



Republic of the Philippines
METROPOLITAN WATERWORKS AND SEWERAGE SYSTEM

SUPPLEMENTAL/BID BULLETIN NO.2

Supply and Delivery and Installation of
Network and IT Infrastructure Facilities (NITIF)
Contract No. SDI-NITIF-2019

To all Prospective Bidders:

Please find hereunder the answers to queries raised during the Pre-Bid Conference held last 24 June 2019 regarding the above-mentioned contract. Questions repeated were only stated here once, kindly read all the questions from all the prospective bidders for your reference:

MARALINUX AND BUSINESS SOLUTIONS		
Item/Particular	Questions	Answer
G. Technical Specifications – A1. WALL WORKS	Regarding the double wall with gypsum board, is it with or without rockwool Insulation?	The double wall with gypsum board should be with rockwool insulation in between.
	What is the size of tempered glass wall and thickness?	The dimension of tempered glass wall (frameless) should be 4 ft. x 8 ft. x 0.5 inches.
	What is the standard finished height?	The standard finished height should a minimum of 8 feet.
	What is the finished height of the zocalo?	The finished height of the zocalo should be a minimum of 12 inches.
	What is its finished thickness?	Its finished thickness should be a minimum of 4 inches.
	What is the final color of the walls?	The final color of the walls should be an off-white color.
	Any pantone reference number? Paint brand?	There is no pantone reference number or paint brand.
	What is the pantone color of ceiling elastomeric paint?	There is no pantone color of the ceiling elastomeric paint, as long as it is Flat Black

<p>G. Technical Specifications – A2. CEILING WORKS</p>	<p>IT Room to be provided with new ceiling material?</p> <p>Fixed or Acoustic Board and what size?</p>	<p>IT Room does not have new ceiling materials on both IT Room and server room. The works will include dismantling of existing acoustic ceiling and aircon duct.</p> <p>There is no fixed or acoustic board to be supplied.</p>
<p>G. Technical Specifications – A3. FLOOR WORKS</p>	<p>Raised Flooring System – What is its rolling load or uniform load bearing capacity?</p> <p>With or without metal tube stringers?</p> <p>What is the percentage opening of the perforated raised flooring system for cold isle?</p> <p>Raised Flooring System – Bare or with HPL Anti-static tile finish?</p> <p>What is the pantone color for elastomeric paint for server room?</p> <p>Staff Area Vinyl Tiles – is this an anti-static tile with copper flat strip grounding system?</p>	<p>The raised flooring system should have a uniform load bearing capacity Minimum of 1,500 pounds.</p> <p>It should be with metal tube stringer, with a minimum of height of raised flooring is 460mm (18”).</p> <p>It should be a minimum of 45%.</p> <p>It should be with HPL Anti-static</p> <p>There is no pantone color for elastomeric paint for the server room, as long as white color is used.</p> <p>No, it is not an anti-static tile with copper flat strip ground system.</p>
<p>G. Technical Specifications – A4. DOOR WORKS</p>	<p>Swing IN to Server Room or Swing OUT from Server Room?</p> <p>Thickness?</p> <p>Tempered or none?</p> <p>Glass Door Color – Bronze or clear?</p> <p>What is the Design of Handle for both side?</p>	<p>The door must swing out.</p> <p>Thickness must be 12.7mm minimum.</p> <p>It must be tempered glass.</p> <p>Color should be clear.</p> <p>Design should be Stainless Type Door Handle.</p>

	Biometric Door Lock – Dropped Bolt or Magnetic Lock?	It should be Magnetic lock .
G. Technical Specifications – B2. DATA CENTER LIGHTINGS	Roughing-ins PVC Pipes – allowed only as embedded to concrete?	All roughing-ins on electrical conduit pipes shall be EMT .
G. Technical Specifications – B3. UNINTERRUPTIBLE POWER SUPPLY	What is the building existing Power supply? Will it fit to the UPS requirement of 400VAC Wye?	UPS voltage input shall be 480VAC , 3-PH, 60 HZ. No , you should supply 480 VAC.
G. Technical Specifications – C. GENERATOR SET 100 KVA	Provide and identify where Genset Location is. Where is the main tapping point from Normal Electrical Feeder Line? What is the loading capacity of the current identified room/area for the Genset? Availability of area for Day-Tank Storage System? Availability of proper Exhaust System?	The Genset Location is at the electrical and pump room at the basement of MWSS multi-purpose building . The main tapping point is also located in that area. The loading capacity for the Genset is 100 KVA. Yes , there is existing day-tank storage system. Yes , there is available space for proper exhaust system.
G. Technical Specifications – E1. DATA RACKS	Perforated Front Metal Panel, or Bronze Flexi-glass type?	It must be a Perforated Front Metal Panel.
	Branded Type (like APC Eaton) or locally fabricated – acceptable?	Branded type is preferable.
	Cold Isle containment system – complete specs and material to be use?	No complete specs is provided . The preferred material to be used is flexi glass and aluminum materials.
	Cold isle containment if pushed through would make no “ACCESS” by FM200 in case of event or fire. Additional detector is needed to cover cold isle containment including discharge nozzle	To provide additional detector and nozzle to the cold isle containment as needed. Yes , to provide additional detector and nozzle to the cold isle containment as needed.
G. Technical Specifications – E2. AIR QUALITY MONITORING	Can we have additional specifications, if available for Air Quality Monitoring System.	The Air Quality Monitoring shall conform with ISA Standard 71.04 .

	<p>Any required size of Particle Mass (PM) to be filtered or volume to be monitored?</p> <p>Will it be Optical Type with TCP/IP compliant communication protocol?</p>	<p>Yes, as needed.</p> <p>Yes, as needed.</p>
G. Technical Specifications – E5. ACCESS CONTROL SYSTEM	Do we only provide access control (1set) for Server Room and none for the IT Room Door?	Yes , access control is only for the Server Room, and none for the IT Room Door.
G. Technical Specifications – F. STRUCTURED CABLING COMPONENTS (3 rd , 4 th , and 5 th floor)	Can we have floor plan with assigned nodes per area, per room and per floor level?	Nodes will be assigned per work area as indicated in attached floor plan . 230 nodes will be assigned during the actual structured cabling layout.
G. Technical Specifications – F1. FIBER OPTIC BACKBONE (5 th to 4 th floor)	<p>What type of Multimode Fiber is required – OM1, OM2, OM 3 or OM4?</p> <p>The supply of 1GbaseT Transceiver Module – Will this be part of the Network Switch to be supplied as per Item G of the TOR?</p>	<p>The Multimode Fiber required is OM2 or OM3.</p> <p>No, it will not be part of the Network Switch but it will be supplied separate from the Network Switch.</p>
SMS GLOBAL TECHNOLOGY		
Item/Particular	Questions	Answers
	Provide the date and time of site inspection	Site inspection shall be on June 27, 2019 at 10:00am .
MULTIFOLD LINK		
Item/Particular	Questions	Answers
E. CONTRACTOR'S QUALIFICATIONS	Do you require training certificates?	Yes , the reseller or contractor will issue a certification stating that the person/s who will undertake the installation is/are qualified.
G. TECHNICAL SPECIFICATIONS	Do Fire Suppression and UPS also needed certification?	Yes , installer/s of fire suppression and UPS will also have to be certified. This also includes installers of servers, stand-by gen set, PACU,

	<p>and addresses, number and duration of visits)</p> <ul style="list-style-type: none"> • Web base help desk/ticketing • Have internal messenger (chat) • Can list down all information about devices connected to a specific computer • Can audit (history) of connections and operations on mobile devices and network shares 	<p>Yes this is required.</p> <p>Yes this is required.</p> <p>Yes this is required.</p> <p>Yes this is required.</p>
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E. CONTRACTOR'S QUALIFICATIONS	Do you require the submission of training certificates as a proof of evidence? Do you also require training certificates as a proof of evidence? Do you also require training certificates for CCTV, UPS and Fire Suppression System because they are also major components of the Data Center?	No, we do not submission of training certificates as a proof of evidence to contractor's qualifications. Same answer to the second and third question. However, the reseller or contractor should issue a certification stating that the person who will undertake the installation is qualified.
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COMFAC CORPORATION

Item/Particular	Questions	Answers
G. Technical Specifications – A1. WALL WORKS	Is it fire rated? Do you require 1 hour?	Yes. Type X (16mm) Gypsum with a minimum fire rating of 1 hour.
G. Technical Specifications – E3. TEMPERATURE AND HUMIDITY SENSOR	For humidity, temperature sensor and water leak – standalone or integration?	Separate or stand-alone systems is required.
G. Technical Specifications – F1. FIBER OPTIC BACKBONE (5 th to 4 th floor)	Fiber Optic Backbone required 1000 Base T Transceiver module, how many units?	2 units is required.
	Termination Kit – Passive or Fusion?	Fusion type termination kit is required but there is no preferred brand.
	G6 Storage, how many servers will connect?	4 servers will connect, no existing servers to be connected
	Are the panel board and transformer existing?	No, they are not existing.

This Supplemental/Bid Bulletin shall form an integral part of the Bidding Documents.

For your guidance and information.

ORIGINAL SIGNED

LEONOR C. CLEOFAS, CESO IV

Chairperson, Bids and Awards Committee (BAC)