

18 August 2023

#### SUPPLEMENTAL BID BULLETIN ADDENDUM NO. 2023-014-01

# Subject: Supply, Delivery, Installation, Testing, and Commissioning of Modular Operation Disaster Recovery Facility - REBID (*Reference: PR No. 2022-10-0839 / IB No. 2023-014*)

This Bid Bulletin is being issued to all prospective bidders to clarify, amend and/or modify certain provisions in the Bidding Documents and to answer written queries and clarificatory questions during the pre-bid conference by prospective bidders, to wit:

# Queries during Pre-bid

Query	Reply
When is the deadline for the submission of queries?	Deadline of submission of queries is on Monday, 14 Aug 2023. Queries submitted beyond the said period will no longer be entertained.
CCTV Cameras require Siamese Coaxial Cables, is ethernet cable accepted as this is the type we use in our CCTV cameras?	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.
What is the process in order to conduct a site survey and until when?	Requests for Site Survey by prospective bidders, for purposes of this bid, shall be addressed to the PAGASA- BAC thru the BAC Secretariat for proper coordination with the End-user Units concerned. Schedule for the conduct thereof shall be set by the End-user Unit. Prospective bidder/s who participated in the conduct of site survey shall be issued a <b>Site Survey Certificate</b> which shall be submitted by the bidder as part of its technical proposal.

Queries from Infocentric Solutions Inc.

Query	Reply
How many <b>Digital copy</b> do we need to submit?	A complete set of digital copy of the bidder's Eligibility, Technical and Financial Proposal shall be enclosed in each copy of the bidding documents to be submitted by the bidder. The digital copy to be submitted must be stored in a USB.
For the Digital Copy, E-signature of the Authorized Bidder is acceptable in the lower right portion of all documents?	The digital copy should be a faithful reproduction of the hard copy of the documents and as such it should already have the required countersignature on the lower right portion of all the documents.
Supports data redundancy & provides at least 11TB of available storage capacity.	
Is 11TB raw or usable capacity?	The "available storage capacity" refers to "useable capacity"



Query	Reply
<ul> <li>Each server node must have a minimum of 2 Processors, 2.8GHz, 8-Cores or higher per processor. With 4 x 480G SSD, 1 x 1.9TB SSD NVMe, 6 x 2.4TB HDD Enterprise, and 4 x 64GB DDR4 RDIMM memory.</li> <li>What is the purpose/ use of the 4x480GB SSD? Is this allocated for imaging or OS?</li> </ul>	
<ul> <li>If for the OS, can we replace it with 2x980GB or 2x480GB? having 2 is already enough to handle the OS.</li> </ul>	
<ul> <li>Each server node must have at least 4 x GE ports and 4 x SFP+ ports including 2 x hot-pluggable power supply.</li> <li>Q1: What is the purpose/ use of the 4 x GE ports? Are these BASE-T ports?</li> <li>Q2: 4 x SFP+ would be enough for this requirement and will be able to provide faster and better connectivity.</li> <li>Q3: Will PAGASA provide the Top-of-Rack switch for HCI connectivity? What type of ports does the switch have?</li> <li>Hyperconverged software must be factory-installed and tested on server nodes.</li> <li>Q: Clarify what are the expectations for this. We usually install the software during the implementation phase.</li> </ul>	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.
<ul> <li>What is the real/correct project title? There are some inconsistencies in the bidding documents, please see attached file for your reference:</li> <li>Supply, Delivery, Installation, Testing and Commissioning of Modular Operation Disaster Recovery Facility - Rebid (Checklist), or</li> <li>Supply, Delivery, Installation, Testing, Training, and</li> </ul>	Please refer to the subject of the project which states - "Supply, Delivery, Installation, Testing, Training, and Commissioning of Modular Operation Disaster Recovery Facility – Rebid."
<b>Commissioning of</b> Modular Operation Disaster Recovery Facility - Rebid (Schedule of Requirements)?	

Queries from: One Commerce Corp.

Query	Reply
Document: Terms of Reference	
Reference: E. 1. B. Item 7	
Page No. 4	
Must have at least three (3) units of hyper- converged 2U server nodes in a cluster setup.	



Query	Reply
Regarding item no.1 of the technical requirement for Hyper-Converge Server System, can we position a hardware which is in 1 RU form as long as it suffices the resources needed? For item no. 7, why do we need to have 4 x GE port and	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of
4 x SFP+ ports, can we use either SFP+ or Copper ports?	the government.
Can we ask what the existing switch is to tap the HCI cluster? or can we include a top of the rack switch on the proposal?	
Document: Terms of Reference Reference: I. FAT Page No. 8	
The Factory Acceptance Test (FAT) shall be witnessed and accepted by four (4) PAGASA personnel and shall be conducted within a total of seven (7) calendar days including travel time. All related expenses, such as round-trip airfare, transportation, lodging/accommodation, and daily allowances in accordance with the prevailing UNDP rates for each participant shall be shouldered by the winning bidder.	
Aside from the Prefabricated Modular Data Center and Office Container Van, should we include an FAT for the Hyper-converged server system?	There shall be no need to have FAT for Hyper-converged server system.
Document: Checklist of Requirements Financial Requirements Reference: Section IX. Item III. Tab D. Page No. 3	
Digital Copy of Statement of Compliance (Section 7. Technical Component); the detailed cost breakdown; and, bill of quantities of Goods/Services being offered in excel format including pdf files of all the bidding documents submitted. Pdf files must be the exact replica of the original copy submitted.	
May we clarify the acceptable storage devices (flash drive, CD, etc.) to use for purposes of compliance with the submission of a digital copy? In addition, do we need to put said storage device in a separate envelope?	The digital copy to be submitted must be stored in a USB which should be included in Envelope 2 (Financial component) of the bidding documents



Quer	у	Reply	,
Document: Checklist of Req Technical Requirements Reference: Section IX. Item Page No. 3			
Authority of the Signator Certificate OR the Special F or, Owner's Affidavit, which	ower of Attorney (SPA)		
May we kindly confirm if w template attached by PAGAS/ join with a Joint Venture p appointment of an authorized	A, in the event that we will bartner? Noting that the ed representative for the	Any deviation from the temp Agreement form may be allower substantially alter and reduce needed from the said document	ed provided that it does not the required information
Project, in cases or JV, is emb Agreement. The Secretary's rather appoint an authorized partner who will sign the JVA.	Certificate, therefore, will		
Queries from: China Mobile I	nternational Ltd.		
Quer		Reply	
Minimum technical requi Modular Data Center, Ite with an adaptive LED lig of adjusting illumination	ns and Requirements, A. rements of Prefabricated m #1 It must be equipped hting subsystem capable needs, and installation and back of rack spaces,	The technical specifications indic the minimum requirements of the bidder/s may present alternative proposal/s; provided that, the responsive with the project's sp advantageous on the part of the p	e Project. Thus, prospective solutions in their respective same is compliant and pecific requirements and is
	manual LED lighting	× ×	
	8	65	



Query	Reply
<ul> <li>2) E, Technical Specifications and Requirements, B. Minimum technical specifications of the Prefabricated Modular Data Center Subsystems, Item #1 Power System (Uninterruptible),</li> <li>At least 5 minutes back up time;</li> <li>Surge protection Level-2, maximum 60kA 8/20µs;</li> <li>Three-phase, input power rating shall depend on UPS offected;</li> </ul>	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.
<ul> <li>on UPS offered;</li> <li>At least 60 KVA full load capacity or the KVA rated capacity will depend on the total power</li> <li>requirement of the system offered;</li> <li>All electrical peripherals, wires, and accessories to connect from the identified power source;</li> <li>All needed peripherals and accessories must be included.</li> </ul>	Please refer to Annex C, UPS Distribution Board is supplied by UPS.
Clarifications: Please confirm the voltage system. 230 V three-phase three-wire 60 Hz <sub>o</sub> See the following figure The following figure Three-presended to be redesigned for normal use. Why Is the Power Distribution on the UPS Front End Discovered? Are there lightning protection	
and voltage regulators at the front end?	62



Query	Reply
<ol> <li>E, Technical Specifications and Requirements, B. Minimum technical specifications of the Prefabricated Modular Data Center Subsystems, Item #5 Security Systems Must be equipped with a security surveillance system composed of multiple indoor and outdoor security cameras with at least 4TB of record storage.</li> </ol>	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.
<ul> <li>Four (4) units of 4K CCTV Camera 8CH Complete with Mobile Phone Viewing: 4 Camera Kit• 8 Channel Digital H.265 Video Recorder• 2 Units Bullet Type Outdoor 4K Camera • 2 Units Dome Type Indoor 4K Camera • Siamese Cables • Mouse, Manual, Power Adaptor with 4TB HDD and 50 inch LED TV</li> </ul>	
Clarifications: Can 4K cameras be replaced with 2K cameras?	
Must be equipped with Two (2) security door access control units secured with biometric recognition.	
Clarifications: Is the security door internal or external and does the door require a protective cover?	The security door may either be internal or external with a protective cover.
<ul> <li>4) E, Technical Specifications and Requirements, 3. ONE UNIT OF GENERATOR WITH MATCHING AUTOMATIC TRANSFER SWITCH (ATS), Item #1 Generator with matching ATS,</li> <li>With 125KVA/100KW, 220V/60Hz, 70dba,1800 engine speed</li> <li>With the provision of a bund wall (for leak containment)</li> </ul>	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.
Clarifications: The noise indicator is high, affecting the cost. The	The Generator set shall be silent type and weatherproof. The bund wall is intended for leak containment.
noise of the 1800 rpm is higher. What is a leak- proof wall? Sound proof cover?	
<ul> <li>5) Annex A_MDC Concept v3 - E1 SLD - F062323 Clarifications:</li> <li>1. There are no specific parameters in the SPDs of the power distribution boxes MDP-MDC, UDP1, RDP2, PDPs, PPs, and LPs. Please provide them. There is no front-end protection switch on the SPD in the drawing. Please confirm whether fuse protection or micro-circuit breaker protection is set?</li> </ul>	1. The interested bidder/s are allowed to offer a specific parameter as long as the proposed electrical design/plan is signed and sealed by a Professional Electrical Engineer. It should also be compliant and responsive to the project's specific requirements.
2. Output switches are not configured for outlet 4 and outlet 6 of power distribution box MDP-MDC of Are they missing? If configuration is required, please provide specific parameters.	2. MDP-MDC circuit numbers 4 & 6 are blank "SPACE" only. There's no need for configuration. Please refer to Annex B_MDC Concept v3 - E2 Load Sched.

<sup>&</sup>quot;tracking the sky...helping the country"



Query	Reply
3. Output switches are not configured for outlet 8, outlet 10 and outlet 12 of power distribution box UDP1. Are they missing? If configuration is required, please provide specific parameters.	3. UDP1 circuit numbers 8, 10, & 12 are blank "SPACE" only. There's no need for configuration. Please refer to Annex B_MDC Concept v3 - E2 Load Sched.
4. Output switches are not configured for outlet 8, outlet 10 and outlet 12 of power distribution box RDP2. Are they missing? If configuration is required, please provide specific parameters	4. RDP2 circuit numbers 8, 10, & 12 are blank "SPACE" only. There's no need for configuration. Please refer to Annex B_MDC Concept v3 - E2 Load Sched.
5. The power distribution box PDP is not configured with a switch. Are you sure you have omitted? If configuration is required, please	5. The specifications in the TOR represent the minimum technical specifications
provide specific parameters.	The interested bidder/s are allowed to offer additional electrical equipment as long as the proposed electrical design/plan is signed and sealed by a Professional Electrical Engineer. It should also be compliant and responsive to the project's specific requirements.
	Please refer to Annex B_MDC Concept v3 - E2 Load Sched.
6. The LP input switch is 50AT, 2P, and the output switch is all 3P. Are you sure you want to modify the output switch to 2P?	6. This appears to be a typographical error; branch circuits of LP shall actually be 2P. Please refer to Annex B- Lighting Panel-MDC(LP)
7. Can micro-breakers be used for switches below 63 A? The micro-breaker has an AF value of 63 A.	7. The interested bidder/s are allowed to offer different electrical equipment as long as the proposed electrical design/plan is signed and sealed by a Professional Electrical Engineer. It should also be compliant and responsive to the project's specific requirements.
8. Is there any technical requirement for the power distribution box?	8. Electrical panel boards shall at least be in NEMA Enclosure, hinged dead-front, gray coated, ga. 16, ground and neutral (if needed) busbars and w/ proper nameplates/tagging.
	Please refer to Annex B_MDC Concept v3 - E2 Load Sched for more detailed specifications.
<ol> <li>May we also request for an extension on the submission of the bid proposal for at least 7 to 10</li> </ol>	Submission of Bids:
days to give us prospective bidders ample time to study the specifications and design of our bid?	From: 23 August 2023 / 10:00 a.m. To: 29 August 2023 / 11:00 a.m.
	Opening of Bids:
	From: 23 August 2023 / 11:01 a.m. To: 29 August 2023 / 11:01 a.m.
	2nd FIr. Amihan Conference Room

Queries from: Superserve Corp.



Query	Reply
<ol> <li>The tender document states that the bid submission shall be on August 23, 2023         <ul> <li>Q. May we request that the bid submission be moved from August 23, 2023 to September 6, 2023 because of</li> <li>The complexity of the project;</li> <li>To give the manufacturer and its representative bidder ample time to assess the site conditions and design the modular data center, and;</li> <li>To give PAGASA time to answer queries.</li> </ul> </li> </ol>	Submission of Bids: From: 23 August 2023 / 10:00 a.m. To: 29 August 2023 / 11:00 a.m. Opening of Bids: From: 23 August 2023 / 11:01 a.m. To: 29 August 2023 / 11:01 a.m. 2nd Flr. Amihan Conference Room
<ul> <li>2) The tender document states bidders should have completed within three (3) years from date of submission and receipt of bids, a contract similar to the Project.</li> <li>Q. May we request that the track record allow an experience which was completed within the ten (10) year period, given the rarity of this project, which represents a one-of-a-kind endeavor. We hope that the Bids and Awards Committee would consider a more liberal interpretation in order to allow more bidders and the bidding process be more competitive as required by RA 9184.</li> <li>Q. Will PAGASA allow a track record based on 25% amount of the ABC considering the rarity of this project?</li> </ul>	The Checklist of Requirements pertaining to the bidder's SLCC that is similar in nature to the Project to be bid is hereby amended: From: within the period of 3 years To: within the period of 5 years To: within the period of 5 years Submission of "aggregate contracts" may be allowed for purposes of compliance with the SLCC requirements; provided, that, "prospective bidders should have completed at least two (2) similar contracts and the aggregate contract amounts should be equivalent to at least 50% of the ABC of the instant Project; and, the largest of these similar contracts must be equivalent to at least 25% of the ABC of the instant Project." (Section 23.4.1.3 (a & b).
<ul> <li>3) Under E. Technical Specifications and Requirements 1.B Minimum technical specifications of the Prefabricated modular data center subsystems Cooling System Cooling Technology: air cooled in-row</li> <li>Q. Will PAGASA allow an alternative cooling system of an Overhead DX Cooling System instead?</li> </ul>	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.
<ul> <li>4) Under E. Technical Specifications and Requirements 2. One unit of Office Container Van</li> <li>Q. Will PAGASA allow a locally fabricated Office Container Van?</li> <li>Q.Do we still need to submit a manufacturers certificate for this equipment?</li> </ul>	<ul><li>Q. YES, PAGASA will allow a locally fabricated Office Container Van.</li><li>Q. The manufacturer's certificate should be submitted for the equipment</li></ul>



Query	Reply
<ol> <li>5.Under E. Technical Specifications and Requirements 3. One unit of generator with matching automatic transfer switch</li> </ol>	
<ul> <li>Q. What is the rating of 125kva/100kw is it standby, prime or continuous rating?</li> <li>Q. The specification states that it is rated at 70 dba, please confirm that the generator is silent type?</li> <li>Q. How many phase(s) is required of the diesel generator set?</li> <li>Q. Does PAGASA have a specific design or drawing for the bund wall, shelter or enclosure for the generator set?</li> </ul>	<ul><li>Q1. The rating of the generator shall be Standby.</li><li>Q2. The generator is a silent type and should be weatherproof.</li><li>Q3. The generator shall be 3-phase.</li><li>Q4. None. The interested bidder/s are allowed to make an alternative offer that is compliant and responsive to the project's specific requirements.</li></ul>
<ol> <li>Under E. Technical Specifications and Requirements F Scope of Works Under item 1 it states that the bidder shall secure all permits and clearances needed for the implementation of the project.</li> </ol>	
Q. Please identify what permits and clearances are needed for this project.	All necessary permits and clearances needed for the project implementation.
7) Under E. Technical Specifications and Requirements F Scope of Works Under item 3 it states that the site shall be prepared and cleaned by removal of all objectionable materials, such as grass, trees, bushes, shrubs, etc. from the job site.	
Q. Do we need to apply for a DENR permit for the cutting of trees?	If necessary and with assistance or coordination with PAGASA management.
<ul> <li>8) Under E. Technical Specifications and Requirements F Scope of Works Under item 5 it states that the container facility must be mounted on a class "A" concrete platform with secured foundation.</li> <li>Q. Please clarify if the foundation shall be applied to both the office van and the modular data center? Also, does PAGASA have a desired design for the foundation?</li> </ul>	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.



Query	Reply
9) Under E. Technical Specifications and Requirements F Scope of Works Under item 5 Transfer of selected operational WD computing and data storage servers to the modular data center. The WD/TAU/IT team shall identify the existing server facility for transfer and shall monitor the transfer activity including assembly and disassembly.	
Q. Please identify how many units of data storage servers are needed to be transferred and provide the technical specifications together with dimensions of these servers.	<ul><li>Q1. At Least 2U with 4 nodes, 4U with 2 nodes, 3U with 7 nodes and 1U with nodes.</li><li>There are 5 servers' systems to be transferred</li></ul>
<ul><li>Q. Can we inspect the existing data storage servers?</li><li>Q. Who will provide the warranty for these existing servers?</li></ul>	<ul><li>Q2. Yes, the existing data storage servers may be inspected.</li><li>Q3. You can inspect the servers, All the servers are under warranty except for the HCI simplicity, PAGASA will assist with the Transfer.</li></ul>
10) Under E. Technical Specifications and Requirements F Scope of Works Under item 6 After completing the activity, a series of tests shall be conducted by the team to validate the working condition of the transferred servers.	
Q.Will these tests be conducted by PAGASA?	YES, the tests will be conducted by PAGASA.
11) Under Terms of Reference Item C Delivery Period and Place of Delivery	
Q. We would like to request that the delivery period be extended from one hundred eighty (180) days to two hundred seventy (270) days.	The request for extension of delivery period from 180 days to 270 days shall be DENIED. Delivery period shall remain at 180 days.

1.	Queries f	from <sup>.</sup> M	ulti-Fol	ld Lin	ks. Inc.

Redenes nom. Madel od Links, me.		
Query	Reply	
<ol> <li>Terms of Reference, Page 2 "Prefabricated Modular Data Center" "The facility shall be made up of a pre-engineered, factory- integrated, and pre-tested assembly of subsystems to be installed separately onsite, enclosed in an ISO (high cube) container which is fully insulated, sealed, and environmentally isolated within."</li> </ol>	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.	
<ul> <li>Kindly consider a purpose-built modular data center instead of using ISO container for the following reasons:</li> <li>ISO shipping containers are used for the transport of freight, it is suitable for ship, rail, and truck. They are manufactured according</li> </ul>		



Query	Reply
<ul> <li>to specifications that define a shipping container that meets size, strength, and durability requirements of the box.</li> <li>High-Cube containers are 9'6" tall and the standard containers are 8'6" tall, but they are both only 8 feet wide. The restrictive width is the primary issue with data center containers. Data racks require at-least 3.5 feet of front access for functional use and loading of servers. The back of the racks need 2 feet from the wall for cooling, electrical working clearance, and OSHA and NFPA guidelines. Standard data racks are 3.5 foot deep.</li> <li>Modular data centers provide safe clearances and have the familiarity and functionality of a standard data centers are the safest, most efficient, and most functional</li> </ul>	
<ul> <li>way to add capacity for any network.</li> <li>2) Terms of Reference, Page 2 "Prefabricated modular data center"</li> <li>2.1. What is your expected inside width of prefabricated modular data center?</li> <li>2.2.What is your required ample service space for the front and rear of data racks?</li> <li>2.3.Is the prospective bidder required to submit along with its bid the proposed design for the modular data center?</li> <li>2.4.What is the ground elevation of the modular data center ?</li> </ul>	<ul> <li>2.1, 2.2 &amp; 2.4</li> <li>Design must comply with the accepted standard for Data Center.</li> <li>2.3</li> <li>The submission of the proposed design for the modular data center is not required.</li> </ul>
<ul> <li>3) Terms of Reference, Pg. 6 "Generator with matching ATS"</li> <li>3.1. Can we use a self-excited generator which is better and industry-recommended for the data center application than permanent magnet generators because: <ul> <li>The strength of permanent magnets can be difficult to control, which can lead to issues with regulating the voltage output of the generator and can be problematic for the critical equipment in a data center.</li> <li>Permanent magnets tend to lose their magnetic strength over time which decreases the efficiency, resulting in less power output and high operational cost.</li> <li>Further, permanent magnets are often brittle and can easily break or crack if exposed to stress or impact. This can lead to costly repairs or replacement of the generator since high quality magnets are expensive and not just an ordinary off-the-shelf component.</li> </ul> </li> </ul>	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.
replacement of the generator since high quality magnets are expensive and not just an ordinary off-the-shelf	3.2 The elevation of the new genset pad should match th of the existing pad.



Query	Reply
4) Annex A and Annex B, Single Line diagram and Load schedule	For your information, the electrical design of this project is just a "CONCEPT" plan.
<ul> <li>4.1. The requirements for UPS and PACU does not match in the provided electrical load computation and single line diagram.</li> <li>4.2. The IT rack system (Server/Data rack cabinet) specification does not comply to the provided electrical load schedule. [load schedule 8kw per rack; TOR 6kW per rack]</li> </ul>	4.1 & 4.2 The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.
• 4.3. The provided SLD does not show the connection of the UPS and does not match in the provided block diagram.	4.3 It is a typographical error. The SLD should show the UPS connection to match the block diagram. In Annex A _SLD, there should be a UPS between branch ckt.#1 of MDP-MDC and main CB of UDP1
<ul> <li>5) Terms of reference, Page 6, Permits and clearances.</li> <li>• Kindly specify the permits and clearances needed for the implementation of the project.</li> <li>6) Terms of reference, Page 2, Additional requirements for prospective bidders</li> </ul>	All necessary permits and clearances are needed for the project implementation. –
<ul> <li>May we suggest that a reseller certificate or partnership certificate from the local distributor be allowed for submission instead of manufacturer certificate? Prospective bidder may not necessarily be in direct partnership or in distributorship with the Original Equipment Manufacturer (OEM) in all the deliverables.</li> <li>Usually, the business model is that the OEM appoints distributors locally, and the said distributor authorizes local resellers or partners. The distributor in turn supports the presales and post sales of their appointed reseller or partner for their project to be bid.</li> </ul>	Bidders may submit an appropriate reseller certificate or partnership certificate; provided that, the issuing reseller enclose its authority to distribute or resell the goods/items being offered.
<ul> <li>7) Terms of Reference, Page 9, Warranties and Service Level Agreement</li> <li>We recommend excluding the 3 years maintenance service for the equipment and software. Provision of 3 year-maintenance is not feasible and is very expensive. This might be beyond the budget. The price of the equipment keeps escalating due to the foreign exchange factor thus the cost of goods likewise increases.</li> <li>We suggest limiting the warranty period to 1-year, this goes the same with other deliverables of the project.</li> </ul>	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.



# Queries from Neo-Tech Asia Distribution Inc.

	Query	Reply
1)	For Annex C showing the block diagram of the electrical plan, it shows that the ATS and ECB needs to be located in DIC EE Room. May we propose an alternative solution where the ATS and all circuit breakers be located in an Integrated Power Distribution Cabinet located in the Modular Data Center?	Bidder/s may offer an alternative design/plan as long as the same does not materially alter the original design/plan of the Project and must be duly signed and sealed by a Professional Electrical Engineer. It should also be compliant and responsive to the project's specific requirements.
2)	Will all air-conditioning units (PACU in MDC and Split Type Air-cons in MDC - Office) draw power from the PACU Distribution Board (PDB) located in the MDC – Office as shown in Annex C?	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.
3)	Are the Enclosed Circuit Breaker (ECB) and Automatic Transfer Switch (ATS) located in DIC EE Room as shown in Annex C to be provided by the bidder? Or are they currently existing in the DIC EE Room?	Yes, the bidder shall provide both ECB and ATS.
4)	For the Lighting Panel (LP), the Single Line Diagram in Annex shows that the input is single phase while all output are three phase. May we clarify regarding the phase of the output?	Clarification on this particular specification that: Branch circuits of LP shall actually be 2P. Please refer to Annex B- Lighting Panel-MDC(LP)
5)	For the Security System concerning surveillance as stated in the TOR for both the MDC and MDC – Office, Siamese cables are required. May we instead propose ethernet cables as our CCTV system is IP based?	
6)	For the IT Operations and Maintenance Software indicated in the TOR, which devices and systems are specifically referenced in the description: "Must have intelligent features to automatically monitor all equipment and systems inside the modular facility including security devices."?	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, prospective bidder/s may present alternative solutions in
7)	For the batteries, it is stated that the backup power time is 5 minutes. May we know if lithium batteries are necessary, or would lead-acid batteries suffice? May we also inquire on the power load to back up in the 5 minutes.	their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.
8)	CCTV requirement indicated seems to be Analog (because digital video recorder and siamese cables), but is it possible to consider IP based CCTV instead since this is better?	

This shall form an integral part of the Bid Documents.

For guidance and information of all participating bidders.

(sgd.) BONIFACIO G. PAJUELAS, Ph.D. Chairperson, PAGASA-BAC