



Republic of the Philippines  
**PROCUREMENT DEPARTMENT**  
Quezon City Government



PO Number **2308059**

**Purchase Order** Date: **SEP 05 2023**

|                |  |                     |   |
|----------------|--|---------------------|---|
| Procuring Unit | : QUEZON CITY DISASTER RISK REDUCTION AND MANAGEMENT OFFICE                                  | Project Number      | : QCDRRMO-23-IT-1078                      |
| Company Name   | : KOMUNIDAD GLOBAL SERVICES & OPERATIONS PHILIPPINES INC. JOINT VENTURE WITH GRANDCOMM CORP. | Mode of Procurement | : Public Bidding                          |
| Address        | : 5F ATC Corporate Center, Madrigal Business Park, Ayala Alabang, Muntinlupa City            | Resolution No.      | : 23-PB-517                               |
| Business Type  | : Corporation Registration #2021110033009-03/CS201624413                                     | TIN Number          | : 603-509-356-00000/<br>009-439-624-00000 |
|                |  | Contact Number      | : 0945-409-1790                           |

**Sir/Madam:**

Please furnish this office the following articles subject to the terms and conditions contained here:

**Place of Delivery :** Upon end-user's instruction subject to proper coordination with CGSD

**Delivery Schedule :** Sixty (60) Calendar Days

**Payment Term :** Credit

| Stock No. | Item   | Unit of Issue | QTY | Unit Cost | Amount |
|-----------|--|---------------|-----|-----------|--------|
|           | E. Historical Data Storage,<br>• Store and Manage alert data thru a simple historical data management interface ✓  |               |     |           |        |
|           | F. Three (3) years, 1 standard Internet Broadband Line for 24 x 7 use,<br>• One-time installation<br>• Bandwidth: Unlimited (No Data Cap)<br>• Speed: Up to 50Mbps ✓   |               |     |           |        |
|           | G. Three (3) years software license, maintenance, support, warranty, and technical support,<br>• All equipment<br>• Software ✓   |               |     |           |        |
|           | H. Includes Three (3) Days Training and User Manuals<br>• One (1) Day Train the Trainer<br>• One (1) Day System Admin Training<br>• One (1) Day End-User Training<br>• Digital User Manuals<br>• All training will have eight (8) hours per day with five (5) attendees. ✓ |               |     |           |        |
|           | ***with attached Terms of Reference which will form an integral part of this purchase order*** ✓   |               |     |           |        |
|           | ***** Nothing Follows ***** ✓  |               |     |           |        |

**Total Amount :** 29,950,000.00,

**Total Amount In Words (Pesos):** Twenty Nine Million Nine Hundred Fifty Thousand Pesos Only ✓

**MA. JOSEFINA G. BELMONTE**  
City Mayor ✓



*Dom Christian B. Lequiron / Sept 6, 2023*  
Signature Over Printed Name of Supplier / Date

**Funds Available:**

*Ruby G. Manangu*  
**RUBY G. MANANGU**  
City Accountant ✓

OBR : *NO. 2024-08-0825*

**Approved Budget for the Contract :** 30,000,000.00



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Quezon City Government



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|-----------|--|---------------|-----|-----------|--------|
|           | <ul style="list-style-type: none"><li>• One (1) piece RS485 adapter to USB</li></ul> <p>C. Control Station Software,</p> <ul style="list-style-type: none"><li>• Ability to control up to individual siren and siren groups.</li><li>• Scheduled or user requested diagnostic tests.</li><li>• Can activate Warning or Emergency Signals and prerecord Voice Messages.</li><li>• Provides alert notifications for Siren's Errors in Horns, Amplifiers, Batteries and Communication.</li><li>• Can perform live voice announcements for Public Addressing.</li><li>• Three (3) User Access Levels and i-button support</li><li>• Scheduled or user requested activation.</li></ul> <p>D. Automated Trigger Middleware,</p> <ul style="list-style-type: none"><li>• Integration connectors to CS siren for manual and automated trigger.</li><li>• Integration connectors to existing iRISE-UP hazard API's for automated trigger (up to 50 data parameters).</li><li>• API call management to call iRISE-UP data flexible per 5min, 15min, 30min, 45min, 1 hour to 12 hours updating time for hazards that require API calling.</li><li>• Development of automated and programmed triggers and messaging depending on alert category and have the flexibility for adjustment.</li><li>• Siren location and status shall be integrated and pushed to be displayed in the iRISE-UP GIS interface of both web applications and native mobile application (IOS/Android), QC DRRMO will provide access to the development environment. ✓</li></ul> |               |     |           |        |

**MA. JOSEFINA G. BELMONTE**  
City Mayor

**John Christian B. Requiron / Sept 8, 2023**  
Signature Over Printed Name of Supplier / Date

**Funds Available:**

**RUBY G. MANANGU**  
City Accountant

**Approved Budget for the Contract : 30,000,000.00**

**OBR : 100-2023-08-0520**





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Quezon City Government



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|-----------|---|---------------|-----|-----------|--------|
|           | <ul style="list-style-type: none"><li>■ Mouse:<ul style="list-style-type: none"><li>-Connectivity: USB</li><li>-Compatibility: Windows</li><li>-Installation: Plug-and-Play</li></ul></li><li>■ Keyboard<ul style="list-style-type: none"><li>-Connectivity: USB</li><li>-Compatibility: Windows</li><li>-Installation: Plug-and-Play</li></ul></li><li>• One (1) piece TC/IP VoIP and Data Card</li><li>• One (1) piece Ethernet Media Converter; 12VDC</li><li>• One (1) piece UE-60-50 Universal Enclosure 60cm x 50cm x 20cm, IP66 Basic AC</li><li>• One (1) piece 2V/8A DC Power supply with battery monitor UPS</li><li>• One (1) piece Battery 12V/27Ah lead acid maintenance free</li><li>• One (1) piece cabling and assembly</li><li>• One (1) piece SFP module 100M/Single mode/ 2-fiber/ 1310/LC connector to be connected to Desktop PC mentioned in item B.</li><li>• One (1) piece Radio Transceiver UHF 403-470 MHz for CS</li><li>• One (1) piece FFSK Radio Modem</li><li>• One (1) piece Antenna feeder LMR/CFD500, N male to N female 30m</li><li>• One (1) piece Pig-tail 1m, LMR/CFD200, feeder to radio N male to BNC male</li><li>• One (1) piece CMC-8 HMI Warning System Control Console for CS Siren</li><li>• One (1) piece TW-100 Communication Audio Panel</li></ul> |               |     |           |        |

**MA. JOSEFINA G. BELMONTE**  
City Mayor

*John Christian B. Lequiron* / *Sept 8, 2023*  
Signature Over Printed Name of Supplier / Date

**Funds Available:**

*Ruby G. Manangu*  
**RUBY G. MANANGU**  
City Accountant

OBR: *100-2111-05-0852*

**Approved Budget for the Contract :** 30,000,000.00



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PO Number **2308059**

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|                |  | Contact Number      | : 0945-409-1790                           |

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|           | <ul style="list-style-type: none"><li>• Easy to use interface that will be installed a desktop PC mentioned in item B</li><li>• Three (3) years license and technical support</li></ul> <p>B. Computer and Communications Equipment,</p> <ul style="list-style-type: none"><li>• One (1) piece Desktop PC<ul style="list-style-type: none"><li>o Operating System: Windows 11 Pro</li><li>o Storage: 1TB HDD</li><li>o Ram: 16GB</li><li>o Power Supply: AC and Uninterrupted Power Supply<ul style="list-style-type: none"><li>■ Outlets: Five (5)</li><li>■ Output Capacity: 1200VA/650W</li><li>■ Output (on battery): 220V-240V, 50/60Hz +/-1Hz</li><li>■ Input Power: 220V-240V, 50/60Hz +/- 5Hz (auto sensing)</li><li>■ Surge: 273 J</li><li>■ Battery recharge time: 8 hours</li><li>■ No. of Outlets: 5 - 4 universal, 1 IEC 60320 C13</li><li>■ Dimension: 39cm x 19cm x 14cm</li><li>■ Battery Type: Lead-Acid</li></ul></li><li>o Processor: Intel i5 10th Generation or better</li><li>o Monitor:<ul style="list-style-type: none"><li>■ Size: 23.8 inches</li><li>■ Panel Type: IPS</li><li>■ Resolution: 1920 x 1080</li><li>■ Aspect Ratio: 16:9</li></ul></li><li>o Peripherals (Same Brand): _</li></ul></li></ul> |               |     |           |        |

**MA. JOSEFINA G. BELMONTE**  
City Mayor

*John Christian P. Aquino* / Sept 8, 2023  
Signature Over Printed Name of Supplier / Date

**Funds Available:**

*Ruby G. Manangu*  
**RUBY G. MANANGU**  
City Accountant

**OBR :** *HW-2023-08-08*

**Approved Budget for the Contract :** 30,000,000.00





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|           | D. Junction Box Set (cables and mounting accessories), <ul style="list-style-type: none"><li>• Seven (7) pieces Pole mounting Junction Box for 4-6 horns 30cm x 30cm x 15cm, IP66</li></ul> E. Installation at seven (7) sites, <ul style="list-style-type: none"><li>• Polemast Installation</li><li>• Digital Electronic Siren Installation</li></ul> F. Three (3) Years Maintenance, support, warranty, and data plan for seven (7) Warning Station Equipment including replacement of battery. |               |     |           |        |
|           | G. Includes Three (3) Days Training and User Manuals, <ul style="list-style-type: none"><li>• Two (2) Days End-User Equipment Maintenance</li><li>• One (1) Day End-User Training</li><li>• Digital User Manuals</li><li>• All training will have eight (8) hours per day with five (5) attendees.</li></ul> 2. CONTROL STATION AND COMMAND CENTER SOFTWARE  |               |     |           |        |
|           | A. Software Backend and Frontend, <ul style="list-style-type: none"><li>• Windows Based Software<ul style="list-style-type: none"><li>o Capable on running on Windows 10 and 11 operating system</li></ul></li><li>• MySQL Database<ul style="list-style-type: none"><li>o 1TB Storage</li><li>o 32GB RAM</li><li>o 16vCPUs</li></ul></li></ul>  |               |     |           |        |

**MA. JOSEFINA G. BELMONTE**  
City Mayor

**JOHN CHRISTIAN B. LEQUION** / Sept 6, 2023  
Signature Over Printed Name of Supplier / Date

**Funds Available:**

**RUBY G. MANANGU**  
City Accountant

**OBR :** NO. 2308-08-0800

**Approved Budget for the Contract :** 30,000,000.00



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| 1         | Requirements and specifications of the OUTDOOR ALERTING SYSTEM FOR DISASTER RISK REDUCTION AND MANAGEMENT<br><br>1. SEVEN (7) WARNING STATION EQUIPMENT SET<br><br>A. Electronic Digital Siren with PA (Public Address) Omni Directional (Per Station) - (Comtel)<br>SB-2-4-1 12dB @ 30m Omni Directional with 4 Horn Speaker, 12V/38Ah insight battery weatherproof cabinet with standalone power supply solar panel, solar charger, fully functional up to 1km range radius 2x Amplifier 400 Watts, Siren Pole Cap, IP66 steel enclosure.<br><br>B. Primary Communication Interface per Siren, <ul style="list-style-type: none"><li>• Seven (7) pieces CMC-4 Serial HMI Control Console for CS Siren</li><li>• Seven (7) pieces Compact Microphone - (Motorola)</li><li>• Fourteen (14) pieces Battery, 12V/38 Ah Lead Acid, maintenance free</li></ul><br>C. Secondary Communication: UHF Radio, <ul style="list-style-type: none"><li>• Seven (7) pieces Radio Transceiver - (Hytera - HM 788 UHF) UHF 403-470 MHz for CS</li><li>• Seven (7) pieces FFSK Radio Modem</li><li>• Seven (7) pieces Antenna Omni UHF 403-470 MHz</li><li>• Seven (7) pieces Antenna feeder LMR/CFD400, N male to BNC female 17m</li><li>• Seven (7) pieces pig tail 1m, LMR/CFD200, feeder to radio N male to BNC male</li></ul> | lot           | 1   | 29,950,000.00 | 29,950,000.00 |

**MA. JOSEFINA G. BELMONTE**  
City Mayor

**Colm Christian B. Lequion / Sept 6, 2023**  
Signature Over Printed Name of Supplier / Date

**Funds Available:**

**RUBY G. MANANGU**  
City Accountant

OBR : 100-00000-08-082023

**Approved Budget for the Contract : 30,000,000.00**