

Annex " B"

Procurement of IT equipments:

Items	Description	Qty
1	<p><b>Firewall</b>                      Installation , Configuration &amp; Enduser Training                      Firewall throughput 13 Gbps                      VPN throughput 2 Gbps                      IPS throughput 3 Gbps                      Antivirus throughput (proxy) 800 Mbps                      Concurrent connections 4,000,000                      New connections/sec 70,000                      Maximum licensed users unrestricted                      Physical interfaces                      Hard drive 120GB integrated SSD                      Ethernet interfaces (fixed) 6 GE copper                      No. of Flexi Port slots 1                      Flexi Port modules (optional) 8 port GE copper                      8 port GE SFP                      2 port 10 GE SFP+                      I/O ports 2 x USB 3.0 (front)                      1 x USB 2.0 (rear)                      x COM (RJ45) (front)                      1 x VGA (rear)                      Display Multi-function                      LCD module                      Power supply Internal autoranging                      90-264VAC,                      50-60 Hz                      Physical specifications Mounting 1U rack mount                      (2 rackmount ears included)                      License, Premium 24x7 Support - 1 Year</p>	1 lot
2	<p><b>UPS 3000VA Rack Mount 1U ot 2U</b>                      UPS 3000VA                      Specs:                      Output Power Capacity: 2700Wattss/ 3000VA                      Nominal Output Voltage: 230v                      Configurable for 220, 230 or 240 Nominal Output Voltage                      Topology: Line Interactive                      Waveform Type: Sine Wave                      Output Connections: (8) IEC 320 C13, (1) IEC 320 C19, (3) IEC Jumpers                      Nominal Input Voltage: 230V                      Input Frequency: 50/60Hz                      Typical Recharge Time: 3 Hours</p>	1

	USB Interface Ports Available Smartslot Interface Multi Function LCD Status and Control Console Audible Battery Alarm	
3	<b>High-end Laptops</b> At least latest Processor or 4MB Cache, up to 3.10 GHz 256GB Solid State Drive 8GB Memory At least 2GB video graphics memory 13.3-inch FHD (1920 x 1080) LED Touch Display Internal US/International Keyboard 802.11ac + Bluetooth AC Adapter, 42 WHr, 6-Cell Battery Operating System 64bit English Laptop Bag 1Yr warranty	6
4	<b>LAPTOPS</b> At least latest Processor or 3M Cache, up to 3.10 GHz 1TB 5400 rpm Hard Drive 8GB DDR4 at 2400MHz (1x8GB) At least 2GB Video Graphics memory 15.6-inch HD (1366 x 768) LED-Backlit Display Integrated Widescreen HD Webcam, dual digital microphones 802.11ac + Bluetooth 3 in 1 Card Reader (SD, SDHC, SDXC) Tray load DVD Drive (Reads and Writes to DVD/CD) AC Adapter, 6-Cell Battery Operating System (64bit Pro) English Stereo speakers Built-in 10/100 Base-T Ethernet LAN Laptop bag 1Yr warranty	25
5	<b>Desktop Computer</b> At least latest Processor or 6M Cache, up to 3.40 GHz 8GB DDR3 1TB HDD DVD-Super Multi drive 2GB Built in or dedicated Video Card High-definition audio with 5.1-channel surround sound support	29

	<p>Gigabit Ethernet  USB Keyboard and Mouse  Internal Speaker  Operating System (64bit Pro) English  XSFF ( Extra Small Form Factor )  18.5" widescreen LED Monitor  USB WIFI adapter or WIFI Dongle  1 Year Warranty</p>	
6	<p><b>Tablet</b>  <b>SPECS:</b>  64GB  7.9-inch (diagonal) LED-backlit Multi-Touch display  A7 chip with 64-bit architecture  M7 motion coprocessor  5MP Camera  1080p HD video recording  720p HD video  Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz) and MIMO  Bluetooth 4.0 technology  Tablet Operating System</p>	12
7	<p><b>Antivirus for Server (software)</b>  <b>SPECS:</b>  Host Intrusion Prevention for Servers, with ePolicy Orchestrator.  Centrally manage the entire security system with the ePolicy Orchestrator platform. It delivers complete management from a single console.</p>	1
8	<p><b>Productivity Software</b>  (Converts document's file format into Portable Document File, Pro)</p>	1
9	<p><b>Desktop Publishing Software</b>  For small to medium-sized teams and government agencies of up to 150 users. Access to the complete set of publishing software with optional services and storage for sharing, collaborating, and publishing. Online services and storage included.</p>	2
	<b>Office applications</b>	60

<p><b>10</b></p>	<p>Latest Licensed Office applications (word processing, spreadsheet &amp; slides presentation) with individual DVD OEM installer (without annual fee subscriptions)</p>	
	<p><b>IP PBX System</b></p>	
	<p><b>*FXO Analog VOIP Gateway</b></p>	
	<p><b>* 2Channel GSM Gateway</b></p>	
	<p><b>Simple and convenient configuration via</b></p>	
<p><b>11</b></p>	<p><b>Web GUI Abundant Log Features</b>  Simple and convenient configuration via Web GUI Abundant Log Features  Open API interface (AMI)  Support T.38 fax relay and T.30 fax transparent,  can continually fax multiple pages  Echo cancellation and Static jitter buffer  Support DTMF relay  Support Ring cadence and frequency setting  Support volume control  Support MWI(Message waiting indicator)  Support DHCP、DNS/DDNS、NAT networking  Support diverse SIP protocols  Diverse extensible applications, such as as IVR, DISA  Support NTP time synchronization and client time synchronization  Support modify username and password for for web login  Support SSH remote operation  Support update firmware online  Support configuration file backup and upload  Support for custom scripts, dialplans  Support restore the factory settings  Support VAD and CNG  Independent System for Each Module  Affordable Price with Superior Performance  Hot-swap Design for Modules  Compatible with Asterisk, Elastix, 3CX,  Free, switch Sip Server and VOS VOIP operating platform  Service Charge  Scope of Work:</p>	<p>1lot  1  1</p>

	<p>* Installation, Configuration &amp; Testing  * Enduser Training &amp; Documentation  * IP Phone</p> <p>HD Voice, Dual-port Gigabit Ethernet, PoE support, 132 x 64-pixel graphical LCD, Up to 3 SIP accounts, Opus codec support, Supports Dual-color LEDs, Headset support, Wall mountable, IPv6 support, Paperless design, Simple, flexible and secure, provisioning options  -with at least one (1) year warranty</p>	<p>1lot</p> <p>10</p>
	<p><b>Video Transmit Unit Backpack Package</b>  Video Transmit Unit Backpack Package  LIPO battery</p>	<p>1</p> <p>1</p>
<p><b>12</b></p>	<p>Technical Specs:  Integrated Unit:  Audio / video encoder, micro SD card, cellular &amp; wireless modems, internal battery  Portability:  Custom design, professional-grade backpack  Resolutions:  1080p50/60/25/30/24, 1080i50/60, 720p50/60/25/30, PAL, NTSC  HW Interfaces:  SDI, HDMI  Video Formats:  3G/HD/SD-SDI, HDMI 1.4, full A/V auto detection  Video Encoder:  H.264 AVC high profile  Audio Encoder:  AAC-LC  Video Transport:  RTP  Integrated Bonded Interfaces; Simultaneous Bonding:  Up to 13 network links; inc. 6-8 x integrated 4G LTE / 3G cellular or WiMAX modems + internal Wi-Fi and 2 Ethernet ports  Supported Technologies:  4G LTE, HSPA+, HSUPA, HSDPA, UMTS, CDMA EVDO Rev 0/A/B, Mobile WiMAX, and internal Wi-Fi 802.11 a,b,g &amp; n support  Antenna Arrays:  Benefits in video quality, resiliency, coverage, operation in areas of poor coverage, on-the-drive, and even in crowded areas. Enhanced support for all common wireless frequencies including LTE</p>	

**Multi-Profile Selection:**

Low latency mode

Maximum Quality mode for increased compensation in noisy networks

**Multi-target Output:**

Diverse A/V output through SDI and H.264 streams including connectivity for CDNs

**Power Sources:**

Integral battery: 3 hours

Vehicle Lighter input: 12VDC

AC: 100V to 240V

**User Interface; Local Control:**

Full monitoring and control using touch-screen UI

**Remote Control:**

Full web-based remote control from laptops, or Google Chrome based browsers

**Resiliency and Quality:**

**Physical & Interfaces; Data:**

Micro SD Card Slot, Micro USB 2.0 OTG, RJ-45 Ethernet, Audio jack (in + out)

**Dimensions:**

With 3hr battery: 150mm x 225mm x 70mm / 5.9" x 8.8" x 2.7" (W x H x D)

Weight: 1.08kg (38oz) without battery, 1.68kg (59oz) with 3 hr battery

-must have a certificate or authority to sell

-authorized local technical support

-with at least one (1) year warranty