 1
Control panel, Audible Alarm	

Conformance

Regulatory Approvals	EN 60950,EN/IEC 62040-2
Standard Warranty	2 years on site comprehensive warranty including battery.

Environmental Compliance Quality	RoHS 7b Exemption,REACH: Contains No SVHCs ISO 9001, ISO 14001, OHSAS 18001
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120 Min Battery Back up

Battery Type	Maintenance - free sealed Lead-Acid battery with suspended electrolyte : Leakproof.
Nos. of Battery	16 Nos. 12V X 65ah
Battery Make	Rocket / Quanta / Exide
Total VAH	12480

With Battery rack & Inter connecting cable

Addendum Server Rack Specifications: For TEQIP TENDER

42U/800mmW/1000mmD CYBERACK

1	APW Enclosure, 800mmW CYBERACK 42U / 1000mmD (CRCA Steel Frame with Alumunium Profiles & 2 Nos. of Removable Side Panels with following items: - Top cover with cable entry -1no. - Bottom cover with cable entry -1no. - 19" Mounting Angles – 2 pairs. ,Finish : Powder coated to 80 microns;Matt finish. colour : BLACK with Vertical Reducing Cable Channel and Loops (100mmW / 42U H), Load rating capacity -- 500 kgs.)	No.	1
2	Front Tinted Glass Door 800W 42U Vented with lock	No.	1
3	Rear Steel Door 800W 42U Fully Perforated with lock	No.	1
Accessories			
4	Castor Tyreman, 2 * Without & 2*With FT Brake	Set	1
5	Cable Manager 1U 19" mtg. with steel loop	No.	1
6	Fan Housing Unit with Four Fans 230 VAC 90 CFM	Sets	1
7	Shelf Heavy Duty 725mm / 600W	No.	1
8	Keyboard Tray for 1000mmd + Slides	No.	1
9	AC Distribution Chnl. Vertical Octagonal (8 x 5/15 Amp.) 15 Amp Top with MCB	No.	1
10	Hard Ware Front Pnl. (20 nos. / Pkt.)	Pkts.	1