



OP#299  
 3/3/20

## PURCHASE REQUEST

Dept./Office: **GSD**PR #: **GF -2021-03-00050**Date: **03-01-2021**Section/End-User: **Mario C. Bantugan**Category: **Construction and Electrical Supplies**Funding Source: **General Fund - CO**Project Title/Code: **PPO-2021-10**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Electrical Metal Enclosure	pc	2	1,800.00		3,600.00
2	Electrical Tape, Vinyl	rolls	100	70.00		7,000.00

**Specification:**

- Flame retardant and compatible with plastic cable and wire harness insulations
- Flexible PVC with aggressive rubber adhesive
- Primary electrical insulation for all wire and cable splices rated up to 600 volts.
- 19mm x 16mm x 0.155mm
- Heavy Duty
- ASTM approved

3	Electrical Wire, #14 3wire Royal Cord	roll	4	2,300.00		9,200.00
4	Electrical Wire, #10 3wire Royal cord	roll	2	2,500.00		5,000.00
5	Electrical Wire, #12 3wire Royal Cord	roll	4	2,800.00		11,200.00
6	Electrical, 4way Metal Junction box	pc	4	48.00		192.00
7	Electrical, Junction Box, 4" x 4"	pc	1200	35.00		42,000.00

**Specification:**

Heat resistant  
 Waterproof  
 UL certified

8	Electrical, Pipe, (PVC) Orange, 1/2" x 3m	length	1000	85.00		85,000.00
9	Electrical, Plastic Molding, 1/2" diameter	length	3600	60.00		216,000.00
10	Electrical, Safety Breaker, 2 poles, 15AT (Box Type)	unit	40	620.00		24,800.00

<b>Specification:</b>  Heavy Duty  Good quality						
11	<b>Electrical, TF, AWG 16 (1.25 mm2), Stranded, 150m/box</b>	box	75	50.00		3,750.00
<b>Specification:</b>  Heat resistant  Waterproof						
12	<b>Electrical, THHN/THWN, AWG 14 (2.0mm2), Stranded, 150m/box</b>	box	20	3,350.00		67,000.00
13	<b>Emergency Exit Light Sign</b>	unit	80	1,650.00		132,000.00
<b>Specification:</b>  At least 3Watts  Automatically turns on when power is cut-off  Equipped with overcharging protection and fuse protection  Exit text legible at least 30m distance  Back power operation at least 3 hours						
14	<b>Emergency Light, 2 x 3 Watts</b>	pcs	120	2,500.00		300,000.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Good quality</li> <li>• Durable</li> <li>• Dome reflector for wider light distribution</li> <li>• Automatic Operation (turns on instantly when power is cut-off)</li> <li>• Equipped with Overcharging protection</li> <li>• Fuse protected</li> <li>• Illuminates areas more than 1 lux</li> <li>• Light Source: 2x1W High Power SMT LED</li> <li>• Battery: 4V 4.0Ah - 6V 4.5Ah Sealed Lead Acid</li> <li>• Charging Time: &lt;20 hours</li> <li>• Performance Time: 76 hours (at full charge)</li> </ul>						
15	<b>Fire Alarm Bell</b>	unit	90	1,885.00		169,650.00
<b>Specification:</b>  Conventional 8 inches, 24 DC  Sound Output: 80 dB  Operating voltage limit: 16-33V DC  Maximum current: (DC) 31.1 mA  Operating Temperature: -35C to 60C						



16	<b>Fire Alarm Control Panel 4 Zone</b>	unit	30	20,670.00	620,100.00
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**Specification:**

4 Loops

Conventional Fire Alarm Wall Mounted

Power Source: 230V AC 50/60 HZ

Standby Battery: 24V DC

Charging Voltage: Below 26V DC 450mA, Trickle Charging

Circuit Voltage: 24V DC Operation Voltage under 10~11VDC 32mA

Rated Impedance: Below 50

Detector Connection: No limitation for Conventional Rate of Rise or Fixed Temperature Heat Detectors; Up to 30 Photoelectric Smoke Detectors can be connected per zone (monitor current for detectors:24V DC 40?A)

E.O.L. Resistor:10K?

No. of Indicators: The same as the number of zones (LED Indicator lamp)

No. of Bells: The same as the number of zones,

Color: Red

Buttons: Push-button

Cabinet Material: Flame retardant ABS enclosure(up tp 24L only)

17	<b>Fire Alarm Control Panel 5 Zone</b>	set	10	34,970.00	349,700.00
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**Specification:**

5 loops

Input power: 220VAC, 60Hz

Auxiliary power(Battery): DC 24V 300mAH (NI-Cd Battery)

Charging Voltage/Current: DC 29V 60mA

Loop Voltage, Current: Normal: DC24V, Short-Circuit: 5V, Under 30mA

Exterior Resistance: Round-trip under 50?

Amount of Smoke Detectors: Max. Amount of Connection: 20/ Loop

Amount of Heat Detectors: No Limit (Except Electronic Type)

End of Line Resistance: 10K?

Output Current for Indicating Lamp: Max. Output Current: 120mA

Output Current for Alarm Bell: Max. Output Current: 120mA

18	<b>Fire Extinguisher, Dry Chemical (ABC), 10lbs</b>	unit	120	3,000.00		360,000.00
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**Specification:**

- ISO Certified
- Dry Chemical recommended for all classes of fires
- Non Toxic
- Non Conducting and Non Corrosive Chemical

19	<b>Heat Detector Alarm System</b>	unit	65	600.00		39,000.00
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**Specification:**

Two wires conventional 24V DC

Operating Voltage: 9V to 35V DC

Alarm Current: 40 -50mA

Alarm Indication: Red LED ON

Temperature Range: -10C to +50C

Standby Current: 50uA

Humidity range: <95% Relative Humidity

Detecting Range: 50 sq. m @ 6-12 m installation height

Standard/Certification: EN54-5, UL521, GB4716-2005

Dimension: 100mm diameter x 46mm height

20	<b>Horn Siren Sound Alarm System</b>	unit	10	3,120.00		31,200.00
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**Specification:**

Conventional high-frequency siren

Flashing LED Light

High Luminance

10W horn with 110dB alarm sound

12V to 24V DC

21	<b>Manual Call Point</b>	unit	90	1,185.00		106,650.00
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**Specification:**

Conventional 24V DC

Rated Current: 75mA

Reinforced transparent protective cover



Fire proof plastic

22	<b>Smoke Detector Alarm System</b>	unit	1100	1,400.00		1,540,000.00
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**Specification:**

Two wires conventional 24V DC

Operating Voltage: 9V to 35V DC

Alarm Current: 40mA @ 24V

Alarm Indication: Red LED ON

Temperature Range: -10C to +50C

Standby Current: 55uA

Humidity range: 0% to 95%

Relative Humidity: Non Condensing

Alarm Output: Remote LED

Sensitivity: 0.15dB/m

Standard/Certification: EN54-7 & UL268

Dimension: 100mm diameter x 46mm height

**TOTAL**

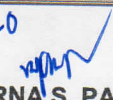
**4,123,042.00**

Purpose: Fire Alarm System for 26 dorms and 5 academic buildings

Checked by:

  
**MARLON G. BURLAS**

Funds Available: *CO*

  
**MYRNA S. PANCITO**

TWG - Construction and Electrical Supplies

*SM*  
HEAD, BUDGET OFFICE

Signature:

Printed Name:

Designation:

Requested by:

  
**MARIO C. BANTUGAN**

END USER

Noted by:

  
**MARIO LILIO P. VALENZONA**

UNIT HEAD, PROJECT LEADER

Approved by:

  
**EDGARDO E. TULIN**

PRESIDENT, VSU