

	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
4	Main Data Center to Admin Data Center (NEW)		1	Lot					
	Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
5	Main Data Center to Existing Football Stadium		1	Lot					
	Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
6	Football Stadium to Training Gym		1	Lot					
	Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
7	Main Data Center to PPO/FORMER HKC Building		1	Lot					
	Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
8	Main Data Center to SOM Building		1	Lot					
	Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								

	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
9	Kalimudan to Coconut Tissue Culture Building		1	Lot					
	Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
10	Main Data Center to CARIM II		1	Lot					
	Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
11	Carim II(1st flr) to Carim II(2nd flr)		1	Lot					
	Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
12	Carim II to Carim III		1	Lot					
	Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
13	CSM to Infectious Disease Building		1	Lot					

	Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
14	CSM to NICER Building		1	Lot					
	Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
	Fiber Optic Cable Rehabilitation								
15	CSM Building to CSM Dorm ANNEX Building		1	Lot					
	Repair and Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Repair, Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
16	CSM Building to CSM Dorm ANNEX II Building		1	Lot					
	Repair and Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Repair, Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
17	Main Data Center to Guard House		1	Lot					
	Repair and Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Repair, Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to								

	designated ODF								
18	Main Data Center to EBL Building		1	Lot					
	Repair and Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Repair, Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
19	Re-termination of Other Buildings		1	Lot					
	Repair and Supply of Fiber Optic Cable (FOC), PE protective pipes and all necessary materials needed for cable layout and installation								
	Combination of aerial & canal system, direct underground burial and concrete underground burial FOC layout								
	Repair, Supply and installation of fiber optic housing hardware, fiber optic patch panel (LIU) and other necessary equipment and materials								
	Pulling, testing and termination of fiber optic cores to designated ODF								
20	Transfer and Retermination of the 78 ports fibers in Admin building to the new location and the new High Density Optical Distribution Frame		1	Lot					
21	High Density Optical Distribution Frame		1	lot					
	Supply, installation, termination, testing High Density Optical Distribution Frame								
22	10G High Density Fiber Patch Cord (6 meters)		428	pieces					
23	Fiber Optic Cable Runner System for the new route of the University Fiber Backbone		1	Lot					
24	Re-structured cabling(CAT6a) of the 14 units Cameras in CHSS Wing Admin Building to the Main Data Center.		1	Lot					
25	Networks Cable+Network Tester Advanced Kit		1	Lot					
26	Optical Power Meter and Fiber Test Kits		1	Lot					

39	40G QSFP+ LC LR4 SM Transceiver(for Connecting the 2 Units Top of the Rack Switch for HCI Aruba Core Switch)		4	unit/s					
	Includes supply, installation, commissioning, configuration, documentation and training								
40	Warranty for 40G QSFP+ LC LR4 SM Transceiver(for Connecting the 2 Units Top of the Rack Switch : At least 3 years warranty and 3 years on-site support		4	unit/s					
41	25G SFP28 LC LR 10km SMF Transceiver (for the ARUBA Core Switch(spares))		8	unit/s					
	Includes supply, installation, commissioning, configuration, documentation and training								
42	Warranty for 25G SFP28 LC LR 10km SMF Transceiver (for the ARUBA Core Switch(spares)): At least 3 years warranty and 3 years on-site support		8	unit/s					
43	6 units Windows server 2022 datacenter - 16 core (perpetual) commercial and 350 units of Client Access License (CAL)		1	lot					
44	DNS Server with perpetual Hypervisor and transceivers		1	lot					
45	Warranty for DNS Server with perpetual Hypervisor and transceivers: At least 3 years warranty and 3 years on-site support		1	lot					
47	Backup Core Switch for the 1Gb Backbones		1	lot					
48	Warranty for Backup Core Switch for the 1Gb Backbones: At least 3 years warranty and 3 years on-site support		1	lot					
49	Enterprise Backup and Recovery Appliance/Server		1	lot					
	Includes supply, installation, commissioning, configuration, documentation and training of the Enterprise Backup and Recovery Appliance/Server and electrical requirements needed to function in the assigned location								
50	Warranty for Enterprise Backup and Recovery Appliance/Server: At least 5 years warranty and 5 years on-site support		1	lot					
	ELECTRICAL WORKS								
	WIRES AND CABLES								
51	100mm ² THHN/THWN-2 Stranded Copper Wire Note: If the wire route is straight from EE Room to Data Center w/ risers it requires 150 lm only however we recommend extending the wires from ATS to Genset & from ATS to existing MDP to improve the ampacity of the existing wires. Total requirement is		390	lm					

	390Im. ED Gemelo-05/30/2024							
52	38mm ² THHN/THWN-2 Stranded Copper Wire		280	Im				
53	22mm ² THHN/THWN-2 Stranded Copper Wire		20	Im				
54	22mm ² TW Stranded Copper Wire (G)		80	Im				
55	14mm ² THHN/THWN-2 Stranded Copper Wire		150	Im				
56	14mm ² TW Stranded Copper Wire (G)		50	Im				
57	8.0mm ² TW Stranded Copper Wire		200	Im				
58	5.5mm ² THHN/THWN-2 Stranded Copper Wire		4	roll(s)				
59	3.5mm ² TW Stranded Copper Wire (G)		4	roll(s)				
	CABLES TRAYS, CONDUITS AND ACCESSORIES							
60	1/2" Ø uPVC Conduit		40	length				
61	3/4" Ø EMT Conduit		20	length				
62	1" Ø EMT Conduit		50	length				
63	1 1/2" Ø EMT Conduit		5	length				
64	1 1/2" Ø uPVC Conduit		5	length				
65	2" Ø IMC Conduit		35	length				
66	2" Ø uPVC Conduit		15	length				
67	3/8" Ø Circular Loom		1	roll				
68	2400mm x 300mm x 100mm Cable Tray w/ cover and complete accessories		8	length				
69	Fittings and Accessories		1	lot				
	PANELBOARDS, ENCLOSED CB AND CONTROLS							
70	PANEL "S" , IN NEMA-1,BOLT-ON TYPE ENCLOSURE GA. 16, G.I, WITH COMPLETE TERMINAL LUGS AND GROUNDING BUS, WITH COMPLETE TERMINAL LUGS AND GROUNDING BUS, DEADFRONT AND LEVER HANDLE LOCK WITH KEY. MAIN:1-225AT/250AF, 22kAIC, 3P, 230V, MCCB; BRS: 4-30AT/100AF, 10kAIC, 3P, 230V, MCCB; BRS: 2-100AT/100AF, 10kAIC, 2P, 230V, MCCB; BRS: 2-125AT/100AF, 10kAIC, 3P, 230V, MCCB; BRS: 4-100AF, 2P, SPACE WITH BUS BAR EXTENSION		1	assy.				
71	PANEL "U1 & U2" , IN NEMA-1,BOLT-ON TYPE ENCLOSURE GA. 16, G.I, WITH COMPLETE TERMINAL LUGS AND GROUNDING BUS, WITH COMPLETE TERMINAL LUGS AND GROUNDING BUS, DEADFRONT AND LEVER HANDLE LOCK WITH KEY. MAIN:1-125AT/250AF, 22kAIC, 2P, 230V, MCCB; BRS: 5-30AT/100AF, 10kAIC, 2P, 230V, MCB; BRS: 1-60AT/100AF, 10kAIC, 2P, 230V, MCB;		1	assy.				
72	PANEL "RP" , IN NEMA-1,BOLT-ON TYPE ENCLOSURE GA. 16, G.I, WITH COMPLETE TERMINAL LUGS AND GROUNDING BUS, WITH COMPLETE TERMINAL LUGS AND GROUNDING BUS, DEADFRONT AND LEVER HANDLE LOCK WITH KEY. MAIN: 2-125AT/250AF, 22kAIC, 2P, 230V, MCCB; BRS: 6-50AT/100AF, 10kAIC, 2P, 230V, MCB;		1	assy.				
73	AUTOMATIC TRANSFER SWITCH WITH TIMER MAIN: 2-40AT, 2P, 10kAIC, 230B, MCB		1	assy.				

74	30AT, 2P, 240V, ECB, NEMA 3R ENCLOSURE (IP65)		2	assy.					
75	40AT, 2P, 240V, ECB, NEMA 3R ENCLOSURE (IP65)		3	assy.					
	ELECTRICAL ROOM								
76	(ECB) 225AT, 3P, 240V, MCCB, NEMA1 ENCLOSURE, WITH SINGLE PHASING SENSOR PROTECTION, AND SURGE PROTECTION DEVICE.		1						
	SYSTEM GROUNDING (Under Miscellaneous)								
77	Surge Protection Device		1	set/s					
78	5/8" X 10ft Copper Weld Ground Rod		3	Pcs					
	Miscellaneous								
79	Electrical Tape		15	rolls					
80	3/8" Ø Expansion Bolt		50	pcs					
81	1/2" Ø Metal Clamp		120	pcs					
82	2" Ø Unistrut conduit clamp		15	pcs					
83	Rubber Tape		5	rolls					
84	3/8" Drill bit		15	pcs					
85	1/2" Drill bit		15	pcs					
86	Tie Wire		2	kg					
87	Consumable & Accessories		1	lot					
	CHSS OFFICE - ADDITIONAL POWER SUPPLY								
88	PANEL "Q", IN NEMA-1, BOLT-ON TYPE ENCLOSURE GA. 16, G.I, WITH COMPLETE TERMINAL LUGS AND GROUNDING BUS, WITH COMPLETE TERMINAL LUGS AND GROUNDING BUS, DEADFRONT AND LEVER HANDLE LOCK WITH KEY. MAIN:1-100AT/250AF, 22kAIC, 3P, 230V, MCCB; BRS: 4-40AT/100AF, 10kAIC, 2P, 230V, MCB; BRS: 6-20AT/100AF, 10kAIC, 2P, 230V, MCB;		1	assy.					
89	Wiring and Rough Ins INCLUDED		1	lot					
	CSM - ADDITIONAL POWER SUPPLY								
90	PANEL "CSM", IN NEMA-1, BOLT-ON TYPE ENCLOSURE GA. 16, G.I, WITH COMPLETE TERMINAL LUGS AND GROUNDING BUS, WITH COMPLETE TERMINAL LUGS AND GROUNDING BUS, DEADFRONT AND LEVER HANDLE LOCK WITH KEY. MAIN: 1-100AT/250AF, 22kAIC, 3P, 230V, MCCB; BRS: 4-30AT/100AF, 10kAIC, 2P, 230V, MCB; BRS: 6-30AT/100AF, 10kAIC, 2P, 230V, MCB;		1	assy.					
9187	Wiring and Rough Ins INCLUDED		1	lot					
92	Emergency Lighting Fixtures and associated battery packs		22	set/s					
	PACU								

106	2.5 Inverter Split Type Aircon Location:CSM Server Room		2	Lot					
	with timer and mechanism to automatically alternate between the two split type Aircon								
	Includes supply, installation and commissioning of the split type aircon and electrical requirements needed to function in the assigned location								
	<ul style="list-style-type: none"> Warranty: At least 3 years warranty for Outdoor PCB At least 1 year warranty for parts & labor At least 5 years warranty for compressor 								
107	Relocation of Existing Split type aircon		1	Lot					
	Includes relocation of existing Split type Aircon in Admin Building Data Center to the CARIM Server Room								
	Includes transfer, installation and commissioning of the split type aircon and electrical requirements needed to function in the assigned location								
	<ul style="list-style-type: none"> Warranty: At least 1 years warranty 								
108	Data Center Set-up .Civil Works: Furnishing of walls, ceilings, glass doors and FireProofing (Supply of materials and Installation)		1	lot					
109	Data Center Set-up Double wall protection, (Sliding Door) (Supply, Installation, Configuration and Testing)		1	lot					
110	Proximity Door lock System : Face ID Access Control System, (Face and ID Access), ElectroMagnetic Lock, 600lbs. Holding force, 12VDC operating voltage with LZ Bracket, Regulated Power Supply, 12VDC for Locks, RF Cards Issued to Authorized personnel only (Supply, Installation, Configuration and Testing)		1	Set					
	General Requirements								
111	Supply of Roughing-In Materials - Inclusive of Cable trays, PVC conduits w/ complete fittings, Junction boxes, hangers and support and Miscellaneous consumables)		1	lot					
112	Labor and Engineering - Inclusive of conduiting, cable pulling, termination, cable dressing, labeling and testing)		1	lot					
113	Mobilization and Demobilization		1	lot					
114	Near Site Accomodation for Installers		1	lot					
115	Shipping Charges		1	lot					

116	Project Management and Documentation		1	lot					
117	Occupational Safety and Health Requirement		1	lot					
118	Configuration, Testing, Commissioning, and knowledge transfer		1	lot					
119	Data Center Set-up .Civil Works: Furnishing of walls, ceilings, glass doors and FireProofing (Supply of materials and Installation)		1	lot					
120	Data Center Set-up Double wall protection, (Sliding Door)		1	lot					

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____