

## ***Section VII. Technical Specifications***

## I. TECHNICAL SPECIFICATIONS:

Important: In case of partial bid, kindly put an [x] mark in the box corresponding to each preferred lot number.

ITEM NO./ DESCRIPTION	MINIMUM SPECIFICATIONS	QUANTITY	STATEMENT OF COMPLIANCE
<b>1. Hotplug Redundant Power Supply:</b>			
One (1) piece for the current HPE DL360 Gen9 E5-2630v4 1P 16G 8SFF Svr power supply with S/N: CN782600GS	One piece power supply: input: 100-240V, 50-60Hz, 9.4-4.5A output: +12V, 66,7A Max, 800W Max	<b>1</b>	
Two (2) pieces for the current HP Proliant DL60 Server power supply with S/N: UMRCZHFX	Two pieces power supply: Input: 100V -120V, 50/60Hz 7A, 200V-240V, 50/60Hz 7A Output: 380Vdc, 2.5A Max, 3,3Vdc 0.1A Max, 100V - 120V - 550W Max, 200V-240V - 950W Max	<b>2</b>	
Warranty	At least one (1) Year Warranty		
<b>2. Server Memory</b>		<b>3</b>	
For the current HPE DL360 Gen9 E5-2630v4 1P 16G 8SFF Svr with S/N: CN782600GS, CN782600GR	2X16gb 1rx4 pc4-2400t		
Warranty	At least one (1) Year Warranty		
<b>3. PoE Managed Switch</b>		<b>2</b>	
Port	At least 48-port 10/100/1000 Mbps switch Managed		
POE	At least 48-ports POE switch		
Port	10G SFP (x2)		
Layer	At least Layer 2 Switch, Manageable		
Patch Cable	At least 1 meter fiber optic patch cable with 10G SFP connector (x2)		
Warranty	At least one (1) Year Warranty		

ITEM NO./ DESCRIPTION	MINIMUM SPECIFICATIONS	QUANTITY	STATEMENT OF COMPLIANCE
<b>4. Mini Bullet IP Camera</b>		<b>20</b>	
	At least 2MP Network IR Fixed Bullet Camera		
Sensor:	1/2.8", 2.0 megapixel, progressive scan, CMOS		
Lens:	2.8mm@F1.6		
Shutter:	Auto/Manual, 1~1/100000s		
Minimum Illumination:	Minimum Illumination		
Day/Night:	IR-cut filter with auto switch (ICR)		
Digital noise Reduction:	2D/3D DNR		
IR Range:	Up to 30m (98ft) IR range		
Video Compression:	Ultra 265, H.264, M JPEG		
Frame Rate:			
Main Stream:	2MP (1920*1080), Max 30fps;		
Sub Stream:	2MP (1920*1080), Max 30fps;		
Third Stream:	D1 (720*576), Max 30fps		
H.264 code profile:	Baseline profile, Main Profile, High Profile		
Network:	At least 1 RJ45 10M/100M Base-TX Ethernet		
Power	DC 12V±25%, PoE (IEEE 802.3af), Power consumption: Max 4W		
Compatible Integration:	ONVIF (Profile S, Profile G, Profile T), API		
Compatibility:	IP camera must be compatible with the existing Network Video Recorder (Uniview NVR516-128).		
Warranty	At least one (1) Year Warranty		

ITEM NO./ DESCRIPTION	MINIMUM SPECIFICATIONS	QUANTITY	STATEMENT OF COMPLIANCE
<b>5. Dome IP Camera</b>		<b>20</b>	
	At least 2MP Network IR Fixed Dome Camera		
Sensor:	1/2.8", 2.0 megapixel, progressive scan, CMOS		
Lens:	2.8mm@F1.6		
Shutter:	Auto/Manual, 1 ~ 1/100000s		
Minimum Illumination	Minimum Illumination		
Day/Night:	IR-cut filter with auto switch (ICR)		
Digital noise reduction:	2D/3D DNR		
IR Range:	Up to 30m (98ft) IR range		
Video Compression:	Ultra 265, H.264, M JPEG		
Frame Rate:			
Main Stream:	2MP (1920*1080), Max 30fps;		
Sub Stream:	2MP (1920*1080), Max 30fps;		
Third Stream:	D1 (720*576), Max 30fps		
H.264 code profile:	Baseline profile, Main Profile, High Profile		
Network:	At least 1 RJ45 10M/100M Base-TX Ethernet		
Power	DC 12V±25%, PoE (IEEE 802.3af), Power consumption: Max 4W		
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API		
Compatibility:	IP camera must be compatible with the existing Network Video Recorder (Uniview NVR516-128).		
Warranty	At least one (1) Year Warranty		
<b>6. IP Phone</b>		<b>5</b>	
LCD	2.4" color LCD		
Resolution	320 x 240		
LCD Backlight	Adjustable Brightness		
Line	4		
Line Key	4		
Memory Key	12 (4 pages of 3 keys)		
PoE	Yes		
GigE	Yes		

Wireless Headset Adapter	Supported		
N-Way Audio Conferencing	5		
Wide-band Codecs	G.722, Opus		
Narrow-band Codecs	G.711(A/μ), G.729, G.729A, G.726, iLBC, G.723.1		
Warranty	At least one (1) Year Warranty		
<b>7. Cabling for Data, Voice and CCTV with installation materials and labor</b>		<b>25</b>	
UTP Cable	Cat6 UTP		
Outlet	Cat6 modular outlet, Faceplate		
Connector	Cat6 RJ45		
Molding	Plastic molding or flexible hose		
Patch Cable	25 pcs 1.5 meters patch cable		
Material and Labor	included for 25 nodes		
Warranty	At least one (1) Year Warranty		
<b>8. Access Point</b>		<b>10</b>	
Feature/Description	At least 802.11ac Wave 2 dual-concurrent AP 10 35,000.00 3 50,000.00		
Maximum PHY rate	At least 867 Mbps (5GHz), At least 300 Mbps (2.4GHz)		
Wi-Fi technology	802.11ac (5GHz), 802.11n (2.4GHz)		
Concurrent users	256		
Radio chains: streams	2x2:2		
Antenna patterns (per band)	64		
Antenna gain	Up to 3dBi		
Rx sensitivity (2.4/5GHz)	(-101dBm)		
Ethernet ports	1 x 1GbE		
WLAN Control and Management	Yes		
Warranty	At least 1 Year Warranty		

ITEM NO./ DESCRIPTION	MINIMUM SPECIFICATIONS	QUANTITY	STATEMENT OF COMPLIANCE
<b>9. Extended Server Warranty</b>		<b>2</b>	
	Extended Server Warranty for the current HPE DL360 Gen9 E5-2630v4 1P 16G 8SFF Svr with S/N: CN782600GS, CN782600GR		
Service Type	Next Available Tech Support Remote, Next Available Tech Support Onsite, Next Coverage Day Onsite Response, Standard Parts Logistics		
Deliverables	Parts and Material provided, Onsite Support, Hardware Problem, Diagnosis		
Warranty	At least one (1) Year Extended Warranty		
<b>10. Software Applications</b>			
<b>Upgrade Server Operating System</b>		<b>3</b>	
	Latest standard Server Operating System License for the following servers: 1. HPE DL360 Gen9 E5-2630v4 1P 16G 8SFF Svr power supply with S/N: CN782600GS, CN782600GR 2. HP Proliant DL60 Server power supply with S/N: UMRCZHFV		
	with 50 Client Access Licenses (Device CAL)		
Warranty	At least one (1) Year Warranty		
<b>Remote Desktop Services license</b>		<b>10</b>	
	Latest Server Operating System Remote Desktop Services licenses for the following servers: 1. HPE DL360 Gen9 E5-2630v4 1P 16G 8SFF Svr power supply with S/N: CN782600GS, CN782600GR		

	2. HP Proliant DL60 Server power supply with S/N: UMRCZHFX		
Warranty	At least one (1) Year Warranty		
<b>NOTHING FOLLOWS</b>			