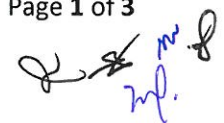


## SUPPLEMENTAL \ BID BULLETIN NO.1

This Supplemental/Bid Bulletin is issued to modify, amend or clarify items in the Bidding Documents for the project: Development of a Computerized Integrated Parcellary Mapping in the Creation of the Corresponding Geographic Information System to be used in the Land Parcellation Survey of the Clark Civil Aviation Complex. This shall form an integral part of the bidding documents for the above-mentioned project.

- I. Please be informed that the deadline for the Submission of Bids for the above-mentioned project shall be re-scheduled from 30 July 2019 (Tuesday), 2:00 pm to 1 August 2019 (Thursday), 2:00 pm. All bids must be submitted at the Records Management Office (RMO), CIAC Corporate Office Building. Late bids shall not be accepted. Further, the Opening of Bids shall be conducted also on 1 August 2019 (Thursday), 2:15 pm at the CIAC Board Room, Corporate Office Building, Clark Freeport Zone, Pampanga.
- II. The following are the requests for clarification and query submitted by Jorich Tech Solutions Inc., and corresponding remarks and/or instructions made by the BAC members and the Office of Primary Responsibility (OPR):

Item	Queries \ Clarification	Remarks \ Instructions																
1	<p>Clarification from Richmond Joaquin of Jorich Tech solutions Inc.</p> <p>With regard to the Bill of Quantities, may we seek clarification as to the correct or acceptable format to be accomplished and submitted. Shall it be Bill of Quantity 1 comprising of the required goods and provision of services to be delivered or Bill of Quantity 2 comprising of the breakdown for the required goods and provision of services based on the schedule of delivery? Attached to the request for clarification is the format for the Bill of Quantity 1 and 2.</p>	<p>To align the <b>Bill of Quantity Form</b> (<i>on page 97</i>) with that of the <b>Basis and Scope of Payment</b> and the <b>Schedule of Delivery for the Goods and Services</b> (<i>on pages 80-86</i>), the format of the Bill of Quantity Form has been updated given that the said form shall be used by the winning bidder to bill CIAC for its goods provided and services rendered, accordingly. Attached is the updated format of the Bill of Quantity (BOQ) Form.</p> <p>CIAC is expecting three (3) deliveries within 100 calendar days from receipt of Notice to Proceed as shown on the schedule below:</p> <table border="1" data-bbox="778 1780 1401 1953"> <thead> <tr> <th colspan="4">Schedule of Delivery for the Goods and Services</th> </tr> <tr> <th colspan="4">100 Calendar Days</th> </tr> <tr> <th>Particulars</th> <th>1st Delivery</th> <th>2nd Delivery</th> <th>3rd Delivery</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Schedule of Delivery for the Goods and Services				100 Calendar Days				Particulars	1st Delivery	2nd Delivery	3rd Delivery				
Schedule of Delivery for the Goods and Services																		
100 Calendar Days																		
Particulars	1st Delivery	2nd Delivery	3rd Delivery															



		(30 calendar days)	(35 calendar days)	(35 calendar days)
Delivery (%)	35%	50%	15%	
Cumulative Delivery	35%	85%	100%	

Please see the attached updated format of the Bill of Quantity (BOQ) Form. All bidders are instructed to utilize the revised or updated format of the BOQ attached to this Supplemental/Bid Bulletin.

2 Clarification from Richmond Joaquin of Jorich Tech solutions Inc.

With regard to the Autocad license software, it was discussed during the Pre-bid Conference that, a one (1) year validity period or one (1) year subscription will be required. However, we noticed in the bidding documents that the warranty for the installation of goods is three (3) years. May we be clarified on the required warranty.

Clarifications and updates on the details of the required warranty period and after sales services requirements are itemized on the table below.

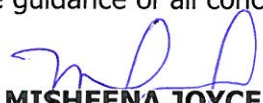

No.	Item	Warranty period and Support Services
1	Project Management and System Warranty and Support <ul style="list-style-type: none"> <li>• <b>Warranty Service</b>                (on page 71 item 4.a, page 79 item 19.a, page 85 item 4.a, page 94 item 4.a amended Bill of Quantity – 3<sup>rd</sup> Delivery item 4.a)</li> </ul>	Warranty services for one (1) year from date of system acceptance by the user/s for all application systems shall be provided
2	Autocad License Software	One (1) year warranty 8x5 Support
3	Cad Earth License Software	One (1) year warranty 8x5 Support
4	Warranty <ul style="list-style-type: none"> <li>• 3/3/3 years</li> </ul>	Standard warranty of 3/3/3 years and



		standard warranty • 8x5 support	8x5 support for all hardware and spare parts shall be applied.
5	After Sales Services	<p>1. The supplier shall submit a certificate of warranty on parts for a minimum period of three (3) years from the date of completion and acceptance.</p> <p>2. Certificate of availability of spare parts for three (3) years after the lapse of warrant</p>	<p>A notarized warranty certificate on parts for a minimum period of three (3) years from the date of completion and acceptance shall be submitted by the winning bidder.</p> <p>A certificate of spare parts availability for three (3) years after the lapse of warranty shall no longer be required.</p>
<p>Kindly note that the abovementioned updates on the warranty and after sales services requirements shall be applied on the following sections of the bidding documents: Section VI. Schedule of Requirements; Section VII. Technical Specifications; Basis and Scope of Payment, Statement of Compliance; Bill of Quantity Form; and all other parts of the bidding documents pertaining to this matter.</p>			

CIAC reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance to Section 41 of R.A. 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.

For the guidance of all concerned.

  
**ATTY. MISHEENA JOYCE C. TIATCO**  
 Vice Chairperson, BAC 

Issued on: 23 July 2019

### BILL OF QUANTITY FORM

Project Title: Development of a Computerized Integrated Parcellary Mapping in the Creation of the corresponding Geographic Information System to be used in the Land Parcellation Survey of the Clark Civil Aviation Complex

Location: Civil Aviation Complex, Clark Freeport Zone

Name of Bidder: \_\_\_\_\_

Bid Amount in Words: \_\_\_\_\_

Item No.	Description/Specification	Qty	Unit Cost (Php)	Total Cost or Amount (Php)
<b>A.1<sup>st</sup> Delivery – Thirty (30) calendar days (Percentage Delivery – 35%)</b>				
<b>Goods</b>				
1	<b>COMPUTER SETS – <u>Three (3) units</u></b> a. Processor 1. i7-7700 (QC / 8MB / 8T /3.6 GHz / 65W) b. Chipset 1. Q270 Chipset c. Memory Type 1. 2400 MHz DDR4 Memory d. Memory Max 1. 32GB (4x 8GB) 2400 MHz DDR4 Memory e. Graphics 1. 2 GB Video Card GDDR5 PCI-E f. HD Capacity 1. 1 Unit - 240 GB SSD Hard Disk Drive 2. 1 Unit - 1TB 7.2k RPM SATA 6Gbps Entry 3.5 in cabled Hard Drive g. Optical 1. 8x DVD +/- RW Drive (Reads and Writes to DVD CD) h. Monitor 1. 22” Widescreen Flat Panel Monitor i. USB Mouse and Keyboard j. Connectors 1. Front i. 2 external USB 3.1 Gen 1 ports (1 using Type C Data Connector) ii. 2 external USB ports iii. 1 combo audio port 2. Rear i. 4 external USB 3.1 Gen 1 connector ii. 2 external USB 2.0 connectors iii. 4 internal USB 2.0 connectors iv. 2 PS/2 Ports v. 1 Serial Ports vi. 1 RJ – 45 (LAN)			

	<p>Connector)</p> <p>vii. 2 Display Port 1.2 Connector</p> <p>viii. 1 HDMI 1.4 Port</p> <p>ix. 1 Line-out Audio</p> <p>x. 1 Power Connector Port</p> <p>k. Audio</p> <p>1. Realtek ALC3234 High Definition Audio Coded (integrated, supports multiple streaming)</p> <p>l. Speaker</p> <p>1. Internal speaker (mono)</p> <p>m. Power Supply 700 watts</p> <p>n. Operating System</p> <p>1. 64 bit Professional Operating System released on 29 July 2015</p> <p>2. 64 bit OS Recovery</p> <p>o. UPS</p> <p>1. 650VA</p> <p>p. Warranty</p> <ul style="list-style-type: none"> <li>▪ 3/3/3 years standard warranty</li> <li>▪ 8 x 5 Support</li> </ul> <p>q. After Sales Services Requirements</p> <p>A notarized warranty certificate on parts for a minimum period of three (3) years from the date of completion and acceptance shall be submitted by the winning bidder.</p>			
2	<p><b>AUTOCAD LICENSE SOFTWARE</b> (with paper license named under CIAC) – <b><u>Four (4) units</u></b></p> <p>Warranty</p> <ul style="list-style-type: none"> <li>▪ 1 year warranty</li> <li>▪ 8 x 5 Support</li> </ul>			
3	<p><b>CAD EARTH LICENSE SOFTWARE</b> – <b><u>Three (3) units</u></b> (with paper license named under CIAC)</p> <p>Warranty</p> <ul style="list-style-type: none"> <li>▪ 1 year warranty</li> <li>▪ 8 x 5 Support</li> </ul>			
<b>Services</b>				
1	To develop an Integrated Mapping System, including the computerization of Parcellary Mapping in the creation of the GIS.			
2	To identify and determine the Philippine Reference System of 1992 (PRS-92) and World Geodetic System (WGS-84) as reference coordinating systems for all survey and mapping activities.			
3	To integrate in CADD and GIS the accurate positioning the following coordinates (monuments): PMG3015, CBM24, CBM25, CBM26, HANGAR located in Clark International Airport and physically re-install monuments of			

	the aforesaid coordinates in the ground.			
4	To determine the area boundaries of the City of Angeles and City of Mabalacat within the Clark Civil Aviation Complex through plotting of technical description based on the approved plan, lot data computation, or lot description from the Land Management Bureau which is an up-to-date representation of the technical description of real properties located within CCAC.			
5	To develop an automatic appearance of technical description (starting point, bearing and distance) in CADD Software or equivalent software upon plotting of lot.			
6	To provide semi-monthly status reports (in word and powerpoint) every 16 <sup>th</sup> and 30 <sup>th</sup> /31 <sup>st</sup> of the month. Aforesaid reports detail the development of the activities and progress towards the milestone targets, a review of contingencies, and risk analysis relative to the project's timeline.			
<b>2<sup>nd</sup> Delivery – Thirty Five (35) calendar days (Percentage Delivery – 50%; Cumulative Delivery 85% )</b>				
<b>Goods</b>				
1	<b>INKJET PRINTER – <u>Three (3) units</u></b> a) Printing Method : a. On-Demand inkjet (Piezo Electric) b) Nozzle Configuration : a. 360 Nozzles Black, 59 Nozzles per Color c) Maximum Droplet Size a. 3 pl d) Ink Technology a. Dye Ink e) Printing Resolution a. 5,760 X 5,706 DPI f) Printing Speed ISO/EIC 24734 a. 15 Pages/min Monochrome, 5.5 Pages/min Color g) Printing Speed a. 17 Pages/min Color (plain paper 75 g/m <sup>2</sup> ), 30 pages/min Monochrome (plain paper 75 g/m <sup>2</sup> ) h) Colors : Black, Cyan, Yellow, Magenta i) Paper Format a. A3+, A3, A4,A5, A6, B4, B5, C6 (Envelope), DL (Envelope), No. 10 (Envelope), 10 x 15 cm, 13 x 18 cm, User Defined, Legal j) Output Tray Capacity 40 Sheets k) Paper Tray Capacity a. 100 Sheets Standard, 20 Photo Sheets l) Media Handling a. Manual Duplex			

	<p>m) Supply voltage</p> <ol style="list-style-type: none"> <li>a. AC 100V – 240 V, 50 Hz – 60 Hz</li> </ol> <p>n) Compatible OS</p> <ol style="list-style-type: none"> <li>a. MAC OS 10.5, Windows 7, Windows 8, Windows Vista, Windows XP</li> </ol> <p>o) Interfaces USB</p> <p>p) Driver and Utilities (CD)</p> <p>Warranty</p> <ul style="list-style-type: none"> <li>▪ 3/3/3 years standard warranty</li> <li>▪ 8 x 5 Support</li> </ul> <p>After Sales Services Requirements</p> <ul style="list-style-type: none"> <li>▪ A notarized warranty certificate on parts for a minimum period of three (3) years from the date of completion and acceptance shall be submitted by the winning bidder.</li> </ul>			
2	<p><b>GLOBAL POSITIONING SATELLITE (GPS) GADGETS HANDHELD WITH FULL ACCESSORIES – <u>Two (2) units</u></b></p> <p>a. Physical &amp; Performance</p> <ol style="list-style-type: none"> <li>1. Physical dimensions: 2.6" x 6.0" x 1.2" (6.6 x 152.2 x 3.0 cm)</li> <li>2. Display size, WxH: 1.4" x 2.1" (3.6 x 5.4 cm); 2.6" diag (6.6 cm)</li> <li>3. Display resolution, WxH: 128 x 160 pixels</li> <li>4. Display type: 4 level gray LCD</li> <li>5. Weight: 7.2 oz (203.1 g) with AA batteries</li> <li>6. Battery: 2 AA batteries (not included)</li> <li>7. Battery life: +18 hours</li> <li>8. Water rating: IPX7</li> <li>9. High-sensitivity receiver: Yes</li> <li>10. Interface: Serial and USB</li> </ol> <p>b. Maps &amp; Memory</p> <ol style="list-style-type: none"> <li>1. Waypoints/favorites/locations: 1,000</li> <li>2. Routes: 50</li> <li>3. Track log: 10,000 points, 100 tracks</li> </ol> <p>c. Features:</p> <ol style="list-style-type: none"> <li>1. Floats: Yes</li> <li>2. Hunt/fish calendar: Yes</li> <li>3. Sun and moon information: Yes</li> <li>4. Area calculations: Yes</li> </ol> <p>Warranty</p> <ul style="list-style-type: none"> <li>▪ 3/3/3 years standard warranty</li> <li>▪ 8 x 5 Support</li> </ul> <p>After Sales Services Requirements</p> <ul style="list-style-type: none"> <li>▪ A notarized warranty certificate on parts for a minimum period of three (3) years from the date of completion and acceptance shall be submitted by the winning bidder.</li> </ul>			

Services				
1	To conduct actual physical survey with monuments for five (5) locations within the CCAC as identified by the CIAC Corporate Planning Department.			
2	To facilitate a Table Top Survey of the 2,367 hectares of the CCAC and develop its GIS based on the existing CCAC layout, on the four (4) phases of the CCAC Master Plan (Phase 1 to Phase 4), and other development plans within the Clark Freeport Zone			
3	To digitize all topographic data and existing improvements in the 2,367-hectare CCAC such as buildings, roads, road networks, rail alignments, right of way, rivers, and other topographic data.			
4	To plot and digitize each parcel of land, road, road network, and right of way with its respective technical description using CADD Software or equivalent software with aerial photography and satellite image.			
5	To integrate and multi-layer the existing CCAC layout, the four (4) phases of the Approved CCAC Master Plan, and other Clark Freeport Zone developmental plans using CADD Software or equivalent software that can be linked to the GIS in both kmz and CADD file formats, and in other formats as deemed appropriate.			
6	To integrate and multi-layer the road network, utilities, and topographic maps of the CCAC with an area of 2,367 hectares using CADD Software or equivalent software that can be linked into GIS in both kmz and CADD file formats and in other formats as deemed appropriate.			
7	To provide a system-generated Site Profile Map for each plotted parcel in the CCAC containing the description/information of each parcel of the existing CCAC layout, the four (4) phases of the CCAC Master Plan (Phase 1 to Phase 4), and other development plans within the Clark Freeport Zone such as boundaries, location, land area, land use/lease term, existing structure information, utilities, and road condition among others as attached and identified in Annex 1.			
8	To identify and plot the CCAC's land area (including the land description/information) that is being occupied by informal settlers based on the data provided by CIAC.			
9	To provide the required IT equipment and software including installation for the development, implementation, and management of the CCAC GIS: computer sets, printers, global positioning satellite gadgets, Autocad license software, and CAD earth license software within			



	one hundred (100) calendar days upon receipt of the Notice to Proceed.			
<b>3<sup>rd</sup> Delivery – Thirty Five (35) calendar days (Percentage Delivery – 15%; Cumulative Delivery 100% )</b>				
<b>Services</b>				
1	To encode all technical description of a plotted lot in a Lot Description format (electronic copy, excel file) including actual photo or image of the lot.			
2	To integrate the existing database system of CIAC and link the same into the whole base map with automatic viewing of the general information of a particular lot, vicinity map, lot description and available land.			
3	<p><b>TRAININGS AND COACHING</b></p> <p>a. Provision of trainings and coaching session to all the concerned CIAC personnel for knowledge and technology transfer and provision of four (4) copies physical and electronic copies of the manual of operations. The concerned personnel who will be the end-users of the system are from the following departments:</p> <ol style="list-style-type: none"> <li>1. Management Information System Department (MIS)</li> <li>2. Corporate Planning Department (CPD)</li> <li>3. Engineering and Maintenance Department (EMD)</li> <li>4. Marketing Department (MD)</li> </ol> <p>b. Provision of short training courses for eight (8) concerned CIAC personnel within one (1) year of project deployment covering the topics related to the project but not limited to Land Use Planning; Geographic Information System; and Google Earth by a recognized institution with specialization on the aforesaid fields in the Philippines as determined by the Corporate Planning Department.</p>			
4	<p><b>PROJECT MANAGEMENT AND SYSTEM WARRANTY AND SUPPORT</b></p> <p>a. Warranty Service: Warranty services for one (1) year from date of system acceptance by the user/s for all application systems shall be provided.</p> <p>b. Support Hotline: A user support hotline (landline and mobile) shall be made available to receive calls from Monday to Friday during office hours, except holidays. Availability of support hotline shall be from project commencement up to warranty period.</p> <p>c. Technical Support Service: A Technical Support Plan for technical support service for all hardware and software components as well as for the system after the warrant period shall be included in the Technical</p>			

	Proposal. A technical support officer will be designated to handle and manage CIAC's concerns. Options for annual maintenance and support contract as well as on-call support shall be detailed.			
5	<p><b>SECURITY FEATURE AND INTELLECTUAL PROPERTY RIGHTS</b></p> <p>a. To devise/provide a security feature to protect the end-product of the project including all CIAC data/information and other related data/information used in the project from infringement.</p> <p>b. The ownership of the end-product of the project including all data/information, documents, references, and other related data/information used to implement and complete the project shall be with CIAC; and shall be protected by intellectual property rights under Republic Act No. 8293 and any copyright infringement shall be punishable to the fullest extent of the law.</p>			
6	<p><b>CONFIDENTIALITY AGREEMENT</b></p> <p>a. It is understood and agreed to by the winning bidder that all data/information, documents, references, and other related data/information provided by CIAC shall be used with utmost confidentiality and for the sole purpose of the project; and all of the aforementioned items must be kept confidential.</p>			
<b>Total</b>				

Total Bid Amount: \_\_\_\_\_

Bid Amount in Words: \_\_\_\_\_

Bidder's Representative: \_\_\_\_\_

Designation: \_\_\_\_\_