



## PURCHASE REQUEST

Dept./Office: **ICTMC**PR #: **GF-2021-07-00415**Date: **07-02-2021**Section/End-User: **Norman O. Villas**Category: **IT Supplies and Equipment**Funding Source: **General Fund - MOOE**Project Title/Code: **ICTMC**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	<b>1KM Single Core FTTH Drop Cable</b>	spool	10	3,700.00		37,000.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• 1 Kilometer FTTH Drop Cable</li> <li>• Single-Core outdoor</li> <li>• GS657</li> <li>• 3 steel wire messenger</li> </ul>						
2	<b>Crimper for RJ 45, Pass Through for CAT5, CAT6 UTP Cable</b>	pc	5	1,500.00		7,500.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Professional crimp tool crimps, strips and cuts cable for 6 and 8 position modular plugs/connectors for your variety of network needs.</li> <li>• The crimp tool offers reliable, easy-to-use and affordable solution to meet immediate cutting needs.</li> <li>• This user friendly device works with any Ethernet or telephone cable.</li> <li>• Compact design with easy handle hand grips.</li> <li>• Built-in cutter and stripper function.</li> <li>• **Ratcheting Modular Crimper**</li> <li>• It has a ratchet mechanism to keep tool closed when not in use.</li> <li>• The Ratcheting Modular Crimper/Stripper is durably made from high-carbon steel for high performance.</li> <li>• It helps provide fast, reliable modular-crimp connector installation for RJ45 voice and data applications.</li> <li>• Cuts, Strips and Crimps Twisted Pair, Ethernet, RJ45 Voice and Data Cables.</li> </ul>						
3	<b>Fiber Optic FTTH Tool Kit with Optical Power Meter</b>	unit	2	2,491.00		4,982.00
<b>Specification:</b> <p>Technical Parameters:</p> <ol style="list-style-type: none"> <li>1. Fiber cleaver</li> <li>1. Applicable bare fiber diameter: 125um</li> <li>2. Applicable fiber core number: single core</li> <li>3. Applicable fiber coating diameter: 0.25 &amp; 0.9mm</li> <li>4. Need to strip length before fiber cutting: fiber cutting length +18mm or more</li> <li>5. Fiber cutter length: 9-16mm (0.25mm) 10-16mm (0.9mm)</li> <li>6. Representative value of the cutting angle: ?0.5°</li> <li>7. Blade life: 48000 core wire</li> </ol>						

- ? Optical power meter
- 1.Wavelength range: 800~1700nm
  - 2.Connector: FC/SC/ST (optional)
  - 3.Uncertainty:  $\pm 5\%$
  - 4.Standard wavelength (nm): 850/1300/1310/1490/1550/1625
  - 5.Display resolution: linear display: 0.1%, logarithmic display: 0.01dBm
  - 6.Red light power (one machine series) (MW): 1, 5, 10, 20, 30 (optional)
  - 7Automatic shutdown time: 10min
  - 8.Battery continuous working time: 748h

4	<b>Fiber to Copper Media Converter Gigabit Full Duplex Pair A/B Single Mode 25KM</b>	pair	20	900.00		18,000.00
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**Specification:**

- Fiber to Copper Media Converter
- Gigabit Full Duplex
- Pair A/B
- Single Mode
- 25KM

5	<b>FTTH S Type Fiber Fixing Clamp for FTTH Drop cable</b>	pcs	80	34.00		2,720.00
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**Specification:**

FTTH S Type Fiber Fixing Clamp for FTTH Drop cable

6	<b>FTTH SC connector butterfly type bundle 10 pcs per pack</b>	pack	5	600.00		3,000.00
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**Specification:**

- Field installable connector (SC) consist of the following components
  - Locking Tool
  - Flop Cover
  - Cable Buckle
  - Slider
  - Length Control Jig

7	<b>LTE Kit</b>	kit	10	14,286.00		142,860.00
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**Specification:**

- Details
  - Architecture ARM 64bit
  - CPU 88F3720
  - CPU core count2
  - CPU nominal frequency800 MHz
  - RouterOS license 3
  - Operating System RouterOS
  - Size of RAM 256 MB
  - Storage size 16 MB
  - Storage type FLASH



- MTBF Approximately 200'000 hours at 25C
- Tested ambient temperature -30°C to 70°C
- Powering Details:
  - Number of DC inputs 1 (PoE-IN)
  - Max power consumption 8 W
  - Max power consumption without attachments 8 W
  - FAN count Passive
  - PoE in 802.3af/at
  - PoE in input Voltage 12-57 V
- Mobile
  - 2G Category Class12
  - G bands 2 (1900MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
  - 3G Category R7 (21Mbps Downlinks, 5.76Mbps Uplink) / R8 (42.2Mbps Downlink, 5.76Mbps Uplink)
  - 3G bands 1 (2100MHz) / 2 (1900MHz) / 5 (850MHz) / 8 (900MHz)
  - LTE Category 6 (300Mbit/s Downlink, 50Mbit/s Uplink)
  - LTE FDD bands 1 (2100MHz) / 2 (1900MHz) / 3 (1800MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 5 (850MHz) / 12 (700MHz) / 17 (700MHz) / 25 (1900MHz) / 26 (850MHz)
  - LTE TDD bands 38 (2600MHz) / 40 (2300MHz) / 39 (1900MHz) / 41n (2500MHz)
- Ethernet & Peripherals
  - 10/100/1000 Ethernet ports 1
  - Number of SIM slots 1 Modem (Micro SIM)
  - MiniPCI-e slots 1
- Certification & Approvals Details:

8	<b>RJ 45, Passthrough, CAT6</b>	box	110	400.00		44,000.00
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**Specification:**

- Simplifies twisted pair terminations by allowing the wires to be inserted through the connector and out the front
- Technician can easily verify the proper wiring order
- Electrical performance of the termination is optimized by pulling the connector down over the cable jacket and seating it tightly in the rear of the connector
- Reduces the distance between the wire twists and contacts improves performance
- For use in Cat 6 compliant data networks
- 100 pieces per box



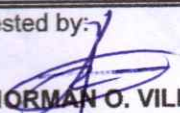


9	<b>UTP Cable (300 meters), CAT 6 23 AWG</b>	box	22	8,500.00		187,000.00
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**Specification:**

?UTP Cable cat6  
 ?Cat 6 Cable UTP Unshielded AWG23  
 ?Gray Data LAN Cable  
 ?1000 feet 305m 1000ft.  
 ?must be UL listed & ISO certified cable

	<b>TOTAL</b>					<b>447,062.00</b>
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Purpose: For connectivity

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