



## SUPPLEMENTAL / BID BULLETIN NO. 3

### Contract No. NITIF-AMIS-2018

Establishment of Network and IT Infrastructure Facilities  
AND  
Design, Development, Testing and Deployment  
of Asset Management Information System  
08 March 2019

Please be advised of the following clarifications/revisions to the Technical Specifications:

Section	(Actions) / Original Text	(Actions) / Amendments
NITIF Terms of Reference Section E.1.C. item [i]	(Delete) [i] <i>Structured Cabling for a minimum of three hundred (300) nodes (supports voice and data) and Network Switches;</i>	(Replace With) [i] Structured Cabling for a minimum of three hundred (300) nodes (supports voice (150) and data (140 in 4th and 5th floor and 10 in 3rd floor)) and Network Switches; (Interested Bidders are advised to inspect the locations)
NITIF TOR Section M. Annexes, NITIF Annexes Sub Section B. Technical Specifications Item Number 4. Wireless Access Points:	<ol style="list-style-type: none"><li>1. Managed via the Web with the cloud management platform.</li><li>2. License subscription, should be with license</li><li>3. Quad-radio, cloud-managed 2x2:2 802.11ac Wave 2 access point with MU-MIMO support.</li><li>4. Provides a maximum 1.3 Gbps* aggregate frame rate with concurrent 2.4 GHz and 5 GHz radios. A dedicated third radio provides real-time WIDS/WIPS with automated RF optimization. An integrated Bluetooth Low Energy (BLE) radio delivers beacon and scanning capabilities</li><li>5. Maximal ratio combining (MRC) &amp; Beamforming</li><li>6. 20 and 40 MHz channels (802.11n), 20, 40, and 80 MHz channels (802.11ac)</li><li>7. Up to 256 QAM on both 2.4 GHz and 5 GHz bands</li></ol>	(Additional Specifications Requirement) 8. PoE Compatible
Section C. Definition of Terms, Item 3. Hardware	(Delete) 3. Hardware refers to physical machines, devices,	(Replace With) 3. Hardware refers to physical machines, devices, parts or

	parts or components such as computer servers, desktops, laptops, network equipment, computer peripherals, data storage with maintenance support and warranty for at least three (3) years from the manufacturer, dealer, reseller or supplier, reckoned from the date of acceptance thereof.	components such as computer servers, desktops, laptops, network equipment, computer peripherals, data storage with maintenance support and warranty for at least one (1) year from the manufacturer, dealer, reseller or supplier, reckoned from the date of acceptance thereof.
Section E.1.c.ii Renovation of IT Infrastructure Facility in item 4. Sub-item (f) Ceiling	(Delete) (f) Ceiling • Installation of ceiling (data and power cables and pipes) • Open Ceiling/Off White Paint Finish	(Replace With) (f) Ceiling • Installation of overhead data and power cables and pipes • Open Ceiling / Black Paint Finish for Data Center and IT Work Area
Section E. Duties and Responsibilities, 1.c.i Structured Cabling	1) Supply of labor, delivery and installation of various network equipment, cable and components for a minimum of three hundred (300) nodes. 2) Conduct on-site survey and provisions of appropriate site specifications for the supplied equipment. 3) Submit Bill of Materials for the project including software and hardware and its related network architecture, as necessary. 4) Provide in-house wiring, including the Telco lines, from the cable entrance to the network rack where the modem, routers and switches are located. 5) Supply, delivery and pulling of Category6 cable. 6) Supply, delivery and installation of metal support for Cable Gutter, PVC conduits and other consumables. 7) Submission of Project Management Plan 8) Mobilization/Demobilization	(Additional Requirement) 14. Provide a fiber-optic backbone connection from the server room at 5th floor going to 4th floor. 15. Cables running on ceiling must use EMT pipes. All others will use plastic conduits.



	<p>on</p> <p>9) Testing and commissioning of installed components</p> <p>10) Migration to new cabling environment/equipment and components</p> <p>11) Removal of existing cabling with minimal service disruption.</p> <p>12) Line Continuity Testing</p> <p>13) End to end Tagging and Labelling</p>	
<p>Section M. Annexes, NITIF Annexes Sub Section B. Technical Specifications Item Number 1.6</p>	<p>(Delete) Auxiliary</p>	<p>(Replace With) Auxiliary (for IT Infrastructure Facility)</p>
<p>Section J. Duration of Work Item 1. NITIF</p>	<p>The Contractor shall complete the delivery and installation of work within One Hundred Twenty (120) calendar days from the date of receipt of Notice to Proceed. A pre-construction conference shall be done 5 days upon receipt of Notice to Proceed and shall be scheduled by the assigned Project Manager of the contractor, to present how it intends to implement the project.</p>	<p>The Contractor shall complete the delivery and installation of work within One Hundred Twenty (120) calendar days from the date of receipt of Notice to Proceed. A pre-construction conference shall be done 5 days upon receipt of Notice of Award and shall be scheduled by the assigned Project Manager of the contractor, to present how it intends to implement the project.</p>
<p>NITIF TOR Section M. Annexes, NITIF Annexes Sub Section B. Technical Specifications Item Number 1.3 Electrical Works Sub Item 1</p>	<p>(Delete)</p> <p>1. Electrical Panel Board for I/O UPS, ACU, Fire Suppression (Provision), CCTV and ACS (Provision)</p>	<p>(Replace With)</p> <p>1. Electrical Panel Board for I/O UPS, ACU, Fire Suppression (Provision), CCTV (5 units with 1 month data retention) and ACS (Provision)</p>
<p>NITIF TOR Section M. Annexes, NITIF Annexes Sub Section B.</p>	<p>1. Finkey Access II</p> <p>2. Electronic Door Security Lock System</p> <p>3. Device and System Installation</p>	<p>(Additional Requirement)</p> <p>6. LED TV, at Least 60" (for Monitoring)</p>

<p>Technical Specifications Item Number 1.6 Auxiliary (for IT Infrastructure Facility)</p>	<p>4. Fixed Indoor Dome Camera HD 1080P (2MP)- Turbo HD Dome Camera HD1080p, 2MP CMOS Sensor, 24 pcs LEDs, 20m IR, Outdoor IR Eyeball, ICR, 0.1 Lux/F1.2, 12</p> <p>5. 8CH H.264+ TURBO HYBRID DVRD, 8 channels HD DVR- up to 3MP resolution all channels plus 8 channel IP Video Input up to 8MP resolution.</p>	
<p>NITIF TOR Section M. Annexes, NITIF Annexes Sub Section B. Technical Specifications Item Number 1.1 Civil Works, item no. 1 and 3</p>	<p>(Delete items 1, 3 and 4)</p> <p>1. Two (2) Hours Fire Resistant Double Wall (DC Enclosure) - 22.5 sq. meter (5.0 mtrs x 4.5 mtrs)</p> <p>2. Metal Door Double with tempered Glass Viewing Wire Grid</p> <p>3. Anti-Static Vinyl Tiles – 22.5 sq. meter (5.0 mtrs x 4.5 mtrs)</p> <p>4. Acoustic Ceiling – with an area of 22.5 sq. meter (5.0 mtrs x 4.5 mtrs) and acoustic ceiling dim. .72 sq. meters (1.2 mtrs x .60 mtrs)</p>	<p>(Replace Items 1 and 3 with)</p> <p>1. Two (2) Hours Fire Resistant Double Wall (DC Enclosure)</p> <p>3. Anti-Static Vinyl Tiles – 96 sq. meter (12.0 mtrs x 8.0 mtrs)</p> <p>(Delete Item Number 4)</p>
<p>Section M. Annexes, NITIF Annexes Sub Section B. Technical Specifications Item Number 16. Air Conditioning Unit</p>	<p>2-tonner floor-type (inverter)</p>	<p>(Additional Specifications)</p> <ul style="list-style-type: none"> <li>- support floor type A/C unit</li> <li>- up to 2 A/C can be connected per controller for load scheduling (sequence operation)</li> <li>- distally promenade timer settings</li> <li>- automatic activation of unscheduled A/C</li> <li>- internal buzzer to indicate failed status</li> <li>- support external audile sounder</li> <li>- auto switch back to load schedules upon restoration from abnormal terms condition</li> </ul>

  
**LEONOR C. CLEOFAS CESO IV**  
 Chairperson  
 Bids and Awards Committee