



**Comparative Statement**  
**SLA Data Center for City Campus**  
**Tender # IT/10/19-20**

Item No.	Requirements	Compliant Yes / No	M/s.Computer Marketing Company (Pvt.) Ltd	M/s.Jaffer Business Systems (Pvt.) Ltd
			Price	Price
	<b>Regular Preventive Maintenance for the following Data Center Equipment and components:</b>			
1	26 TR PACU Liebert DS Precision cooling, air cooled unit, down blast, parallel redundant setup (2 units)	Yes	50,000.00	1,466,666.00
2	Emerson 120 KVA UPS with 40 external batteries.			1,764,444.00
3	19 Commscope Racks with 38 Altasun Power Distribution Units(PDUs)			422,218.00
4	Closed-Circuit Television (CCTV) Control System (Model			59,994.00
	3 MP, IP CMOS camera (Total :18 cameras)			
5	Biometric Access Control System (KiKO Brand) Biometric and Proximity (10 units) including software and 40 " two I.CDs.			55,560.00
6	Raised Floor System			172,221.00
7	HSSD System.			833,333.00
8	Complete Electric System.			944,445.00
9	Civil work including, Paint work, Door Paint, NOC Furniture etc.			222,222.00
10	The Service Provider shall render maintenance service from the notification date for the following Equipment and components.			
1	<b>Power Components</b>			
	1.1 Testing of Circuit breakers and switches.	Yes	933,000.00	Price Quoted in line item NO 8
	1.2 performs load balancing to prevent power overload and other power issue.			
	1.2.1 Study the load during the actual operation			
	1.2.2 Determine the unbalance phase load			
	1.2.3 Monitor the balanced current load			
	1.2.4 Transfer / reconfigure load to balance the phase load			
	1.3 Calibration of protective relays.			
	1.4 Perform Megger Testing			
	1.5 Identification of potential electrical problems			
	1.6 Survey and identify of high temperature excursions			
	1.7 Switchgear cleaning and inspection			
	1.8 Cleaning and tightening of all electrical connections and equipment enclosures.			
	1.9 Replacement of lighting fixture.			
	1.10 Replacement of defective power outlets and related components.			
	1.11 Updating of as-built documentation.			
	1.12 Checking of electrical connection for all DC components such as PACU, UPS, Generator Set, ATS, Fire Suppression System, Access control, Video Surveillance and HSSD detector.			
2	<b>Commscope Racks with Altasun Power Distribution Units(PDUs):</b>			
	2.1 Surface cleaning.	Yes	209,150.00	Price Quoted in line item NO 3
	2.2 Check for possible defective of worn out power strips replace if necessary.			
	2.3 Check for possible defective or worn out accessories such as axial fan and door lock. Replace if necessary.			
	2.4 Provision for additional cable organizer, hooks, latch straps and pull out shelf.			
	2.5 Visual inspection of all parts of data cabinet including panels, door, rack mounting rail, caser, rack connector, cable routing panel and cantilever arm.			
	2.6 Ensure the ventilation is sufficient to cope with the heat dissipated by equipment's inside the data cabinet.			
	2.7 Checking of mounting nuts, adapter, brackets, and multifunction strut.			
	2.8 Cable harnessing.			
3	<b>Emerson Uninterruptible Power Supply (UPS):</b>			

  
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Item No.	Requirements	Compliant Yes / No	Price	Price
	3.1 Periodic monthly maintenance services for the UPS unit and battery system to be performed on a mutually agreed schedule.	Yes	1,094,153.00	Price Quoted in line item NO 2
	3.2 All the necessary spare parts or consumable items to maintain the US must be allotted from stock inventory.			
	3.3 Conduct on-site inspection of the equipment and check the integrity of any electrified hinges or similar power-transfer devices.			
	3.4 Replace batteries as necessary.			
	3.5 Check current UPS installation condition. Installation should be in accordance with the manufacturer's guideline and wiring regulations.			
	3.6 Perform appropriate preventive measures to keep the UPS in good and running condition and ensure that ventilation is capable of maintaining the DC within recommended ambient temperature and humidity.			
	3.7 Perform power failure simulation to check charging and discharging capacity of battery.			
4	<b>Emerson Precision Air Conditioning Unit (PACU):</b>			
	4.1 inspection and regular preventive maintenance of PACU units and ensure that it is working on optimum level.	Yes	1,430,954.00	Price Quoted in line item NO 1
	4.2 Check and replace worn-out parts including filters, fan belts and other consumable components.			
5	<b>Raised Floor System :</b>			
	5.1 Solid and perforated panel rotation for even wear	Yes	229,000.00	Price Quoted in line item NO 6
	5.2 Under Structure adjustments			
	5.3 Replacement of warped panels			
	5.4 Refurbish delaminated panels			
	5.5 Sub-micron filter vacuuming			
	5.6 Sealant applied to sub flooring			
	5.7 Spot cleaning to remove stains			
	5.9 Professional surface cleaning			
	5.10 Detail cleaning of entry points			
6	<b>Samsung Brand Surveillance System</b>			
	6.1 Check cameras in accordance with the specification and any amendment.	Yes	257,890.00	Price Quoted in line item NO 4
	6.2 Check indicator lamps condition.			
	6.3 Check all cables and conduit are properly supported undamaged and showing no signs of wear.			
	6.4 check the picture quality of each camera and correct monitor selection.			
	6.5 Cleaning of camera's housings and lenses.			
	6.6 check camera functions and movement and fields of view are free obstruction.			
	6.7 Check camera functions and movement and fields of view are free form obstruction.			
	6.8 Check if the NVR and DVR are recording properly.			
	6.9 Check the status of the storage if it reaches the maximum capacity.			
	6.10 Check communication and recording of all IP cameras with the NVR.			
	6.11 Check all control equipment's are up and running condition.			
	6.12 provision of spares of IP-based surveillance system as per installed model.			
7	<b>Keico Brand Access Control System.</b>			
	7.1 Maintenance and version updates of access control management software.	Yes	151,900.00	Price Quoted in line item NO 5
	7.2 Cleaning and maintenance inspection of the access control units including its peripherals such as the Door electromagnetic locks			
	7.3 Maintenance of Push-to-exit buttons			
8	<b>Date Center Civil Maintenance Work</b>			
	8.1 Complete Paint work of all Data Center area Including Doors.	Yes	733,333.00	Price Quoted in line item NO 9
	8.2 Repair and maintenance of NOC Furniture			
9	<b>Resident Engineers (Seven)</b>			


  
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Item No.	Requirements	Compliant Yes / No	Price	Price
	<p>Data Center RE's should be responsible for monitoring of all Server Room hardware equipment.</p> <p>•Operate, monitor, maintain, and respond to abnormal conditions in facilities systems. Areas include: Electrical, Mechanical and Building Monitoring and Control.</p> <p>•Should have a good understanding of all technicalities. It will be helpful in identifying the errors and also monitoring the occurrences related to data center tasks, which shall have to be resolved as quickly as possible.</p> <p>•Maintain a record to keep track of all the events and logs to facilitate in submitting timely reports to the superiors.</p> <p>•Ability to communicate intelligently and effectively with contractors who perform maintenance or upgrade work on these systems.</p> <p>•Learn quickly and address issues as they arise during normal working hours or when on call.</p> <p>•Understand the Data Center environment and excel in customer service.</p> <p>•Ability to learn quickly, works autonomously, and addresses any issues that arise day or night.</p> <p>•A willingness to provide on-call support in case of emergencies or other off hours issues at the facilities</p> <p>•Strong verbal and written interpersonal skills.</p> <p>•Be open to all shifts.</p>	Yes	2,909,804.00	2,613,333.00
Grand Total			Rs. 7,999,184.00	Rs. 8,554,436.00
SST			Rs. 1,039,894.00	Rs. 1,112,077.00
Grand Total Amount			Rs. 9,039,078.00	Rs. 9,666,513.00

  
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