

Item	Specifications		Statement of Compliance
1	Intelligent Server Rack (1 unit)		
	Physical	<ul style="list-style-type: none"> • Rack dimension (height x width x depth, mm) - 42U (2000 x 600 x 1200) • With front glass and rear glass • At least 29U (rack unit) usable space • Mounting depth of equipment (mm) 721.5 mm • Can accommodate up to 3kW equipment load • Voltage (Vac) single-phase, 198Vac ~ 254Vac • Closed mode (integrated with cold and hot aisle containment) • IPX5 System Grade Protection • Weight < 300kg 	
	Performance	<ul style="list-style-type: none"> • Single-rack Integrated System complete with rack support, power, cooling and monitoring • Dust-proof and noise reduction, high efficiency and energy saving: totally enclosed operation and internal cycle system ensure purity, temperature and humidity • Includes a dedicated high efficient UPS, a precision air conditioner and an embedded fan system with mute design • Includes centralized intelligent monitoring platform and control functions such as integrated environment monitoring, device monitoring, alarm linkage, etc. • Integrated 9" touch panel LCD wide screen display that allows remote monitoring, shows device operation, alarm and other safety information 	
Features and Scalability	<p>Power Supply and Distribution</p> <ul style="list-style-type: none"> • PMU - a system of breakers designed to manage power distribution and surge protection. Input power is delivered at site only to the PMU and all electrical wiring to all components within the integrated rack system is factory-installed. It includes the following features and connections: <ul style="list-style-type: none"> ▪ 1 x Main power input ▪ 1 x Maintenance Bypass for UPS ▪ 1 x UPS input, 1 x UPS output ▪ 1 x Cooling unit output ▪ 2 x 32A for 2 x PDU ▪ 1 x DC output • UPS - an In-rack long back up model with capacity of 5kVA/5kW supporting for 3kW IT load and precision cooling. Standard Power Systems specifications are: <ul style="list-style-type: none"> ▪ UPS IGBT rectifier ▪ UPS On-line double conversion ▪ UPS Input Power Factor Single-phase >0.99 ▪ UPS Input frequency range 40Hz to 70Hz 		

		<ul style="list-style-type: none"> ▪ UPS Input voltage range single-phase, 176VAC to 288VAC at full 5KW load, 115VAC to 288VAC at 3KW load. ▪ UPS Output Rated Voltage Single-phase, 220/230/240VAC ▪ UPS Input Rate Voltage 220/230/240VAC, 2-wire + GND ▪ UPS conforms to IEC/EN62040-1-1; EMC IEC / EN 62040-2, IEC / EN61000-3-11, IEC / EN61000-3-12, YD / T1095-2008; Surge Protection IEC / EN 61000-4-5; Protection Level IP20 ▪ UPS dimensions 85mm (2U) x 430mm x 480mm and weight 11kg ▪ Battery system in-rack: sealed, non-spillage, maintenance-free lead-acid battery ▪ Battery charging capability - < 3hrs for recharging to 90% capacity (standard mode) ▪ Battery External cabinet dimensions 85 (2U) x 430 x 708.7, weight 50 kg per unit ▪ Standard 1 unit of external battery cabinet mounted in-rack, for 10 minutes runtime • Power Distribution Unit(s) - configured with Switch model PDU, which can turn on/off output ports intelligently and detect input and output electric quantity parameters. Standard PDU specifications are: <ul style="list-style-type: none"> ▪ 2 x Switch PDU 24 way(s) ▪ 18 x C13 + 6 x C19 • LED auxiliary lighting <p>Cooling System</p> <ul style="list-style-type: none"> • Air Conditioner - functions to cool the electronic devices inside the cabinet actively. Small-sized precision environmental control system, using advanced frequency conversion technology, specially designed for the cooling of electronic devices, with high energy efficiency ratio and automatic adjustment. Standard specifications are: <ul style="list-style-type: none"> ▪ Indoor evaporator and fan built-in within rack system ▪ Available Cooling Capacity 3.0 kilowatt ▪ Energy efficient Max of 1.5 kilowatt power input ▪ Frequency range 47~63Hz ▪ Max 7A operating current • Emergency Ventilation Fan System - Prevents high temperature partially inside the cabinet in the event of cooling system failure. An emergency device that can start up automatically when over temperature occurs inside the cabinet or the air conditioner shuts down or fails, to prevent the devices from operating in high temperature. When the system is operating normally, the emergency ventilation kit is off, 	
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		<p>to ensure airtight environment in the system and high efficiency cooling of the air conditioner. Every fan module must contain at least 3x fan units.</p> <p>Monitoring</p> <ul style="list-style-type: none"> • Integrated device that can monitor the system state of intelligent devices, record alarm events, and notify the user of the intelligent device alarms through email or SMS mode. This device also sets operating parameters and view device states through the embedded Web HMI and can send the states of the monitored intelligent devices to the network management software (NMS) through SNMP protocol mode. Monitoring includes features as follows: <ul style="list-style-type: none"> ▪ Alarm Management ▪ Data Log History ▪ Device Management 	
	<p>Warranty</p>	<ul style="list-style-type: none"> • Total of five (5) years on parts and labor and service • 24x7 phone support • On site troubleshooting with one preventive maintenance visit on the first year and twice visit on the remaining years (all 8x5 business hours only) per year for five (5) years • Must have a technical support Toll-Free number for technical assistance within working hours and should be operational and functional for at least within the warranty period. • The winning bidder shall be responsible for all cost related service support that will address hardware problems for duration of the warranty. • Bidder must provide procedure on support and problem escalation 	
	<p>Site Works</p>	<ul style="list-style-type: none"> • Bidder must deliver the racks directly to PEZA-Mactan Economic Zone site • Bidder must supply and install necessary materials for the electrical, mechanical and re-termination of existing cable works. • Bidder must provide support to PEZA-Mactan Economic Zone during the relocation / mounting of IT equipment to the integrated rack • Bidder must provide a comprehensive training with Certificate to PEZA-Mactan Economic Zone personnel • Bidder must have the following regular and locally based employees with certification of employment. <ul style="list-style-type: none"> a. One Project Manager b. Two certified engineer for the proposed product. • Must have a Service Desk Support System in place to accommodate PEZA-MEZ technical request. <ul style="list-style-type: none"> a. Service Desk system will provide ticket for 	

		<p>each technical request or issues and will provide continues status and report until the resolution.</p> <p>b. Service desk must be available 24x7 including Saturday, Sunday and Holidays</p> <ul style="list-style-type: none"> - Phone support - 30 Mins. - On-Site response – 2- 4 Hours 	
	<p>Bidders Qualification:</p> <p>Certification</p>	<ul style="list-style-type: none"> • Bidder must be a certified technology partner of the manufacturer for Intelligent Server Rack technology with valid certification • Bidder must have at least two (2) employees who undergone training certification from the manufacturer specific for the technology of Intelligent Server Rack with valid certification • A Manufacturer's Certificate must be provided which states that the equipment being offered is assembled and manufactured by the manufacturer. • Manufacturer of the Intelligent Server Rack must have local office with technical support engineers to assist and support PEZA-MEZ • Certification from the manufacturer or distributor stating that they will provide technical support to the bidder and client 	
	Delivery Period	Ninety (90) calendar days	

Prepared by:

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