



23 November 2021

ASTI - BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL BULLETIN NO. BAC-2021-011-023

**SUPPLY AND DELIVERY OF ONE (1) LOT MOBILE ROBOT PLATFORM
(SECOND BIDDING)**

The ASTI Bids and Awards Committee (BAC) issues this Supplemental/Bid Bulletin to clarify, modify or amend items in the Bidding Documents and to reply to queries raised by the potential bidders through letters/emails for the information of all bidders for the procurement of:

Item: **Supply and Delivery of One (1) Lot Mobile Robot Platform (Second Bidding)**
 Approved Budget for the Contract: **Two Million Seven Hundred Thousand Pesos Only (P2,700,000.00)**
 Invitation to Bid No.: **21-10-3586 dated 11 November 2021**
 Purchase Request Nos.: **ROAMER-21-09-12122 dated 21 September 2021**
 Published Date (PhilGEPS): **12 November 2021 | 8183464**

A. AMENDMENT TO PROCUREMENT DETAILS AND FORMS

REFERENCE	AMENDMENT/CHANGE/CLARIFICATION																																																																					
Section VII. Technical Specifications, Page 28	<p>FROM:</p> <table border="1"> <thead> <tr> <th>Item No.</th> <th>Specification</th> <th>Statement of Compliance</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Mobile Robot Platform (including sensors and peripherals) – One (1) Lot</td> <td></td> </tr> <tr> <td></td> <td>3.1.4. One (1) Computer Board</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.1. CPU: 8-core ARM Carmel v.8.2 @ 2.26 GHz</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.2. GPU: Volta 512 cores @1.37GHz</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.3. Tensor Cores: 64</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.4. Memory: 16 GB 256-bit LPDDR4, 137 GB/s</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.5. Connectivity: 1 Gigabit Ethernet, 3x USB 3.1, 2x USB 2.0, 1x 16 lanes PCIe Gen4</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.6. Storage: 32GB eMMC 5.1</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.7. With wireless controller pad</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.8. Installation of robot API ROS libraries and testing</td> <td></td> </tr> </tbody> </table> <p>TO:</p> <table border="1"> <thead> <tr> <th>Item No.</th> <th>Specification</th> <th>Statement of Compliance</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Mobile Robot Platform (including sensors and peripherals) – One (1) Lot</td> <td></td> </tr> <tr> <td></td> <td>3.1.4. One (1) Computer Board</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.1. CPU: At least 2.7GHz Intel i5-4570TE or equivalent/better</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.2. Memory: At least 8 GB RAM</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.3. Storage: At least 120GB SATA2 SSD</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.4. Minimum connectivity: 2x RS-232, 10x USB 2.0, 2x GigE, PCI Express</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.5. 120W power supply or better</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.6. WiFi adapter included</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.7. Wireless controller included</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.8. ROS/Ubuntu configuration files included</td> <td></td> </tr> <tr> <td></td> <td>3.1.4.9. Vehicle mounting and wiring included</td> <td></td> </tr> </tbody> </table>	Item No.	Specification	Statement of Compliance	1	Mobile Robot Platform (including sensors and peripherals) – One (1) Lot			3.1.4. One (1) Computer Board			3.1.4.1. CPU: 8-core ARM Carmel v.8.2 @ 2.26 GHz			3.1.4.2. GPU: Volta 512 cores @1.37GHz			3.1.4.3. Tensor Cores: 64			3.1.4.4. Memory: 16 GB 256-bit LPDDR4, 137 GB/s			3.1.4.5. Connectivity: 1 Gigabit Ethernet, 3x USB 3.1, 2x USB 2.0, 1x 16 lanes PCIe Gen4			3.1.4.6. Storage: 32GB eMMC 5.1			3.1.4.7. With wireless controller pad			3.1.4.8. Installation of robot API ROS libraries and testing		Item No.	Specification	Statement of Compliance	1	Mobile Robot Platform (including sensors and peripherals) – One (1) Lot			3.1.4. One (1) Computer Board			3.1.4.1. CPU: At least 2.7GHz Intel i5-4570TE or equivalent/better			3.1.4.2. Memory: At least 8 GB RAM			3.1.4.3. Storage: At least 120GB SATA2 SSD			3.1.4.4. Minimum connectivity: 2x RS-232, 10x USB 2.0, 2x GigE, PCI Express			3.1.4.5. 120W power supply or better			3.1.4.6. WiFi adapter included			3.1.4.7. Wireless controller included			3.1.4.8. ROS/Ubuntu configuration files included			3.1.4.9. Vehicle mounting and wiring included	
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ADDITIONAL INSTRUCTION/S: Prospective bidder/s are required to amend the form to update existing information.

Please be guided accordingly.

Prepared by:

KATHERINE B. RAMOS
Head, BAC Secretariat

Approved by:

GERWIN P. GUBA
Chairperson, BAC