



## PURCHASE REQUEST

Dept./Office: **UCC**

PR #: **GF-2020-10-00002**

Date: **10-09-2020**

Section/End-User: **Norman O. Villas**

Category: **IT Supplies and Equipment**

Funding Source: **General Fund - MOOE**

Project Title/Code: **MIS Tier 2**

| Item #                                                                                                                                                                                                                                                                                                                                                                     | Item Description                                            | Unit | Qty | Unit Cost | PAR/ICS | Total Cost |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------|-----|-----------|---------|------------|
| 1                                                                                                                                                                                                                                                                                                                                                                          | <b>1 GBPS SFP Single mode Module</b>                        | unit | 20  | 10,000.00 |         | 200,000.00 |
| <b>Specification:</b><br><br>1G SFP LC LX 10KM SMF XCVR, must be compatible with ARUBA and HPE Switches                                                                                                                                                                                                                                                                    |                                                             |      |     |           |         |            |
| 2                                                                                                                                                                                                                                                                                                                                                                          | <b>All-in-One Ink Tank Printer Wi-Fi Duplex with ADF</b>    | unit | 30  | 18,000.00 |         | 540,000.00 |
| <b>Specification:</b><br><br>Compact integrated tank design / Print speeds up to 15ipm for black and 8.0ipm for colour / Auto-duplex printing Fax and ADF capability / Ethernet & Wi-Fi Direct / Borderless Printing up to A4 size / Spill-free ink refilling<br><br>Control Panel: 2.4 " Colour LCD Touch Panel                                                           |                                                             |      |     |           |         |            |
| 3                                                                                                                                                                                                                                                                                                                                                                          | <b>Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)</b> | unit | 100 | 8,000.00  |         | 800,000.00 |
| <b>Specification:</b><br><br>Tank Ink System<br><br>Printer Type: Print, Scan and Copy<br><br>Scanner Type: Flatbed colour image scanner<br><br>Sensor Type: CIS<br><br>Optical Resolution:<br><br>600 x 1200 dpi<br><br>Copy Speed: Maximum Copies from Standalone: 20 copies<br><br>Maximum Copy Size: A4, Letter<br><br>ISO 29183, A4 Simplex Flatbed (Black / Colour): |                                                             |      |     |           |         |            |

Max Copy Resolution:

300 x 300 dpi

Paper Handling:

Up to 20 sheets-Premium Glossy Photo Paper 10 sheets-Envelope, 30 sheets-Postcard

Output Capacity: Up to 30 sheets, A4 plain paper

20 sheets, Premium Glossy Photo Paper

Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")

Paper Size: Legal, Indian-Legal (215 x 345 mm), 8.5 x 13", Letter, A4, 16K (195 x 270 mm), B5, A5, B6, A6, Hagaki (100 x 148 mm), 5 x 7", 4 x 6", Envelopes: #10, DL, C6

Print Margin: 0 mm top, left, right, bottom via custom settings in printer driver

Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)

Print Direction: Bi-directional printing

Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)

Minimum Ink Droplet Size: 3 pl

Printer Language: ESC / P-R

|   |                |      |     |          |                      |            |
|---|----------------|------|-----|----------|----------------------|------------|
| 4 | SIP VOIP Phone | unit | 100 | 6,000.00 | SEAN O. VILLAGONZALO | 600,000.00 |
|---|----------------|------|-----|----------|----------------------|------------|

**Specification:**

1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3)

- IPv4 (RFC 791)Integrated web server provides web-based administration and configuration
- Telephone keypad configuration via display menu/navigation
- Automated provisioning and upgrade via HTTPS, HTTP, TFTP
- Asynchronous notification of upgrade availability via NOTIFY
- Nonintrusive in-service upgrades
- Report generation and event logging
- Statistics transmitted in BYE message
- Syslog and debug server records: configurable per line
- Address Resolution Protocol (ARP)

- Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)
- Internet Control Message Protocol (ICMP) (RFC 792)
- TCP (RFC 793)
- User Datagram Protocol (UDP) (RFC 768)
- Real-Time Transport Protocol (RTP) (RFC 1889, 1890)
- Real-Time Control Protocol (RTCP) (RFC 1889)
- Differentiated Services (DiffServ) (RFC 2475)
- Type of service (ToS) (RFC 791, 1349)
- VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)
- Simple Network Time Protocol (SNTP) (RFC 2030) SIP version 2 (RFC 3261, 3262, 3263, 3264)
- SPCP with the Cisco Unified Communications 500 Series
- SIP proxy redundancy: dynamic via DNS SRV, A records
- Reregistration with primary SIP proxy server
- SIP support in NAT networks (including STUN)
- SIPFrag (RFC 3420)
- Secure (encrypted) calling via SRTP
- Codec name assignment
- Voice algorithms:
  - G.711 (A-law and  $\mu$ -law)
  - G.726 (16/24/32/40 kbps)
  - G.729 A
  - G.722
- Dynamic payload support
- Adjustable audio frames per packet
- Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO)
- Flexible dial plan support with interdigit timers
- IP address/URI dialing support
- Call progress tone generation

- Frame loss concealment
- Comfort Noise Generation (CNG)
- Voice activity detection (VAD) with silence suppression
- Attenuation/gain adjustments
- VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE
- Caller ID support (name and number)
- Third-party call control (RFC 3725)

|   |                                         |      |     |          |  |            |
|---|-----------------------------------------|------|-----|----------|--|------------|
| 5 | <b>UPS with Network Management card</b> | unit | 100 | 7,000.00 |  | 700,000.00 |
|---|-----------------------------------------|------|-----|----------|--|------------|

**Specification:**

Output Power Capacity: 550 Watts/1100 VA

Max Configurable Power: 550 Watts/1100 VA 2 years warranty

Nominal Output Voltage: 230V

Output Connections:(2) IEC 320 C13 (Battery Backup) (4) Universal Receptacle (Battery Backup)

Nominal Input Voltage: 230V

|   |                   |      |     |          |  |            |
|---|-------------------|------|-----|----------|--|------------|
| 6 | <b>VOIP Phone</b> | unit | 100 | 6,000.00 |  | 600,000.00 |
|---|-------------------|------|-----|----------|--|------------|

**Specification:**

1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3) with lifetime warranty

- IPv4 (RFC 791)Integrated web server provides web-based administration and configuration
- Telephone keypad configuration via display menu/navigation
- Automated provisioning and upgrade via HTTPS, HTTP, TFTP
- Asynchronous notification of upgrade availability via NOTIFY
- Nonintrusive in-service upgrades
- Report generation and event logging
- Statistics transmitted in BYE message
- Syslog and debug server records: configurable per line
- Address Resolution Protocol (ARP)
- DNS: A record (RFC 1706), SRV record (RFC 2782)
- Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)

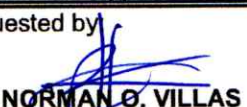
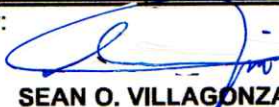
- TCP (RFC 793)
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- Codec name assignment
- Voice algorithms:
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  - G.722
- Dynamic payload support
- Adjustable audio frames per packet
- Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO)
- Flexible dial plan support with interdigit timers
- IP address/URI dialing support
- Call progress tone generation
- Jitter buffer: adaptive
- Frame loss concealment

- Voice activity detection (VAD) with silence suppression
- Attenuation/gain adjustments
- VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE
- Caller ID support (name and number)
- Third-party call control (RFC 3725)

Should be compatible with existing fleet of VSU IP Phones

|  |              |  |  |  |  |                     |
|--|--------------|--|--|--|--|---------------------|
|  | <b>TOTAL</b> |  |  |  |  | <b>3,440,000.00</b> |
|--|--------------|--|--|--|--|---------------------|

Purpose: FOR MIS 2021

|                                 |                                                                                   |                                                                                    |                         |
|---------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------|
| Checked by:                     |                                                                                   | Funds Available:                                                                   |                         |
| <b>DIONESIO I. ESTUPA</b>       |                                                                                   | <b>MYRNA S. PANCITO</b>                                                            |                         |
| TWG - IT Supplies and Equipment |                                                                                   | HEAD, BUDGET OFFICE                                                                |                         |
| Signature:                      | Requested by:                                                                     | Noted by:                                                                          | Approved by:            |
|                                 |  |  |                         |
| Printed Name:                   | <b>NORMAN O. VILLAS</b>                                                           | <b>SEAN O. VILLAGONZALO</b>                                                        | <b>EDGARDO E. TULIN</b> |
| Designation:                    | END USER                                                                          | UNIT HEAD, PROJECT LEADER                                                          | PRESIDENT, VSU          |