## ADDENDUM FOR BID NUMBER ICT/006/2020 - TENDER FOR PROCUREMENT OF IT INFRASTRUCTURE SOLUTION FOR THE JOHANNESBURG SOCIAL HOUSING

The purpose of this addendum is to replace pages 17 -21 as in the Bid document with the amended pages 17 until 21 (as attached herein):

#### Pages 17 to 21 of the advertised bid document reads as follows:

#### 1. SCOPE OF WORKS

The scope of work is outlined in detail in the Solution Specifications and consists of:

- HARWARE and SOFTWARE: The provision of the requisite Hardware and Software for the IT Infrastructure solution (upgrade the production and build Disaster Recovery)
- **INSTALLATION AND CONFIGURATION:** Complete end-to-end configuration and installation of the IT infrastructure system.
- PRODUCTION, UPGRADE, CLEANUP AND ARCHIVE: Cleanup current environment and archive current data
- **SUPPORT AND MAINTENANCE:** The provision of supplied Hardware and Software maintenance and support for a period of maximum of 5 years.
- **TRAINING:** The provision of training for maximum of technical delegates.

See Figure 1 Below, for high level solution overview.

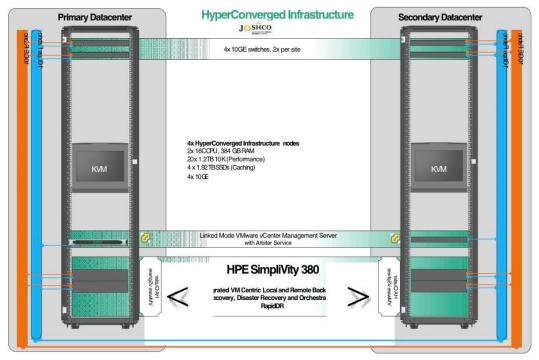


Figure 1: Logical Diagram

### 2. TECHNICAL SPECIFICATION

# 2.1. Technical Specifications (Minimum)2.1.1. Disaster Recovery (DR) Site

	Infrastructure DR	Comply (Yes/No)
Qty	Product Description	
	42U Rack	
1	42U 600mmx1075mm G2 Kitted Advanced Shock Rack with Side Panels and Baying	
1	Factory Express Base Racking Service	
1	6ft Qty 8 KVM CAT5 Cable	
2	G2 Basic 7.3kVA/60309 3-wire 32A/230V Outlets (20) C13/Vertical INTL PDU	
1	LCD8500 1U INTL Rackmount Console Kit	
1	KVM Console USB 8-pack Interface Adapter	
1	600mm Rack Stabilizer Kit	
1	600mm Rack include with Complete System Stabilizer Kit	
	Hyperconverged Nodes DR	
2	SimpliVity 380 Gen10 SFF H Node	
2	Xeon-Gold 5218 FIO Processor Kit for ProLiant DL380 Gen10	
2	Xeon-Gold 5218 Processor Kit for ProLiant DL380 Gen10	
4	SimpliVity 192G (6x32G) RDIMM Kit	
4	300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	
2	SimpliVity 1.2TB SAS 12G SFF (2.5in) 20-pack HDD	
2	SimpliVity 1.92T SATA MU SFF 4pk SSD	
2	DL38X Gen10 12Gb SAS Expander Card Kit with Cables	

2	Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
2	96W Smart Storage Lithium-ion Battery with 145mm Cable Kit
2	Smart Array P408i-a SR Gen10 (8 Internal Lanes/2GB Cache) 12G SAS Modular Controller
2	Factory Integrated
2	Ethernet 10/25Gb 2-port FLR-SFP28 BCM57414 Adapter
4	1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
2	iLO Advanced 1-server License with 3yr Support on iLO Licensed Features
2	Factory Integrated
2	SimpliVity 380 H 2 Processors 20TB Software
2	2U Cable Management Arm for Easy Install Rail Kit
2	Gen10 2U Bezel Kit
2	DL380 Gen10 SFF Systems Insight Display Kit
2	2U Small Form Factor Easy Install Rail Kit
2	DL380 Gen10 High Performance Heat Sink Kit
	Management Hosts DR
1	ProLiant DL360 Gen10 Configure-to-order Server
1	DL360 Gen10 CTO Server
1	Xeon-Silver 4210 (2.2GHz/10-core/85W) FIO Processor Kit for ProLiant DL380 Gen10
1	Xeon-Silver 4210 (2.2GHz/10-core/85W) Processor Kit for ProLiant DL380 Gen10
2	32GB (1x32GB) Dual Rank x4 DDR4-2933 CAS-21-21-21 Registered Smart Memory Kit

2	300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD
1	Ethernet 10Gb 2-port SFP+ 57810S Adapter
1	96W Smart Storage Lithium-ion Battery with 145mm Cable Kit
1	Smart Array P816i-a SR Gen10 (16 Internal Lanes/4GB Cache/SmartCache) 12G SAS Modular Controller
1	"Smart Array P408e-p SR Gen10 (8 External Lanes/4GB Cache) 12G SAS PCIe Plug-in Controller
1	Ethernet 10/25Gb 2-port FLR-SFP28 BCM57414 Adapter
2	1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
1	iLO Advanced 1-server License with 3yr Support on iLO Licensed Features
1	OneView w/o iLO including 3yr 24x7 Support 1-server FIO LTU
1	2U Large Form Factor Easy Install Rail Kit
	Redundant Top of Rack Switches DR
2	SN2410M 25GbE 24SFP28 4QSFP28 Switch
2	BladeSystem c-Class 10Gb SFP+ SR Transceiver
4	X120 1G SFP RJ45 T Transceiver
2	Network Orchestrator E-LTU
4	25Gb SFP28 to SFP28 3m Direct Attach Copper Cable
2	X240 100G QSFP28 to QSFP28 1m Direct Attach Copper Cable
1	Installation SVC
1	Rack and Rack Options Install SVC
1	Inside Unpack/Clean Up w/Lift XL SVC
	Virtualisation Software (DR)

1	VMware vCenter Server Standard for vSphere (per Instance) 3yr Software	
4	VMware vSphere Standard 1 Processor 3yr E-LTU	
	Proactive Care Support and Hardware startup services	
1	3Y Proactive Care 24x7 SVC	
3	iLO Advanced Non Blade Support	
1	DL36x Gen10 Support	
1	One View w/o Ilo Support	
2	SVT 380 Gen10 Node (1 Node) Support	
2	SimpliVity 380 H 2P 20TB SW Support	
4	VMw vSphere Std 1P 3yr SW Support	
2	SN2410M Storage Switch Support	
2	Network Orchstrtor SW-6 Support	
1	Technical Installation Startup SVC	
1	Installation and Startup Service	
2	SVT for VMware Remote SW St SVC	
1	Startup 300 Series OS SVC	
2	Simplivity 380 HW Startup SVC	
2	M-series Ethernet Switch Startup SVC	

#### 2.1.2. Upgrade Current Production Host

- Memory upgrade for current server Serial number JKF981200033, from 128GB to 256GB
- Upgrade internal hard drives for data storage, for exchange, for applications databases. 2TB HDD for OS setup as RAID 1. And 40TB setup as RAID 5 for VM's.

- Upgrade processor to what is available on the market for the generation.
- Power inverter for server.

2.1.3. Training Consulting and Deployment Services

IMPLEMENTATION SERV	ICES	COMPLY (YES/NO)
solution (Test, sign-off of Solution design.  - Hardware design (Hardware design) - Virtualisation Design - Solution Installation and Solution and backure of the Solution and backure of the Solution and backure of the Solution and Solution	HyperConverged Hardware, Simplivity ork).  In.  Id Configuration  Ind start up services for Hyperconverged  Ip as per the design.  Intion and configuration as per the design.  Intion of the new DR  In current Production environment to the  Incompared to the services of the design.  In current Production environment to the  Incompared to the services of the design.  In current Production environment to the control of the services of the design.	
Training	<ul> <li>Classroom administrator training on the Virtualisation Solution for maximum of resources</li> <li>Classroom Hyperconverged Solution training for maximum of resources</li> </ul>	

#### 3. RACK AND POWER CALCULATIONS

Bidders must provide Power and Cooling Requirements for the entire solution. Details must include:

- Power Consumption
- Cooling Requirements
- VA Rating
- Current Draw
- Maximum Weight
- Height

#### 4. DURATION OF THE CONTRACT

The Contract will be for a period not exceeding 5 years from signing of the contract with the successful service providers.

#### THE ABOVE PAGES MUST BE REPLACED WITH THE BELOW PAGE NUMBERS:

#### 1. SCOPE OF WORKS

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- HARWARE and SOFTWARE: The provision of the requisite Hardware and Software for the IT Infrastructure solution (upgrade the production and build Disaster Recovery)
- **INSTALLATION AND CONFIGURATION:** Complete end-to-end configuration and installation of the IT infrastructure system.
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- **SUPPORT AND MAINTENANCE:** The provision of supplied Hardware and Software maintenance and support for a period of maximum of 5 years.
- **TRAINING:** The provision of training for maximum of technical delegates.
- **SOLUTION DESIGN:** Provide high level solution design

#### 2. TECHNICAL SPECIFICATION

a. Technical Specifications (Minimum)

#### 2.1. Disaster Recovery (DR) Site

Infrastructure DR		Comply (Yes/No)
Qty	Product Description	
	42U Rack	
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1	Rackmount Console Kit	
1	KVM Console USB 8-pack Interface Adapter	
1	600mm Rack Stabilizer Kit	
1	600mm Rack include with Complete System Stabilizer Kit	

	Nodes DR
2	Node
2	Xeon-Gold 5218 FIO Processor Kit for ProLiant
2	Xeon-Gold 5218 Processor Kit for ProLiant
4	192G (6x32G) RDIMM Kit
4	300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD
2	12Gb SAS Expander Card Kit with Cables
2	Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
2	96W Smart Storage Lithium-ion Battery with 145mm Cable Kit
2	Smart Array (8 Internal Lanes/2GB Cache) 12G SAS Modular Controller
2	Factory Integrated
2	Ethernet 10/25Gb 2-port Adapter
4	1600W Power Supply Kit
2	Advanced 1-server License with 3yr Support on Licensed Features
2	Factory Integrated
2	Processors 20TB Software
2	2U Cable Management Arm for Easy Install Rail Kit
2	Systems Insight Display Kit
2	2U Small Form Factor Easy Install Rail Kit
2	High Performance Heat Sink Kit
	Management Hosts DR
1	Configure-to-order Server
1	Server

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1	Xeon-Silver 4210 (2.2GHz/10-core/85W) Processor Kit
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1	Ethernet 10Gb Adapter
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1	Ethernet 10/25Gb 2-port Adapter
2	1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
1	Advanced 1-server License with 3yr Support on Licensed Features
1	OneView w/o including 3yr 24x7 Support 1-server
1	2U Large Form Factor Easy Install Rail Kit
	Redundant Top of Rack Switches DR
2	Switch
2	BladeSystem c-Class 10Gb Transceiver
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4	25Gb Direct Attach Copper Cable
1	Rack and Rack Options Install SVC
1	Inside Unpack/Clean Up
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1	Licensed vCenter Server Standard for vSphere (per Instance) 3yr Software
4	Licensed vSphere Standard 1 Processor 3yr E-LTU
	Proactive Care Support and Hardware startup services
1	3Y Proactive Care 24x7 SVC
3	Advanced Non-Blade Support
1	Support
1	One View w/o Support
2	Node (1 Node) Support
2	20TB SW Support
4	Licensed vSphere Std 1P 3yr SW Support
2	Storage Switch Support
2	Network Orchstrtor SW-6 Support
1	Technical Installation Startup
1	Installation and Startup Service
2	Remote
1	Startup 300 Series OS
2	Startup
2	M-series Ethernet Switch Startup SVC

#### 2.2. Upgrade Current Production Host

- Memory upgrade for current server Serial number JKF981200033, from 128GB to 256GB
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- Upgrade processor to what is available on the market for the generation.
- Power inverter for server.

2.2.1. Training Consulting and Deployment Services

IMPLEMENTATION SERV	ICES with Complete documentation of the	COMPLY (YES/NO)
<ul> <li>solution (Test, sign-off of Solution design.</li> <li>Hardware design (Hardware design)</li> <li>Virtualisation Design</li> <li>Solution Installation and Solution and backuters</li> <li>Virtualisation installation and backuters</li> <li>Virtualisation installation (5TE environment)</li> <li>P2V migrations from new environment (</li> </ul>	HyperConverged Hardware, Simplivity ork).  a. d Configuration and start up services for Hyperconverged p as per the design.  ation and configuration as per the design.  B), from current platform to the new DR	
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