

Republic of the Philippines Department of Budget and Management PROCUREMENT SERVICE



Bid Bulletin No. 2 30 May 2019

Public Bidding No. 19-166-8

PROCUREMENT OF ONE (1)-YEAR COMPREHENSIVE MAINTENANCE AND SUPPORT SERVICES FOR THE DATA CENTER INFORMATION TECHNOLOGY INFRASTRUCTURE AND AUXILIARY EQUIPMENT OF THE BUREAU OF THE TREASURY (BTr)

Issued pursuant to Sec. 22.5 of the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184 to clarify and/or amend certain provisions in the Bidding Documents issued for this project, considering the issues raised and clarifications made by prospective bidders during the Pre-Bid Conference held on 23 May 2019 likewise, respond to bidders' written queries received within the prescriptive period for filing.

A. AMENDMENTS/INCLUSIONS

1. Section II. Bid Data Sheet

AMENDMENTS/INCLUSIONS	BASES FOR AMENDMENT/INCLUSION
29.2	
Licenses or permits required:	
1. Medium A Department of Trade and	
Industry - Philippine Contractors	
Accreditation Board (DTI-PCAB) License	
with all classifications in the following:	To eliminate the requirement.
a. Electrical Works	
b. Communication Facilities	Revisions also apply to the affected
c. Air-Condition and Refrigeration	portions of TOR.
Works	
d. Fire Protection Works	
e. Mechanical Works	
Page 45	
XXX	
29.2	To amend the Requirement.
	To amena the Requirement.
5. Certificate of Dealership or Authority	Revisions also apply to the affected
to Sell and Commitment to Supply directly	portions of TOR.
or indirectly and with access to spare parts	portions of TOK.

	BASES FOR
AMENDMENTS/INCLUSIONS	AMENDMENT/INCLUSION
issued by the Manufacturer for the following:	
a. Eaton for Uninterruptable Power Supply b. Montair for Precision Air- Conditioning Unit c. Airedale for Precision Air- Conditioning Unit Variable Refrigerant Flow (VRF) d. Hewlett Packard for LAN Switches e. Toshiba for Variable Refrigerant Flow Unit (VRF)	
f. Cummins for Generator Set g. Koppel for VRF	
For Items referring to cooling system (PACU and VRFs), if there is no Certificate of Dealership or Authority to sell from the Manufacturer or Distributor from all of the above mentioned brands, the Bidder must submit at least two (2) certifications from any of the four (4) cooling system brands and must comply to the Service Level Agreement (SLA) which should be signed and notarized by the Winning Bidder implying that they will supply the needed spare parts of the SAME MAKE. Strict penalties will be executed in case of breach.	
Page 46 xxx	
-8. ISO Certification for the provision of providing IT related products and services for any of the following:	To eliminate the requirement. Revisions also apply to the affected
 a. Renovation/maintenance, or build of Datacenter b. System integration c. Build/renovation of data, voice and video Communication 	portions of TOR.

AMENDMENTS/INCLUSIONS	BASES FOR AMENDMENT/INCLUSION
Page 46	
XXX	

2. Section VII. Technical Specifications

AMENDMENTS/INCLUSIONS	BASES FOR AMENDMENT/INCLUSION
Lot 1	_
1.7. Security Access Control System	
xxx	
1.7.6. Maintenance and version updates of security management software. 1.7.76. Checking of primary and backup power supply. 1.7.87. Cleaning and maintenance inspection of the access control unit including its peripherals such as the electromagnetic lock mechanism, as necessary.	To amend the requirement. Please refer and use the attached Appendix A. Revisions also apply to the affected portions of TOR.
xxx	
Lot 2	
xxx	
1.6. Security Access Control System	
xxx	
1.6.6. Maintenance and version updates of security management software. 1.6.₹6. Checking of primary and backup power supply. 1.6.₹7. Cleaning and maintenance inspection of the access control unit including its peripherals such as the electromagnetic lock mechanism, as necessary.	To amend the requirement. Please refer and use the attached Appendix A. Revisions also apply to the affected portions of TOR.
xxx	

	BASES FOR
AMENDMENTS/INCLUSIONS	AMENDMENT/INCLUSION
Lot 1	
L NOOV	
XXX	
2.10. 2.10. Mode of Payment: -Quarterly Monthly Payment; The following requirements are needed as deliverables prior to the payment: 2.10.1. First Quarter From First to Third Month 2.10.1.1. Quarterly report Monthly reports which consist of: Please refer to Section VII Item 2.5 of Technical Specification 2.10.1.2. Training Completion Certificate which refer to Part I. Section 2.5.6 of this Terms of Reference 2.10.2. Second Quarter From Fourth to Sixth Month 2.10.2.1. Quarterly report Monthly reports which consist of: Please Refer to Section VII Item 2.5 of Technical Specification 2.10.2.2. Training Completion Certificate which refer to Part I. Section 2.5.6 of this Terms of Reference 2.10.3. Third Quarter Seventh to Eleventh Month 2.10.3.1. Quarterly report Monthly reports which consist of: Please refer to Section VII Item 2.5 of Technical Specification, 1.13.9 of Terms of ReferenceUpdate network layout, and 2.5.7 of Terms of ReferenceMust Submit Electrical As-Built Plan of the Data Center 2.10.4. Fourth Quarter	To amend the mode of payment. Please refer and use the attached Appendix A. Details of monthly reports will be further discussed during the Kickoff Meeting which will be schedule upon issuance of Notice to Proceed. Revisions also apply to the affected portions of TOR.
Submit Electrical As-Built Plan of the Data Center 2.10.4. Fourth Quarter Twelfth	

AMENDMENTS/INCLUSIONS	BASES FOR
•	AMENDMENT/INCLUSION
2.10.4.1. Quarterly report	
1.13.9 of Terms of Reference	
Update network layout	
2.5.7 of Terms of Reference	
Must Submit Electrical AS-	
<u>Built Plan of the Data Center</u>	
Lot 2	
XXX	
2.10. Mode of Payment: -Quarterly Monthly Payment; The following requirements are needed as deliverables prior to the payment: 2.10.1. First Quarter From First Month to Third Month 2.10.1.1. Quarterly report Monthly reports which consist of: Please Refer to Section VII Item 2.5 of Technical Specification 2.10.1.2. Training Completion Certificate which refer to Part I. Section 2.5.6 of this Terms of Reference 2.10.2. Second Quarter From Fourth Mont to Sixth Month 2.10.2.1. Quarterly report Monthly reports which consist of: Please Refer to Section VII Item 2.5 of Technical Specification 2.10.3. Third Quarter Seventh to Eleventh Month 2.10.3.1. Quarterly report Monthly reports which consist of: Please Refer to Section VII Item 2.5 of Technical Specification 2.10.4.1. Quarterly report Month 2.10.4.1. Quarterly report I.13.9 of Terms of Reference	To amend the mode of payment. Please refer and use the attached Appendix A. Details of monthly reports will be further discussed during the Kickoff Meeting which will be schedule upon issuance of Notice to Proceed. Revisions also apply to the affected portions of TOR.

AMENDMENTS/INCLUSIONS	BASES FOR AMENDMENT/INCLUSION
Must Submit Electrical AS- Built Plan of the Data Center*	
*Note: Please refer to Terms of Reference item 1.1 for the locations	

3. Section VIII. Bidding Forms

AMENDMENTS/INCLUSIONS	BASES FOR AMENDMENT/INCLUSION
"Annex A" Bid Form Page 113 xxx offer to Procurement of Restoration and Upgrading of Power Cables at Depot Stabling and Pureza Area for the LRTA Procurement of One (1)-Year Comprehensive Maintenance and Support Services for the Data Center IT Infrastructure and Auxiliary Equipment of the BTr, in conformity with the said Bidding Documents.	To correct the project title.
"Annex H" BID SECURING DECLARATION FORM Page 129 xxx Invitation to Bid: Public Bidding No. 19- 007166-8 xxx	To correct the Public Bidding No.

B. CLARIFICATIONS

The Procurement Service – Bids and Awards Committee VIII (PS-BAC VIII) hereby clarifies bidders' concerns and queries.

1. Pre-Bid Conference¹ Queries

	CONCERN DEFENSE CLARIFICATION/			
ITEM	CONCERN	REFERENCE	RESOLUTION	
1	Multi-Fold Links Inc. (MFL) inquired if there will be a separate schedule of the opening of each lot.		Both lots will be opened immediately after the deadline of submission (06 June 2019 at 10:00AM).	
			Prospective Bidders are not required to submit separate tenders particularly on the Legal Eligibility documents.	
			For the Financial Bid Form, Prospective Bidders should indicate "NO BID" for the lot that will not be participated.	
2	Acceptable Audited Financial Statement (AFS)		AFS for 2018 must be filed and stamped received by BIR.	
3	IP Converge Data Services, Inc. (IPC) inquired the amount required for the Single Largest Completed Contract (SLCC).	BDS Clause 5.4	If the Prospective Bidder has an SLCC that has satisfied the 50% of the Approved Budget for the Contract (ABC) of the largest lot (Lot 1), there is no need to submit another SLCC for the lower ABC (Lot 2).	
4	IPC inquired if evidences or supporting documents for ongoing projects are also required to be submitted.	BDS Clause 29.2 No. 4 of the Post- Qualification documents	These are not necessary. Prospective Bidders should only ensure that all on-going and awarded but not yet started contract are listed in Annex C-1. Failure to do so is a ground for disqualification.	
5	SMS Global Technologies Inc. (SMSGT) inquired how many certifications must a retailer secure.	BDS Clause 29.2, No. 5 of the Post- Qualification documents	Retailers must submit certification from the manufacturer or distributor that they are authorize to bid, sell, support, and maintain, thus implying that the manufacturer or distributor will extend direct technical support to the enduser for the spare part being offered. If the distributor will	

[.]

¹ Minutes posted at the PS website last 24 May 2019.

For the purpose of this Bulletin and for better understanding of its contents, the following rules shall apply: (a) Double Strike out – denotes deletion; (b) Underline – denotes inclusion or new item/requirement; and "xxx" – denotes separation of phrase/s being amended from the rest of the main text.

ITEM	CONCERN	REFERENCE	CLARIFICATION/ RESOLUTION
			certify the retailer, they must submit certification from the manufacturer acknowledging the distributor as their partner.
6	IPC inquired what kind of ISO is required.	BDS Clause 29.2, No. 8 of the Post- Qualification documents	Refer to item number 1. Section II – Bid Data Sheet of this Bid Bulletin.
7	MFL inquired if all stated classifications for Medium A Philippine Contractors Accreditation Board (PCAB) are required.	BDS Clause 29.2, No. 1 of the Licenses or Permits required	Refer to item number 1. Section II – Bid Data Sheet of this Bid Bulletin.
8	IPC inquired if all components indicated should be verifiable in the SLCC.	BDS Clause 5.4	Yes.
9	SMSGT inquired if the SLCC should present only the maintenance component.		No, since this a comprehensive project, the SLCC should cover all major components.
10	IPC expressed the possible issue on brands and suggested to offer different a brand that will ensure to work.	BDS Clause 29.2, No. 8 of the Post- Qualification documents	To avoid future issues on propriety components, the requirement is retained.
11	IPC further asked the possibility to indicate the year and model of the existing equipment.		PS BAC will email to prospective Bidders the needed information, provided the PS will ensure its confidentiality through Non-Disclosure Agreement (NDA). BTr will send the details to PD VIII.
12	Data Center Design Corporation (DCDC) inquired who will be responsible for accidental discharge of the FM-200.	Section VII. Technical Specifications Item 1.5.4	The Service Provider should assume responsibility.
13	Further, DCDC asked the volume of the tank.	Section VII. Technical Specifications Item 1.5.4	Please refer to Item 11 Section B. Clarification/Resolution
14	DCDC inquired if the spare parts will be taken from the	Section VII. Technical Specifications	It will be from the Service Provider.

ITEM	CONCERN	REFERENCE	CLARIFICATION/ RESOLUTION
	inventory of BTr or from the Service Provider.	Item 1.6.12	
15	DCDC inquired the responsibility of security management software.	Section VII. Technical Specifications Item 1.7.6	Please refer to Item 1 Section A. Amendments/Inclusions
16	DCDC inquired what if the CCTV was damage during maintenance period. Can it be replaced with a different brand?	Section VII. Technical Specifications Item 1.8	Yes. However, the specifications must not be lower than the originally installed unit and must be fully compatible with the current system.
17	IPC asked for the maintenance schedules.	Section VII. Technical Specifications and Terms of Reference Item 2.5	These are indicated in the TOR under Item 2.5.
18	DCDC inquired for the possibility of monthly payment.		Please refer to Item 2 Section A. Clarification/Resolution

All other related provisions in the Bidding Documents correspondingly affected by these amendments /inclusions/clarifications are likewise deemed amended to conform to this Bid Bulletin.

Amendments/inclusions/clarifications made herein shall be considered an integral part of the Bidding Documents.

(Sgd.) **ENGR. JAIME M. NAVARRETE, JR.** *Chairperson, Bids and Awards Committee VIII*

TECHNICAL SPECIFICATIONS

LOT NO. 1 : One (1)-Year Comprehensive Maintenance

One (1)-Year Comprehensive Maintenance and Support Services for the Data Center IT Infrastructure and Auxiliary Equipment of

the BTr – Central Office

QUANTITY : 1 lot

APPROVED BUDGET FOR THE

CONTRACT : ₱24,000,000.00

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
One (1)-Year Comprehensive Maintenance and Support Services for the	
Data Center IT Infrastructure and Auxiliary Equipment of the BTr –	
Central Office which consist and comply with the following minimum	
requirements unless specified:	
1. SCOPE OF WORK	
Perform Preventive Maintenance Service on the following systems inside	
the Data Center	-
1.1. Electrical System	
Electrical system maintenance works shall cover the Data Center and	
IDF locations at Basement, Ground Floor, Second Floor, and Third	
Floor.	
Maintenance services for the electrical system shall include the	
following as needed:	
	-
1.1.1. Checking of circuit breakers and switches.	
1.1.2. Perform load balancing as needed to prevent power	
overload and other power issues; Study the system load	
during the actual operation, Determine the unbalance	
phase load; Transfer/reconfigure load to balance the phase	
load, Monitor the balanced current load; Project the	
additional load per phase and re-balance load as the	
change arise.	-
1.1.3. Provide and readjust electrical load requirement as	
necessary for the equipment installed in every rack cabinet	
within the existing overall load capacity of the UPS. Add	
and install additional PDU and electrical cabling as	
necessary.	-
1.1.4. Calibration of protective relays. Perform megger testing.	
Identification of potential electrical problems.	-
1.1.5. Survey and identify of high temperature incursions.	_
1.1.6. Switchgear cleaning and inspection.	
1.1.7. Cleaning and tightening of all electrical connections and	
equipment enclosures.	

	AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.2. Uninter	ruptible Power Supply	
	services shall cover the three (3) operational units of	
	ity UPS installed at the Auxiliary Area of the Data	
	as the 3KVA-capacity rack mounted UPS units deployed	
	ve equipment per IDF rack.	
	of Maintenance procedure, the Data Center shall not	
	y power interruption that will cause unexpected shut	
	sipment of the Data Center. Maintenance services for	
	include the following as needed:	
	Monthly periodic maintenance services for the UPS unit	
	nd battery system to be performed on a mutually agreed	
	chedule.	
	All the necessary spare parts or consumable items to	
	naintain the UPS will be allotted from stock	
	nventory or immediate replacement of defective	
	omponents.	
	Conduct on-site inspection of the equipment and check the	
	ntegrity of any electrified hinges or similar power-	
	ransfer devices.	
1.2.4. R	Replace batteries and fine-tune each opening.	
1.2.5. C	Check current UPS installation condition. Installation	
sl	hould be in accordance with the manufacturer's guideline	
	nd wiring regulations.	
1.2.6. P	rovide necessary recommendation to expand the life of	
	he equipment. User and operations training refresher for	
c	lient's technical personnel.	
	Perform appropriate preventive measures to keep the UPS	
	n good and running condition as follows:	
	.2.7.1. Ensure adequate clearance around	
	the UPS for ventilation and maintenance	
	access. Check the surrounding of the UPS.	
1	.2.7.2. Do not allow smoke or naked lights in the	
	vicinity of the UPS or its battery. Keep the	
	room in which the UPS is situated dry, clean	
	and dust free.	
1	.2.7.3. Do not store or use corrosive materials in the	
	vicinity of the UPS. Do not allow building or	
	electrical work to be carried out near the UPS	
	unless the machine has first been de-energized	
	and covered. Thoroughly clean the room	
	before re-energizing the machine.	
1	.2.7.4. To ensure optimum performance and life out	
	of the UPS the ambient temperature in the	
	battery cabinet / compartment should be	
	centigrade.	

	BIDDER'S
AGENCY SPECIFICATIONS	STATEMENT OF
1.2.7.5 Engune the ventilation air conditioning is	COMPLIANCE
1.2.7.5. Ensure the ventilation air conditioning is	
sufficient to cope with the heat dissipated and is capable of maintaining the Data Center	
within recommended ambient temperature and	
humidity recommendations.	
1.2.8. Record UPS display parameters. Measure actual UPS	
parameters. Measure and record input and output filter	
current.	
1.2.8.1.	
1.2.9. Check for present alarm/s and note findings. Download	
alarm history and event alarms. Check and record	
environmental condition.	
1.2.10. Perform ocular inspection and check capacitors for signs	
of leakage; coils, wire/cables, PCB components for signs	
of burns; blowers for correct operation.	
1.2.11. Perform thermal scanning of all UPS electrical	
connections and power components using infrared scanner	
and note findings.	
1.2.12. If a discrepancy from original calibration was identified,	
transfer the UPS to bypass mode if permitted by the	
Authorized person of Systems Administration Division	
and perform control supply only calibration procedure, otherwise, gathering of parameters are to be done thru its	
display and accessible parts are to be checked.	
1.2.13. If the unit needed corrective measures, through cleaning	
of internal components, and other activities that could	
endanger the safety of the personnel, perform orderly	
shutdown of the unit and do as necessary.	
1.2.14. Clean battery tops and terminals for corrosion if present.	
Perform battery test procedure and record parameters.	
Clean UPS and battery cabinet panels.	
1.2.15. Normalize UPS and double-check all display parameters.	
Reset alarm history and event alarms buffer.	
1.2.16. Shutdown the UPS following the recommended operating	
procedures:	
1.2.16.1. Isolate the UPS input Mains supply externally	
and isolate the battery. Ensure that the UPS is	
totally powered down. UPS power components and sub-assemblies.	
1.2.16.2. Open the internal hinged	
safety panel to gain access to the interior of the	
UPS. Check electrolytic capacitors for signs of	
leakage, bucking, so forth; check magnetic	
components for signs of overheating, security	
of fixture and de-lamination; check cables	
and connections for chaffing, fraying, and	
signs of overheating; check printed	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
circuit boards for cleanliness and integrity;	
replace bonds that show signs of deterioration;	
verify that all board connections are tight	
and secure; thoroughly clean inside the	
equipment enclosure using a vacuum cleaner	
and low-pressure air to remove foreign debris;	
reconnect the UPS input mains power; start the	
UPS and transfer the load to the inverter.	
1.2.16.3. Complete a battery check as needed. Ensure	
that the available battery autonomy time meets	
the installation specifications.	
1.3. Precision Air-conditioning System (PACS)	
The Data Center is primarily cooled with three (3) Units Indoor 10TR	
Montair PACU and six (6) Outdoor condensing units which is	
alternately operated. All these PACUs that help control the environment	
of the area require regular monitoring and maintenance to keep its	
efficient operation.	
The IDF is cooled with one (1) unit indoor 5TR Airedale PACU and	
one (1) outdoor condensing unit.	
Maintenance services for the PACS shall include the following as	
needed:	
1.3.1. Visual inspection of all internal sub-assemblies and major	
components.	
1.3.2. Recording of indicator readings on temperature and humidity.	
1.3.3. Cleaning of any foreign material and dust from internal components.	
1.3.4. Check thermostat settings to ensure the cooling system of	
the area is kept comfortable. Check status alarm circuits.	
1.3.5. Clean and pressure wash condenser coils. Dirty coils	
reduce the system's ability to cool and cause the system to	
run longer, increasing energy costs and reducing the life	
of the equipment.	
1.3.6. Tighten all electrical connections and measure voltage and	
current on motors. Check for possible defective or worn	
out electrical components, replace if necessary. Faulty	
electrical connections can cause unsafe operation of the	
system and reduce the life of major components. Check	
for possible defective or worn out electrical components,	
replace if necessary.	
1.3.7. Lubricate all moving parts. Parts that lack lubrication	
cause friction in motors and increase the amount of	
electricity used.	
1.3.8. Check and inspect the condensate drain in the central air	
conditioner, furnace and/or heat pump. Check controls of	
the system to ensure proper and safe operation. Check the	

	AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
	starting cycle of the equipment to assure the system starts, operates, and shuts off properly.	
	1.3.9. Inspect evaporator (indoor blower) and condenser (outdoor unit) air conditioning coils.	
	1.3.10. Check central air conditioners refrigerant level and adjust if necessary. Too much or too little refrigerant will make the system less efficient increasing energy costs and reducing the life of the equipment.	
	1.3.11. Clean and adjust blower components to provide proper system airflow for greater comfort levels. Airflow problems can reduce the system's efficiency.	
	1.3.12. Inspect and adjust fan belts tension, replace if necessary. Inspect, clean, and change air filters as necessary. A dirty filter can increase energy costs and damage the equipment, leading to early failure.	
	1.3.13. All the necessary spare parts or consumable items such as filters, charging of Freon, and the likes to maintain the PACU will be allotted from inventory for immediate replacement of defective components at the expense of the Contractor.	
1.4.	Variable Refrigerant Flow (VRF): Maintenance of One (1) Outdoor condensing units with Six (6) indoor AC units	
	1.4.1. Check thermostat settings to ensure that cooling system of the area is kept comfortable.	
	1.4.2. Tighten all electrical connection and measure voltage and current on motors.	
	1.4.3. Check and inspect the condensate drain in the air conditioner. A clogged drain can cause water damage and affect indoor humidity levels.	
	1.4.4. Check controls of the system to ensure proper and safe operation. Check the starting cycle of the equipment to assure the system starts, operates and shuts off properly.	
	1.4.5. Inspect evaporator (indoor blower) and condenser (outdoor unit) air conditioning coils.	
	1.4.6. Check central air conditioners refrigerant level and adjust if necessary.	
	1.4.7. Clean and adjust blower components to provide proper system airflow for greater comfort levels.	
	1.4.8. Inspect, clean, or change air filters in air conditioning units as applicable.1.4.9. Perform monthly cleaning of indoor and outdoor units	
	using pressurized washer motor.	
	1.4.10. Checking of drain pipe to prevent clogged drain of units.	

AGENO	CY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.4.11. Necessary	y spare parts or consumable items to maintain the	COMPERATOR
	U operation shall be allotted from inventory for	
immediat	e replacement of components as needed at the	
expense of	of the contractor.	
1.5. Fire Suppression	n System:	
	ount of investment of BTr from fire hazards and	
	, an automatic and intelligent fire suppression	
system was installed.		
	on and check-up of FM-200 field devices such as	
	al pull station, abort station, alarm bell, horn and	
	and components are the vital activities to assure	
	ency of the fire suppression system.	
	for the fire suppression system shall include the	
following as needed:	fDi	
1.5.1. Inspection 1.5.1.1.	Hazard Enclosure	
1.3.1.1.	Hazard Enclosure	
	Check original installation for any changes and	
	equipment have not been replaced, modified,	
	or relocated; verify if the hazard volume is still	
	the same and no walls or partition has been	
	added; verify protected rooms are effectively	
	sealed any significant air leaks that could	
	result to agent leakage and a failure of the	
	enclosure to hold the specified agent	
	concentration level for the specified holding	
	period.	
1.5.1.2.	Agent Cylinder	
	Verify containers and brackets are securely	
	fastened; check mounting position of	
	horizontally mounted containers; verify the	
	status of agent in each cylinder; check all	
	containers pressure gauges; check solenoid	
	valve/gas cartridge actuator leads and wiring to	
	agent release modules for corrosion and loosen	
	or broken wires.	
1.5.1.3.	Piping and Nozzles	
	Verify discharge nozzles and pipe size; verify	
	piping joints & discharge nozzles securely	
	fastened; verify piping distribution system	
	internally to detect the possibility of any oil or	
	particulate matter soiling the hazard area or	
	affecting the agent distribution due to a	
	reduction in the effective nozzle orifice area;	
	verify the nozzle reflectors are positioned to	

AGENO	CY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
	obtain maximum benefits; verify if discharge	
	nozzle, pipe and fittings.	
1.5.1.4.	Pipe Supports and Braces Inspect pipe supports hangers and braces for loose, corrosion, and physical damage.	
1.5.1.5.	Fire Detection, Alarm, Releasing Devices and Peripherals	
	Verify all wiring systems are properly installed in compliance with local codes and the system drawings; Verify the control panels; check if all end-of-line resistors are intact for backflow loop; verify alternating current (ac) and direct current (dc)wiring; verify all field circuits; check the control panel power supplied to the control unit from a separate dedicated source that will not be shut down on system operation; verify availability of adequate and reliable primary and 24-hour minimum standby sources of energy are used to provide for operation of the detection, signaling, control, and actuation requirements of the system; verify all auxiliary functions for proper operation in accordance with system requirements; verify detection devices in proper type and location; verify condition of detectors; verify manual pull stations are properly installed, readily accessible, accurately identified, and properly protected to prevent damage; verify all manual stations used to release agents require two separate and distinct actions for operation and properly identified; verify the main/reserve switches are properly installed,	
1.5.2 Tasking	readily accessible, and clearly identified.	
1.5.2. Testing		
1.5.2.1.	Disable each agent storage container release mechanism so that activation of the release circuit will not release agent.	
1.5.2.2.	Verify the control panel is connected to a dedicated circuit and labelled properly. Verify control panel is readily accessible, yet restricted from unauthorized personnel.	
1.5.2.3.	Using smoke tester, check each detector for proper response. Verify all alarm functions occur according to design specification.	
1.5.2.4.	Operate the necessary circuit to initiate a second alarm circuit if present. Check each detector for proper response. Verify that all second alarm functions occur according to design specifications.	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.5.2.5. Operate manual release. Verify manual release functions occur according to design specifications.	
1.5.2.6. Operate abort switch circuit if supplied.	
1.5.2.7. Verify abort functions according to design specifications.	
1.5.2.8. Test all supervised circuits for proper trouble response.	
1.5.2.9. Operate one of each type of input device while on standby power. Verify that an alarm signal is received at remote panel after device is operated. Reconnect primary power supply.	
1.5.2.10. Operate each type of alarm condition on each signal circuit and verify receipt of trouble condition at the remote station.	
1.5.2.11. The system shall be returned to its fully operational design condition.	
1.5.3. Replacement of defective FM-200 components.	
1.5.4. One-time refill of FM-200 agent if used during the maintenance period or due to accidental discharge.	
1.5.5. Provision of hand-held, stand-alone fire suppression cylinder as service unit during the refill process and until the actual FM-200 cylinder has been re-installed.	
1.5.6. Re-testing of the entire fire suppression system upon installation of any replaced device or component.	
1.6. Very Early Smoke Detection Aspirating (VESDA) System: In any organization such as BTr, continuity of operations is imperative,	
while environmental monitoring is challenging, and time is required to	
ensure safe and orderly evacuation during unexpectedly circumstance.	
The VESDA system' very early warning and aspirating smoke detection solution with continuous air sampling provides the earliest possible	
warning of an impending fire hazard. VESDA buys the critical time needed to investigate an alarm and initiate	
an appropriate response to prevent injury, property damage or business disruption.	
VESDA detectors have multi-level warnings and a wide range of	
sensitivity that does not degrade or change over time, so even minute levels of smoke can be detected before a fire has time to escalate.	
To assure its systems operations, the following preventive maintenance	
works shall be performed as needed:	
1.6.1. Inspection and measure values for the primary and back-up power supply as made available for the VESDA system.	
1.6.2. Checking of electrical wiring, dedicated branch circuits, terminations, disconnect switch, and polarity to be maintained as relevant to the VESDA device.	

	AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.6.3.	Inspection of perimeter and surroundings where the controller and components are installed including ease of accessibility.	
1.6.4.	Checking for any presence or sources of vibration, moisture, and electromagnetic interference, which may interfere with the successful operation of the system.	
1.6.5.	Per length or segment checking of mechanical pipes for breaks, including pipe joints, end caps.	
1.6.6.	1.6.5.1. Verification of sampling system piping or tube condition including labels.Verification condition of sampling points location relative to airflow and presence of air supply diffusers.	
1.6.7.	Systems check of controller at normal state, alarm, or trouble indications.	
1.6.8.	Verification of auxiliary functions such as alarm sounding or display of devices, remote test, annunciators, air handling, and power shutdown in accordance with system requirement.	
1.6.9.	System test methodology including simulation of sample smoke, to determine:	
	1.6.9.1. Transport Time	
	1.6.9.2. Initial Response	
	1.6.9.3. Alert Response	
	1.6.9.4. Action/Pre-Alarm	
	1.6.9.5. Fire 1/Fire Response	
	1.6.9.6. Fire 2 Response	
	1.6.9.7. Peak Smoke Response	
1.6.10.	Restoration of system to normal operation.	
1.6.11.	Compilation of test results and related documentation.	
1.6.12.	All the necessary spare parts or consumable items to maintain the VESDA system will be allotted from inventory for immediate replacement of defective components at the expense of the Contractor.	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.7. Security Access Control System Maintenance services for the access control system shall include the following as needed:	
1.7.1. Visual inspection of all internal sub-assemblies and major components.	
1.7.2. Hardware troubleshooting and problem isolation.	
1.7.3. Replacement of defective parts.	
1.7.4. A set of equivalent access control unit shall be provided on site as back-up unit.	
1.7.5. Regular monitoring and generation of report as needed from the access control management software.	
1.7.6. Checking of primary and backup power supply.	
1.7.7. Cleaning and maintenance inspection of the access control unit including its peripherals such as the electromagnetic lock mechanism, as necessary.	
1.8. Security Video Surveillance System: Maintenance of the Security Video Surveillance system to ensure the effectiveness of security camera system shall include the following as needed:	
1.8.1. Check cameras in accordance with the specification and any amendment. Check indicator lamps condition. Check the picture quality of each camera and correct monitor selection.	
1.8.2. Clean camera housings and lenses.	
1.8.3. Check all cables and conduit are properly supported, undamaged and showing no signs of wear.	
1.8.4. Check camera functions and movement and fields of view are free from obstruction.	
1.8.5. Check overall performance of the system.	
1.8.6. Check all power connections to ensure AC plugs are not loose or cable power frayed.	
1.8.7. Check all control equipment running condition.	

	BIDDER'S
AGENCY SPECIFICATIONS	STATEMENT OF COMPLIANCE
1.8.8. Clean monitor screen, control panel and keyboard with diluted cleaning solution.	CONTEIANCE
1.8.9. Check monitor for proper brightness and contrast.	
1.8.10. Check Hard Disk Drive (HDD) Health and Network Video Recorder (NVR) Recording. Monitor its compression capability and storage capacity level.	
1.8.11. Conduct regular backup of all camera connected to NVR.	
1.9. Water Leak Detection System: Water leak detection system installed under the raised flooring that contains sensing cables which were laid out in the Data Center perimeter connected to the control panel with alarm system will be maintained and shall include the following as needed:	
1.9.1. Routine checking and cleaning of all water leak detection components.	
1.9.2. Inspection of all sensing cable laid out in the Data Center perimeter.	
1.9.3. Testing of the control panel and alarm system.	
1.9.4. All the necessary spare parts or consumable items to maintain the Water Leak Detection System will be allotted from inventory for immediate replacement of defective components at the expense of the Contractor.	
1.10. Access Raised Flooring System: Periodic monthly maintenance service for the acoustic ceiling shall include the following as needed:	
1.10.1. Panel rotation for even wear and Under structure adjustments.	
1.10.2. Replacement broken edge trim and warped panels.	
1.10.3. Refurbish delaminated panels and filter vacuuming.	
1.10.4. Sealant applied to sub flooring and Spot cleaning to remove stains.	
1.10.5. Professional surface cleaning and detail cleaning of entry points.	
1.11. Acoustic Ceiling System:	
Periodic monthly maintenance service for the acoustic ceiling shall include the following as needed:	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.11.1. Spot cleaning to remove stains.	
1.11.2. Re-painting or re-capping of grid system.	
1.11.3. Re-surfacing acoustic panels to restore original appearance.	
1.11.4. Re-alignment of t-runners and support.	
1.11.5. Replacement warped or broken acoustic panels at the expense of the Contractor.	
1.12. Tempered Glass Partition: Periodic monthly maintenance service for the Tempered Glass Partition System shall include the following as needed:	
1.12.1. Spot cleaning to remove stains.	
1.12.2. Cleaning of the entire glass panels by squeegee strokes.	
1.12.3. Removing excess dirt at the bottom of the glass panels using sponge or dry cloth.1.12.4. Cleaning of the bottom frame.	
1.12.5. Buffing of glass using soft dry cloth.	
1.12.6. Replacement of broken glass panels at the expense of the Contractor.	
1.13. Structured Cabling System: The following shall include all the labor, tools of trade, and expertise necessary in the performance of the services as needed:	
1.13.1. Regular monthly routine check of structured cabling installation per cabinet.	
1.13.2. Checking and re-testing of equipment patch cables.	
1.13.3. Perform troubleshooting and provide problem resolution.	
1.13.4. Regular check, test and perform maintenance services to keep the system in good operating condition.	
1.13.5. Perform necessary re-termination of cables at Information Outlet and patch panels.	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.13.6. Termination of patch cords and pigtails.	
1.13.7. Termination of cables on wiring blocks and patch panels.	
1.13.8. End to end cable testing, labelling and tagging.	
1.13.9. Update network layout and as built documentation using own electronic utilities.	
1.13.10. Maintenance of all server and network racks including IDF racks distributed per floor location.	
1.13.11. Assist in the survey, planning and design, implementation, and documentation of new cabling requirements.	
1.13.12. All the necessary spare parts or consumable items to maintain the physical cabling system will be allotted from inventory for immediate replacement of defective components at the expense of the Contractor.	
1.14. Network Switches:	
Maintenance and support works for the active Network Switches setup as deployed in strategic locations per IDF rack on each floor of the BTr building shall include the following as needed:	
1.14.1. Inspection of Network Rack or IDF Rack to make sure that airflow is unobstructed around the device and into the air intake vents.	
1.14.2. Surface cleaning of unit with solution to remove dirt on the chassis.	
1.14.3. Apply pressurized air on the LAN ports and chassis to remove dust and dirt that can cause malfunction of the equipment.	
1.14.4. Cleaning of equipment ventilation for accumulated dirt and dust.	
1.14.5. Check the status of the device.	
1.14.6. Check gigabit transceiver if all are working properly and accepted power to transmit light.	
1.14.7. Monitoring and verification of software upgrades. Application of upgrades and updates on equipment with the latest software and firmware provided by the manufacturer as necessary.	
1.14.8. Provision for standby hardware replacement of the defective unit.	
1.14.9. All the necessary spare parts or consumable items to maintain the Network Switches will be allotted from inventory for immediate replacement of defective components at the expense of the Contractor.	
1.15. Data Center Infrastructure Management:	

			AGENC	CY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
			agreemen	Center Infrastructure Management software with at one (1) year with the following features and	
		1.15.1.	Data Cent	er Management	
	1.15.2. Application Dependency Mapping/Impact Chart				
		1.15.3.	Password	Management	
		1.15.4.	IP Addres	ss management (IPAM)	
		1.15.5.	ITAM (IT	Inventory and Asset Management)	
		1.15.6.	Agentless	Discovery (Auto Discovery)	
	1.16.			sessment:	
			<u> </u>	Testing: Network mapping and Vulnerability	
				fulnerability Assessment Automated lity scanning, manual security review and addition	
2.	SCOPE (OF SER	VICES		
	service le	evels. Th	_	ne services is a result of maintaining consistent ng sections provide relevant details on service y.	
	2.1.	Service	e Scope		
				Technical Support Personnel with the following	
			functions: 2.1.1.1.	Oversee the day-to-day operation of computer	
			2.1.1.1.	networks.	
			2.1.1.2.	Maintain efficient computer environment by identifying network failure, recommend upgrades and updates as necessary	
			2.1.1.3.	Maintaining Local Area Network connectivity.	
			2.1.1.4.	Monitoring Top bandwidth user	
			2.1.1.5.	Provide assistance to BTR Management in reviewing network policies.	
			2.1.1.6.	Provide assistance to BTR Management in configuration of network switches and network related devices/equipment.	
			2.1.1.7.	Assist in BTR Management in maintaining user account, profiles, file sharing, access privileges and security in Active directory	
			2.1.1.8.	Assist BTR Management in implementation of network policies and operational procedure.	
	2.2.			ix (6) on-site technical support personnel for a (12) months and perform other task required for	

	AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
	ous Data Center Operation 24 x 7 for continuo	
	peration with the following qualifications:	utified in
	At least one (1) personnel must be trained and center existing major Data Center components,	
	ertification as proof:	
2	2.2.1.1. Air Conditioning Units (PACU)	
2	2.2.1.2. VRF (ACU)	
2	2.2.1.3. Uninterruptible Power Supply	
	2.2.1.4. Fire Suppression	
	At least one (1) personnel with electrical tructured cabling system experience.:	and/ or
2.3. Provide Support	24 x 7 Phone and Email Support and Onsite T:	
	o-person (P2P) response time of on-site personne shall be made within two (2) hours from receipt	
2.5. Inspecti	on Frequency, reports, documentation and training	ng:
2.5.1. (Conduct weekly system monitoring:	
2	2.5.1.1. Data Center Equipment	
	2.5.1.1.1. Precision Air-conditioning (PACS)	System
	2.5.1.1.2. Access Raised Flooring System	m
	2.5.1.1.3. Acoustic Ceiling System	
	2.5.1.1.4. Tempered Glass Partition	
	2.5.1.1.5. Structured Cabling System	
	2.5.1.1.6. Network Switches	
	2.5.1.2. Auxiliary Equipment	
	2.5.1.2.1. Electrical System 2.5.1.2.2. Uninterruptible Power Supply	
	2.5.1.2.3. Variable Refrigerant Flow (V	RF)
	2.5.1.2.4. Fire Suppression System	
	2.5.1.2.5. Very Early Smoke I Aspirating (VESDA) System	Detection
	2.5.1.2.6. Security Access Control Syste	m
	2.5.1.2.7. Security Video Surveillance S	ystem
	2.5.1.2.8. Water Leak Detection System	
2.5.2.	Conduct monthly system testing:	
2	2.5.2.1. Data Center Equipment	

	AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
	2.5.2.1.1. Precision Air-conditioning System (PACS)	
	2.5.2.1.2. Access Raised Flooring System	
	2.5.2.1.3. Acoustic Ceiling System	
	2.5.2.1.4. Tempered Glass Partition	
	2.5.2.1.5. Structured Cabling System	
	2.5.2.1.6. Network Switches	
	2.5.2.2. Auxiliary Equipment	
	2.5.2.2.1. Electrical System 2.5.2.2.2. Uninterruptible Power Supply	
	2.5.2.2.3. Variable Refrigerant Flow (VRF)	
	2.5.2.2.4. Fire Suppression System	
	2.5.2.2.5. Very Early Smoke Detection Aspirating (VESDA) System	
	2.5.2.2.6. Security Access Control System	
	2.5.2.2.7. Security Video Surveillance System	
	2.5.2.2.8. Water Leak Detection System	
	2.5.3. Submit monthly activity report with photo attachment	
	2.5.4. Submit incident report (if any) with attached photo before	
	and after the action taken. 2.5.5. Submit monthly site inspection report and attach photo of inspection	
	2.5.6. Must conduct actual maintenance training to five (5) BTr personnel during the first quarter of the maintenance schedule and must submit actual maintenance procedure documentation.	
	2.5.7. Must Submit Electrical As-Built Plan of the data center	
2.6.	Designate a head office-based personnel who will be responsible in managing and providing administrative support for the services as follows.	
	2.6.1. One (1) Project Manager or Equivalent	
	2.6.1.1. Must be a regular employee for at least five years.	
	2.6.1.2. Must have project management training	
	2.6.1.3. Must be trained in premises cabling system design, and installation by an Original Equipment Manufacturer (OEM).	
	2.6.1.4. Must be trained in Total Building Integration Cabling and Project Management	

	AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
	2.6.1.5. Must be trained in Wireless LAN	
	2.6.1.6. Trained in Fire Systems Design, Configuration, Installation	
	2.6.1.7. Trained in Precision Air-Conditioning System	
	2.6.1.8. Trained in Uninterruptible Power Supply	
	2.6.1.9. Must submit certification for all trainings attained for validation	
	2.6.1.10. Must submit all the Certificate referring to: 2.6.1.2, 2.6.1.3, 2.6.1.4, 2.6.1.5, 4.6.1.6, 2.6.1.7 and 2.6.1.8 for validation.	
	2.6.1.11. Must also submit Curriculum Vitae (CV)	
	2.6.2. Back Office support – provide administrative support service including processing relevant documents pertinent to the administration of the services herein required.	
	2.6.3. The said personnel must be accompanied by a Management Information System Service (MISS) personnel for validation of the proposed works.	
	2.6.4. One (1) safety Officer	
	2.6.4.1. Must be a licensed engineer	
	2.6.4.2. Must have a professional certificate in facilities management.	
	2.6.4.3. Must have completed the prescribed course in Occupational Safety and Health by DOLE.	
	2.6.4.4. Must have completed the prescribed course in Basic Occupational Safety and Health (BOSH) by DOLE.	
2.7.	Phone and email support: 24 x 7 Monday – Sunday including regular holidays, special holidays and government announced holidays.	
2.8.	On-call personnel: 24 x 7 Monday – Sunday including regular holidays, special holidays and government announced holidays. On call support is provided in situations that require the presence of Technical Personnel at BTr site as urgently needed to perform critical activities. Response time is within 4 hours from receipt of call.	
2.9.	The CONTRACTOR must coordinate with Facilities Maintenance Division (FMD) of the BTr for scope of electrical concerns.	
2.10.	Mode of Payment: Monthly Payment; The following requirements are needed as deliverables prior to the payment: 2.10.1. From First to Third Month	

AGENC	Y SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
2.10.1.1.	Monthly reports which consist of: <i>Please refer</i> to Section VII Item 2.5 of Technical Specification	
2.10.2. From Four	th to Sixth Month	
2.10.2.1.	Monthly reports which consist of: <i>Please refer</i> to Section VII Item 2.5 of Technical Specification	
2.10.2.2.	Training Completion Certificate which refer to Part I. Section 2.5.6 of this Terms of Reference	
2.10.3. Seventh to	Eleventh Month	
2.10.3.1.	Monthly reports which consist of: <i>Please refer</i> to Section VII Item 2.5 of Technical Specification	
2.10.4. Twelfth M	onth	
2.10.4.1.	Monthly reports which consist of: Please refer to Section VII Item 2.5 of Technical Specification, 1.13.9 of Terms of Reference Update network layout and 2.5.7 of Terms of Reference Must Submit Electrical As-Built Plan of the Data Center	

I hereby certify that the statement of compliance to the foregoing technical specifications are true and correct, otherwise, if found to be false either during bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.

Name of Company	Signature Over Printed Name of	Date
	Authorized Representative	

TECHNICAL SPECIFICATIONS

LOT NO. 2 : One (1)-Year Comprehensive Maintenance and

Support Services for the Data Center IT Infrastructure and Auxiliary Equipment of the BTr

- Panay Office

QUANTITY : 1 lot

APPROVED BUDGET FOR THE

CONTRACT : ₱8,173,076.92

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
One (1)-Year Comprehensive Maintenance and Support Services for the	
Data Center IT Infrastructure and Auxiliary Equipment of the BTr –	
Panay Office which consist and comply with the following minimum	
requirements unless specified:	
1. SCOPE OF WORK	
Perform Preventive Maintenance Service on the following systems inside	
the Data Center	
1.1. Electrical System	
Electrical system maintenance works shall cover the Data Center (Cold	
Aisle area, NOC, and Auxiliary), EE room, TelCo room, Gen set and	
Condenser unit area, and IDF room.	
Maintenance services for the electrical system shall include the	
following as needed:	
1.1.1. Checking of circuit breakers and switches.	
1.1.2. Perform load balancing as needed to prevent power	
overload and other power issues; Study the system load	
during the actual operation, Determine the unbalance	
phase load; Transfer/reconfigure load to balance the phase	
load, Monitor the balanced current load; Project the	
additional load per phase and re-balance load as the	
change arise.	
1.1.3. Provide and readjust electrical load requirement as	
necessary for the equipment installed in every rack cabinet	
within the existing overall load capacity of the UPS. Add	
and install additional PDU and electrical cabling as	
necessary. 1.1.4. Calibration of protective relays. Perform megger testing.	
Identification of potential electrical problems.	
•	
1.1.5. Survey and identify of high temperature incursions.	
1.1.6. Switchgear cleaning and inspection.	
1.1.7. Cleaning and tightening of all electrical connections and equipment enclosures.	

AGENCY SPECIFICATIONS STAT	IDDER'S EMENT OF MPLIANCE
1.2. Uninterruptible Power Supply	TI ENTITEE
Maintenance services shall cover the two (2) operational units of	
80KVA-capacity UPS installed at the Auxiliary Area of the Data	
Center:	
In the event of Maintenance procedure, the Data Center shall not experience any power interruption that will cause unexpected shut off of any equipment of the Data Center. Maintenance services for	
the UPS shall include the following as needed:	
1.2.1. Monthly periodic maintenance services for the UPS unit and battery system to be performed on a mutually agreed schedule.	
1.2.2. All the necessary spare parts or consumable items to	
maintain the UPS will be allotted from stock	
Inventory or immediate replacement of defective components.	
1.2.3. Conduct on-site inspection of the equipment and check the	
integrity of any electrified hinges or similar power-	
transfer devices.	
1.2.4. Replace batteries and fine-tune each opening.	
1.2.5. Check current UPS installation condition. Installation	
should be in accordance with the manufacturer's guideline	
and wiring regulations.	
1.2.6. Provide necessary recommendation to expand the life of	
the equipment. User and operations training refresher for	
client's technical personnel.	
1.2.7. Perform appropriate preventive measures to keep the UPS	
in good and running condition as follows:	
1.2.7.1. Ensure adequate clearance around	
the UPS for ventilation and maintenance	
access. Check the surrounding of the UPS.	
1.2.7.2. Do not allow smoke or naked lights in the	
vicinity of the UPS or its battery. Keep the	
room in which the UPS is situated dry, clean	
and dust free.	
1.2.7.3. Do not store or use corrosive materials in the	
vicinity of the UPS. Do not allow building or	
electrical work to be carried out near the UPS	
unless the machine has first been de-energized	
and covered. Thoroughly clean the room	
before re-energizing the machine.	
1.2.7.4. To ensure optimum performance and life out	
of the UPS the ambient temperature in the	
battery cabinet / compartment should be	
maintained between 20 to 25 degrees	
centigrade.	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.2.7.5. Ensure the ventilation air conditioning is	
sufficient to cope with the heat dissipated and	
is capable of maintaining the Data Center	
within recommended ambient temperature and	
humidity recommendations.	
1.2.8. Record UPS display parameters. Measure actual UPS	
parameters. Measure and record input and output filter	
current.	
1.2.8.1.	
1.2.9. Check for present alarm/s and note findings. Download	
alarm history and event alarms. Check and record	
environmental condition.	
1.2.10. Perform ocular inspection and check capacitors for signs	
of leakage; coils, wire/cables, PCB components for signs	
of burns; blowers for correct operation.	
1.2.11. Perform thermal scanning of all UPS electrical	
connections and power components using infrared scanner	
and note findings.	
1.2.12. If a discrepancy from original calibration was identified,	
transfer the UPS to bypass mode if permitted by the	
Authorized person of Systems Administration Division	
and perform control supply only calibration procedure,	
otherwise, gathering of parameters are to be done thru its	
display and accessible parts are to be checked.	
1.2.13. If the unit needed corrective measures, through cleaning	
of internal components, and other activities that could	
endanger the safety of the personnel, perform orderly	
shutdown of the unit and do as necessary.	
1.2.14. Clean battery tops and terminals for corrosion if present.	
Perform battery test procedure and record parameters.	
Clean UPS and battery cabinet panels.	
1.2.15. Normalize UPS and double-check all display parameters.	
Reset alarm history and event alarms buffer.	
1.2.16. Shutdown the UPS following the recommended operating	
procedures:	
1.2.16.1. Isolate the UPS input Mains supply externally	
and isolate the battery. Ensure that the UPS is	
totally powered down. UPS power components	
and sub-assemblies.	
1.2.16.2. Open the internal hinged	
safety panel to gain access to the interior of the	
UPS. Check electrolytic capacitors for signs of	
leakage, bucking, so forth; check magnetic	
components for signs of overheating, security	
of fixture and de-lamination; check cables	
and connections for chaffing, fraying, and	
signs of overheating; check printed	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
circuit boards for cleanliness and integrity;	
replace bonds that show signs of deterioration;	
verify that all board connections are tight	
and secure; thoroughly clean inside the	
equipment enclosure using a vacuum cleaner	
and low-pressure air to remove foreign debris;	
reconnect the UPS input mains power; start the	
UPS and transfer the load to the inverter.	
1.2.16.3. Complete a battery check as needed. Ensure	
that the available battery autonomy time meets	
the installation specifications.	
1.3. Precision Air-conditioning System (PACS)	
The Data Center is primarily cooled with four (4) Units Indoor 10TR	
PACU and eight (8) Outdoor condensing units which is alternately operated. All these PACUs that help control the environment of the area	
require regular monitoring and maintenance to keep its efficient	
operation.	
Maintenance services for the PACS shall include the following as	
needed:	
1.3.1. Visual inspection of all internal sub-assemblies and major	
components.	
1.3.2. Recording of indicator readings on temperature and	
humidity.	
1.3.3. Cleaning of any foreign material and dust from internal components.	
1.3.4. Check thermostat settings to ensure the cooling system of	
the area is kept comfortable. Check status alarm circuits.	
1.3.5. Clean and pressure wash condenser coils. Dirty coils	
reduce the system's ability to cool and cause the system to	
run longer, increasing energy costs and reducing the life	
of the equipment.	
1.3.6. Tighten all electrical connections and measure voltage and	
current on motors. Check for possible defective or worn	
out electrical components, replace if necessary. Faulty	
electrical connections can cause unsafe operation of the	
system and reduce the life of major components. Check	
for possible defective or worn out electrical components,	
replace if necessary.	
1.3.7. Lubricate all moving parts. Parts that lack lubrication	
cause friction in motors and increase the amount of	
electricity used.	
1.3.8. Check and inspect the condensate drain in the central air	
conditioner, furnace and/or heat pump. Check controls of	
the system to ensure proper and safe operation. Check the	
starting cycle of the equipment to assure the system starts,	
operates, and shuts off properly.	

	AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.3	3.9. Inspect evaporator (indoor blower) and condenser	
1.3	(outdoor unit) air conditioning coils. 3.10. Check central air conditioners refrigerant level and adjust	
	if necessary. Too much or too little refrigerant will make the system less efficient increasing energy costs and reducing the life of the equipment.	
1.3	3.11. Clean and adjust blower components to provide proper system airflow for greater comfort levels. Airflow problems can reduce the system's efficiency.	
1.3	3.12. Inspect and adjust fan belts tension, replace if necessary. Inspect, clean, and change air filters as necessary. A dirty filter can increase energy costs and damage the equipment, leading to early failure.	
1.3	3.13. All the necessary spare parts or consumable items such as filters, charging of Freon, and the likes to maintain the PACU will be allotted from inventory for immediate replacement of defective components at the expense of the Contractor.	
M	ariable Refrigerant Flow (VRF): aintenance of One (1) Outdoor condensing units with five) indoor AC units	
1.4	4.1. Check thermostat settings to ensure that cooling system of the area is kept comfortable.	
1.4	4.2. Tighten all electrical connection and measure voltage and current on motors.	
1.4	4.3. Check and inspect the condensate drain in the air conditioner. A clogged drain can cause water damage and affect indoor humidity levels.	
1.2	4.4. Check controls of the system to ensure proper and safe operation. Check the starting cycle of the equipment to assure the system starts, operates and shuts off properly.	
1.4	4.5. Inspect evaporator (indoor blower) and condenser (outdoor unit) air conditioning coils.	
1.4	4.6. Check central air conditioners refrigerant level and adjust if necessary.	
1.4	4.7. Clean and adjust blower components to provide proper system airflow for greater comfort levels.	
1.4	4.8. Inspect, clean, or change air filters in air conditioning units as applicable.	
1.4	4.9. Perform monthly cleaning of indoor and outdoor units using pressurized washer motor.	
1.4	4.10. Checking of drain pipe to prevent clogged drain of units.	

AGENO	CY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.4.11. Necessary	y spare parts or consumable items to maintain the	
_	U operation shall be allotted from inventory for	
	e replacement of components as needed at the	
	of the contractor.	
1.5. Fire Suppression		
1	ount of investment of BTr from fire hazards and	
	, an automatic and intelligent fire suppression	
system was installed.	, an automatic and intenigent ine suppression	
•	on and check-up of FM-200 field devices such as	
	al pull station, abort station, alarm bell, horn and	
	and components are the vital activities to assure	
	ency of the fire suppression system.	
	for the fire suppression system shall include the	
following as needed:	for the fire suppression system shall include the	
1.5.1. Inspection	n of Davigos	
1.5.1. Inspection 1.5.1.1.	Hazard Enclosure	
1.3.1.1.	Hazaru Enciosure	
	Ch1	
	Check original installation for any changes and	
	equipment have not been replaced, modified,	
	or relocated; verify if the hazard volume is still	
	the same and no walls or partition has been	
	added; verify protected rooms are effectively	
	sealed any significant air leaks that could	
	result to agent leakage and a failure of the	
	enclosure to hold the specified agent	
	concentration level for the specified holding	
	period.	
1.5.1.2.	Agent Cylinder	
	Verify containers and brackets are securely	
	fastened; check mounting position of	
	horizontally mounted containers; verify the	
	status of agent in each cylinder; check all	
	containers pressure gauges; check solenoid	
	valve/gas cartridge actuator leads and wiring to	
	agent release modules for corrosion and loosen	
	or broken wires.	
1.5.1.3.	Piping and Nozzles	
1.3.1.3.	riping and Nozzies	
	Verify discharge nozzles and pipe size; verify	
	piping joints & discharge nozzles securely	
	fastened; verify piping distribution system	
	internally to detect the possibility of any oil or	
	particulate matter soiling the hazard area or	
	affecting the agent distribution due to a	
	reduction in the effective nozzle orifice area;	
	verify the nozzle reflectors are positioned to	

AGEN	CY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
	obtain maximum benefits; verify if discharge nozzle, pipe and fittings.	
1.5.1.4.	Pipe Supports and Braces Inspect pipe supports hangers and braces for loose, corrosion, and physical damage.	
1.5.1.5.	Fire Detection, Alarm, Releasing Devices and Peripherals	
	Verify all wiring systems are properly installed in compliance with local codes and the system drawings; Verify the control panels; check if all end-of-line resistors are intact for backflow loop; verify alternating current (ac) and direct current (dc)wiring; verify all field circuits; check the control panel power supplied to the control unit from a separate dedicated source that will not be shut down on system operation; verify availability of adequate and reliable primary and 24-hour minimum standby sources of energy are used to provide for operation of the detection, signaling, control, and actuation requirements of the system; verify all auxiliary functions for proper operation in accordance with system requirements; verify detection devices in proper type and location; verify condition of detectors; verify manual pull stations are properly installed, readily accessible, accurately identified, and properly protected to prevent damage; verify all manual stations used to release agents require two separate and distinct actions for operation and properly identified; verify the main/reserve switches are properly installed, readily accessible, and clearly identified.	
1.5.2. Testing	readily accessione, and elearly identified.	
1.5.2.1	Disable each agent storage container release mechanism so that activation of the release circuit will not release agent.	
1.5.2.2	Verify the control panel is connected to a dedicated circuit and labelled properly. Verify control panel is readily accessible, yet restricted from unauthorized personnel.	
1.5.2.3	Using smoke tester, check each detector for proper response. Verify all alarm functions occur according to design specification.	
1.5.2.4.	Operate the necessary circuit to initiate a second alarm circuit if present. Check each detector for proper response. Verify that all second alarm functions occur according to design specifications.	

	AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
	1.5.2.5. Operate manual release. Verify manual release functions occur according to design specifications.	
	1.5.2.6. Operate abort switch circuit if supplied.	
	1.5.2.7. Verify abort functions according to design specifications.	
	1.5.2.8. Test all supervised circuits for proper trouble response.	
	1.5.2.9. Operate one of each type of input device while on standby power. Verify that an alarm signal is received at remote panel after device is operated. Reconnect primary power supply.	
	1.5.2.10. Operate each type of alarm condition on each signal circuit and verify receipt of trouble condition at the remote station.	
	1.5.2.11. The system shall be returned to its fully operational design condition.	
1.5.3.	Replacement of defective FM-200 components.	
1.5.4.	One-time refill of FM-200 agent if used during the maintenance period or due to accidental discharge.	
1.5.5.	Provision of hand-held, stand-alone fire suppression cylinder as service unit during the refill process and until the actual FM-200 cylinder has been re-installed.	
1.5.6.	Re-testing of the entire fire suppression system upon installation of any replaced device or component.	
1.6. Securit	y Access Control System	
	services for the access control system shall include the	
following as	needed:	
1.6.1.	Visual inspection of all internal sub-assemblies and major components.	
1.6.2.	Hardware troubleshooting and problem isolation.	
1.6.3.	Replacement of defective parts.	
1.6.4.	A set of equivalent access control unit shall be provided on site as back-up unit.	
1.6.5.	Regular monitoring and generation of report as needed from the access control management software.	
1.6.6.	Checking of primary and backup power supply.	
1.6.7.	Cleaning and maintenance inspection of the access control unit including its peripherals such as the electromagnetic lock mechanism, as necessary.	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.7. Security Video Surveillance System: Maintenance of the Security Video Surveillance system to ensure the effectiveness of security camera system shall include the following as needed:	
1.7.1. Check cameras in accordance with the specification and any amendment. Check indicator lamps condition. Check the picture quality of each camera and correct monitor selection.	
1.7.2. Clean camera housings and lenses.	
1.7.3. Check all cables and conduit are properly supported, undamaged and showing no signs of wear.	
1.7.4. Check camera functions and movement and fields of view are free from obstruction.	
1.7.5. Check overall performance of the system.	
1.7.6. Check all power connections to ensure AC plugs are not loose or cable power frayed.	
1.7.7. Check all control equipment running condition.	
1.7.8. Clean monitor screen, control panel and keyboard with diluted cleaning solution.	
1.7.9. Check monitor for proper brightness and contrast.	
1.7.10. Check Hard Disk Drive (HDD) Health and Network Video Recorder (NVR) Recording. Monitor its compression capability and storage capacity level.	
1.7.11. Conduct regular backup of all camera connected to NVR.	
1.8. Water Leak Detection System:	
Water leak detection system installed under the raised flooring that contains sensing cables which were laid out in the Data Center perimeter connected to the control panel with alarm system will be maintained and shall include the following as needed:	
1.8.1. Routine checking and cleaning of all water leak detection components.	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.8.2. Inspection of all sensing cable laid out in the Data Center perimeter.	
1.8.3. Testing of the control panel and alarm system.	
1.8.4. All the necessary spare parts or consumable items to maintain the Water Leak Detection System will be allotted from inventory for immediate replacement of defective components at the expense of the Contractor.	
1.9. Access Raised Flooring System:	
Periodic monthly maintenance service for the acoustic ceiling shall include the following as needed:	
1.9.1. Panel rotation for even wear and Under structure adjustments.	
1.9.2. Replacement broken edge trim and warped panels.	
1.9.3. Refurbish delaminated panels and filter vacuuming.	
1.9.4. Sealant applied to sub flooring and Spot cleaning to remove stains.	
1.9.5. Professional surface cleaning and detail cleaning of entry points.	
1.10. Acoustic Ceiling System: Periodic monthly maintenance service for the acoustic ceiling shall include the following as needed:	
1.10.1. Spot cleaning to remove stains.	
1.10.2. Re-painting or re-capping of grid system.	
1.10.3. Re-surfacing acoustic panels to restore original appearance.	
1.10.4. Re-alignment of t-runners and support.	
1.10.5. Replacement warped or broken acoustic panels at the expense of the Contractor.	
1.11. Tempered Glass Partition: Periodic monthly maintenance service for the Tempered Glass Partition System shall include the following as needed:	
1.11.1. Spot cleaning to remove stains.	
1.11.2. Cleaning of the entire glass panels by squeegee strokes.	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF
	COMPLIANCE
1.11.3. Removing excess dirt at the bottom of the glass panels	
using sponge or dry cloth. 1.11.4. Cleaning of the bottom frame.	
1.11.4. Cleaning of the bottom frame.	
1.11.5. Buffing of glass using soft dry cloth.	
1.11.6. Replacement of broken glass panels at the expense of the Contractor.	
1.12. Cold Aisle Containment:	
1.12.1. Maintenance of the entire Cold aisle containment structure which includes the following components	
1.12.1.1. Tempered Glass	
1.12.1.2. Door Mechanism	
1.12.1.3. Lighting	
1.13. Structured Cabling System: The following shall include all the labor, tools of trade, and expertise	
necessary in the performance of the services as needed:	
1.13.1. Regular monthly routine check of structured cabling installation per cabinet.	
1.13.2. Checking and re-testing of equipment patch cables.	
1.13.3. Perform troubleshooting and provide problem resolution.	
1.13.4. Regular check, test and perform maintenance services to keep the system in good operating condition.	
1.13.5. Perform necessary re-termination of cables at Information Outlet and patch panels.	
1.13.6. Termination of patch cords and pigtails.	
1.13.7. Termination of cables on wiring blocks and patch panels.	
1.13.8. End to end cable testing, labelling and tagging.	
1.13.9. Update network layout and as built documentation using own electronic utilities.	
1.13.10. Maintenance of all server and network racks including IDF racks distributed per floor location.	
1.13.11. Assist in the survey, planning and design, implementation, and documentation of new cabling requirements.	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.13.12. All the necessary spare parts or consumable items to	
maintain the physical cabling system will be allotted from	
inventory for immediate replacement of defective	
components at the expense of the Contractor.	
1.14. Network Switches:	
Maintenance and support works for the active Network Switches setup	
as deployed in strategic locations per IDF rack on each floor of the BTr	
building shall include the following as needed:	
1.14.1. Inspection of Network Rack or IDF Rack to make sure that airflow is unobstructed around the device and into the air	
intake vents.	
1.14.2. Surface cleaning of unit with solution to remove dirt on	
the chassis.	
1.14.3. Apply pressurized air on the LAN ports and chassis to	
remove dust and dirt that can cause malfunction of the	
equipment.	
1.14.4. Cleaning of equipment ventilation for accumulated dirt	
and dust.	
1.14.5. Check the status of the device.	
1.14.6. Check gigabit transceiver if all are working properly and accepted power to transmit light.	
1.14.7. Monitoring and verification of software upgrades. Application of upgrades and updates on equipment with the latest software and firmware provided by the manufacturer as necessary.	
1.14.8. Provision for standby hardware replacement of the defective unit.	
1.14.9. All the necessary spare parts or consumable items to maintain the Network Switches will be allotted from inventory for immediate replacement of defective components at the expense of the Contractor.	
1.15. Two (2) sets of silent type 165 KVA Generator Set - Cummins:	
1.15.1. Lubricating System 1.15.1.1. Check for leaks.	
1.15.1.2. Check engine oil level.	
1.15.1.3. Check hydraulic governor oil level.	
1.15.1.4. Change full flow filter; by-pass filter	
1.15.1.5. Change engine oil of two (2) generator sets twice a year or every six (6) months.	
1.15.2. Cooling System	
1.15.2.1. Check for leaks.	
1.15.2.2. Check for radiator air restriction.	

AGENC	Y SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.15.2.3.	Check the hose & connections.	
1.15.2.4.	Check coolant level	
1.15.2.5.	Check belt condition & tension.	_
1.15.2.6.	Check fan hub, drive pulley, & water pump.	
1.15.2.7.	Change DCA water filter.	
1.15.2.8.	Clean cooling system.	
1.15.3. Air Intake	System	
1.15.3.1.	Check for leaks.	
1.15.3.2.	Check air cleaner restriction.	
1.15.3.3.	Check piping & connections.	
1.15.3.4.	Clean crankcase breather or change air cleaner element.	
1.15.4. Fuel Syste	em	
1.15.4.1.	Check for leaks.	
1.15.4.2.	Check governor linkage.	
1.15.4.3.	Check fuel lines & connections.	
1.15.4.4.	Change fuel filters.	
1.15.4.5.	Clean or change float tank breather.	
1.15.5. Exhaust S	ystem	
1.15.5.1.	Check for leaks.	
1.15.5.2.	Check for exhaust restriction.	
1.15.5.3.	Drain condensate trap.	
1.15.6. Engine Re	elated	
1.15.6.1.	Check for unusual vibration	
1.15.6.2.	Tighten mounting hardware	
1.15.6.3.	Clean the engine	
1.15.7. Battery		
1.15.7.1.	Check battery water level and refill distilled	
1.15.7.2.	water if necessary. Check Battery DC output voltage and charging rate.	_
1.15.7.3.	Replace four (4) pieces 3SM battery 12 Volts if needed.	
1.15.8. Automatic	Transfer Switch (ATS)	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
1.15.8.1. Check ATS indicator lamps and breaker.	
1.15.8.2. Checking of Temperature on busbar and	
terminal connection using Thermal Scanner.	
1.15.9. The CONTRACTOR'S Engineer must assist the BTr	
during refueling.	
1.16. Vulnerability Assessment:	
1.16.1. External Testing: Network mapping and Vulnerability	
Scanning	
1.16.2. Internal Vulnerability Assessment Automated vulnerability scanning, manual security review and	
recommendation	
2. SCOPE OF SERVICES	
Effective support of in-scope services is a result of maintaining consistent	
service levels. The following sections provide relevant details on service	
scope and service availability.	
2.1. Service Scope	
2.1.1. Network Technical Support Personnel with the following	
functions:	
2.1.1.1. Oversee the day-to-day operation of computer networks.	
2.1.1.2. Maintain efficient computer environment by identifying network failure, recommend upgrades and updates as necessary	
2.1.1.3. Maintaining Local Area Network connectivity.	
2.1.1.4. Monitoring Top bandwidth user	
2.1.1.5. Provide assistance to BTR Management in reviewing network policies.	
2.1.1.6. Provide assistance to BTR Management in configuration of network switches and network related devices/equipment.	
2.1.1.7. Assist in BTR Management in maintaining user account, profiles, file sharing, access privileges and security in Active directory	
2.1.1.8. Assist BTR Management in implementation of network policies and operational procedure.	
2.2. Provide at least five (5) on-site technical support personnel for a	
period of Twelve (12) months and perform other task required for	
continuous Data Center Operation 24 x 7 for continuous Data	
Center operation with the following qualifications:	
2.2.1. At least one (1) personnel must be trained and certified in	
the existing major Data Center components, submit certification as proof:	
2.2.1.1. Air Conditioning Units (PACU)	

	AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
	2.2.1.2. VRF (ACU)	
	2.2.1.3. Uninterruptible Power Supply	
	2.2.1.4. Fire Suppression	
	2.2.2. At least one (1) personnel with electrical and/ or structured cabling system experience.	
2.3.	Provide 24 x 7 Phone and Email Support and Onsite Technical Support.	
2.4.	Person-to-person (P2P) response time of on-site personnel to user requests shall be made within two (2) hours from receipt of call.	
2.5.	Inspection Frequency, reports, documentation and training:	
	2.5.1. Conduct weekly system monitoring:	
	2.5.1.1. Data Center Equipment	
	2.5.1.1.1. Precision Air-conditioning System (PACS)	
	2.5.1.1.2. Access Raised Flooring System	
	2.5.1.1.3. Acoustic Ceiling System	
	2.5.1.1.4. Tempered Glass Partition	
	2.5.1.1.5. Cold Aisle Containment	
	2.5.1.1.6. Structured Cabling System	
	2.5.1.1.7. Network Switches	
	2.5.1.2. Auxiliary Equipment	
	2.5.1.2.1. Electrical System 2.5.1.2.2. Uninterruptible Power Supply	
	2.5.1.2.3. Variable Refrigerant Flow (VRF)	
	2.5.1.2.4. Fire Suppression System	
	2.5.1.2.5. Security Access Control System	
	2.5.1.2.6. Security Video Surveillance System	
	2.5.1.2.7. Water Leak Detection System	
	2.5.1.2.8. Generator Set	
	2.5.2. Conduct monthly system testing:	
	2.5.2.1. Data Center Equipment	
	2.5.2.1.1. Precision Air-conditioning System (PACS)	
	2.5.2.1.2. Access Raised Flooring System	
	2.5.2.1.3. Acoustic Ceiling System	
	2.5.2.1.4. Tempered Glass Partition	

	AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
	2.5.2.1.5. Cold Aisle Containment	
	2.5.2.1.6. Structured Cabling System	
	2.5.2.1.7. Network Switches	
	2.5.2.2. Auxiliary Equipment	
	2.5.2.2.1. Electrical System 2.5.2.2.2. Uninterruptible Power Supply	
	2.5.2.2.3. Variable Refrigerant Flow (VRF)	
	2.5.2.2.4. Fire Suppression System	
	2.5.2.2.5. Security Access Control System	
	2.5.2.2.6. Security Video Surveillance System	
	2.5.2.2.7. Water Leak Detection System	
	2.5.2.2.8. Generator Set	
	2.5.3. Submit monthly activity report with photo attachment	
	2.5.4. Submit incident report (if any) with attached photo before	
	and after the action taken 2.5.5. Submit monthly site inspection report and attach photo of	
	inspection	
	2.5.6. Must Submit Electrical As-Built Plan of the data center	
2.6.	Designate a head office-based personnel who will be responsible in managing and providing administrative support for the services as follows:	
	2.6.1. One (1) Project Manager or Equivalent:	
	2.6.1.1. Must be a regular employee for at least five years.	
	2.6.1.2. Must have project management training	
	2.6.1.3. Must be trained in premises cabling system design, and installation by an Original Equipment Manufacturer (OEM).	
	2.6.1.4. Must be trained in Total Building Integration Cabling and Project Management	
	2.6.1.5. Must be trained in Wireless LAN	
	2.6.1.6. Trained in Fire Systems Design, Configuration, Installation	
	2.6.1.7. Trained in Precision Air-Conditioning System	
	2.6.1.8. Trained in Uninterruptible Power Supply	
	2.6.1.9. Must submit certification for all trainings attained for validation	

	AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
	2.6.1.10. Must submit all the Certificate referring to 2.6.1.2, 2.6.1.3, 2.6.1.4, 2.6.1.5, 4.6.1.6 2.6.1.7 and 2.6.1.8 for validation.	:
	2.6.1.11. Must also submit Curriculum Vitae (CV)	
	2.6.2. Back Office support – provide administrative support service including processing relevant documents pertinent to the administration of the services herein required.	
	2.6.3. One (1) safety Officer:	
	2.6.3.1. Must be a licensed engineer	
	2.6.3.2. Must have a professional certificate in facilities management.	
	2.6.3.3. Must have completed the prescribed course in Occupational Safety and Health by DOLE.	
	2.6.3.4. Must have completed the prescribed course in Basic Occupational Safety and Health (BOSH by DOLE.	
2.7.	Phone and email support: 24 x 7 Monday – Sunday including regular holidays, special holidays and government announced holidays.	-
2.8.	On-call personnel: 24 x 7 Monday – Sunday including regula holidays, special holidays and government announced holidays On call support is provided in situations that require the presence of Technical Personnel at BTr site as urgently needed to perform critical activities. Response time is within 4 hours from receipt o call.	e 1
2.9.	The CONTRACTOR must coordinate with Facilitie Maintenance Division (FMD) of the BTr for scope of electrical concerns.	
2.10.	Mode of Payment: Monthly Payment; The following requirements are needed as deliverables prior to the payment:	,
	2.10.1. From First to Third Month	
	2.10.1.1. Monthly reports which consist of: <i>Please refe</i> to Section VII Item 2.5 of Technica Specification	
	2.10.2. From Fourth to Sixth Month	
	2.10.2.1. Monthly reports which consist of: <i>Please refe</i> to Section VII Item 2.5 of Technica Specification	l
	2.10.3. Seventh to Eleventh Month	_
	2.10.3.1. Monthly reports which consist of: <i>Please reference</i> to Section VII Item 2.5 of Technical Specification	
	2.10.4. Twelfth Month	

AGENCY SPECIFICATIONS	BIDDER'S STATEMENT OF COMPLIANCE
2.10.4.1. Monthly reports which consist of: Please refer to Section VII Item 2.5 of Technical Specification, 1.13.9 of Terms of Reference Update network layout and 2.5.7 of Terms of Reference Must Submit Electrical AS-Built Plan of the Data Center* *Note: Please refer to Terms of Reference Item 1.1 for the locations	

I hereby certify that the statement of compliance to the foregoing technical specifications are true and correct, otherwise, if found to be false either during bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.

Name of Company	Signature Over Printed Name of	Date
	Authorized Representative	