



Republic of the Philippines  
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**BIDS AND AWARDS COMMITTEE**

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**TECHNICAL SPECIFICATIONS**

**Solicitation No. RSU-2022-02-015**

**ABC: PhP9,737,429.55**

**QTY: 293**

**Upgrade of RSU Main and Satellite Campus CAN**

<b>UNIT</b>	<b>ITEM DESCRIPTION</b>	<b>STATEMENT OF COMPLIANCE</b>
pcs	SFP module 1.25 Gbps	
pcs	SFP Module 10Gbase Transceiver	
pcs	Access controller for Access point	
pcs	Gigabit router dual core (5-port Gigabit Ethernet, Dual Core 880MHz CPU, 256MB RAM, USB, Bandwidth Management Router)	
pcs	Wireless AP for In-door (Dual Band Ceiling Mount Access Point, Qualcomm, 1300Mbps at 5GHz + 450Mbps at 2.4GHz, 1 Gigabit LAN, 802.3at PoE, 6 Internal Antennas, Band Steering, Centralized Management, Captive Portal, Load Balance, Rate Limit, VLAN)	
pcs	Wireless AP for out-door (Dual Band, 120 Deg Directional, 1300Mbps at 5GHz + 450Mbps at 2.4GHz, 1 Gigabit LAN, 802.3at PoE, Band Steering, Centralized Management, Captive Portal, Load Balance, Rate Limit)	
pcs	42U Data storage Cabinet including ventilation fan. Material: SPCC cold rolled sheet, thickness mounting profile 2.0mm, others 1.2mm, floor standing cabinet, 1 pc double open door with handle lock, 1 pc single open vented rear door with small round lock, 2 pcs removable side panel, 4 pcs mounting profile, 4 pcs mounting angle, fans with plugs, disassembled packing	
pcs	Main Router. 1U rackmount, 8x Gigabit Ethernet, 2xSFP+ cages, LCD, 36 cores x 1.2GHz CPU, 8GB RAM, Dual PSU	
pcs	Layer 3 Manage switch. 28-Port Gigabit L3 Managed Switch, 24 Gigabit RJ45 Ports, 4 Combo Gigabit SFP Slots, 2 Integrated 10G SFP+ Slots, 2 Optional 10G SFP+ Slots, RJ45	
pcs	Rock Mounter Server with Intel xeon processor 6C/6T, 16gb ddr4 x 4, 2Tb x 2hdd 7200rpm raid configuration, windows server 2019 essentials, dual Lan slot for teaming, single cable power supply 350w, including logistics and installation,	



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	2 years vendor support, 2 years warranty, keyboard, mouse	
pcs	15U Data cabinet	
pcs	Smart switch. 24-Port Gigabit Smart Switch, 24 Gigabit RJ45 Ports, 4 SFP Slots, 1U 19-inch Rack-mountable Steel Case, Static Routing, 802.1Q VLAN, STP/RSTP/MSTP, IGMP Snooping, 802.1p/DSCP QoS, ACL, 802.1x, Radius/Tacacs+ Authentication, LACP, CLI, SNMP, Dual Image, IPv6	
lot	b. Installation and Cabling Works with complete hardwares and accessories, quantities as per needed	
	Including:	
	1/2" Ø Flexible hose & Plastic Moulding	
	I/O port cat6	
	Utility box	
	RJ45 cable for CAT6	
	Network Cable Tray	
	Fiber toolkit with hard case	
	Fiber media converter	
	Ramp Cable protection 1M	
	Fiber optic single core mode,	
	CAT6 UPT cable Pure copper	
	CAT6 UTP Outdoor cable Pure Copper	
	8 gang power distribution unit	
	Cable management Guide	
	1U Cable management guide for switches	
	1U Patch Panel 24 port cat6	
	SC port	
	Rubber boots for CAT6	
	Outdoor Data Cabinet (can hold UPS & other network Equipment)	
	1" Ø Conduits PVC pipe for fiber optic protection,	
	Media converter chassis. housing for fiber media converter	
	Fiber optic 2 core. Single mode,	
<b>II. Campus Area Network and Backup NOC Equipment's with Installation and Cabling works (Romblon Campus)</b>		
pcs	Gigabit router dual core (5-port Gigabit Ethernet, Dual Core 880MHz CPU, 256MB RAM, USB, Bandwidth Management Router)	
pcs	Wireless AP for In-door (Dual Band Ceiling	



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	Mount Access Point, Qualcomm, 1300Mbps at 5GHz + 450Mbps at 2.4GHz, 1 Gigabit LAN, 802.3at PoE, 6 Internal Antennas, Band Steering, Centralized Management, Captive Portal, Load Balance, Rate Limit, VLAN )	
pcs	Wireless AP for out-door (Dual Band, 120 Deg Directional, 1300Mbps at 5GHz + 450Mbps at 2.4GHz, 1 Gigabit LAN, 802.3at PoE, Band Steering, Centralized Management, Captive Portal, Load Balance, Rate Limit)	
set	42U Data storage Cabinet including ventilation fan. Material: SPCC cold rolled sheet, thickness mounting profile 2.0mm, others 1.2mm, floor standing cabinet, 1 pc double open door with handle lock, 1 pc single open vented rear door with small round lock, 2 pcs removable side panel, 4 pcs mounting profile, 4 pcs mounting angle, fans with plugs, disassembled packing	
set	Main Router. 1U rackmount, 8x Gigabit Ethernet, 2xSFP+ cages, LCD, 36 cores x 1.2GHz CPU, 8GB RAM, Dual PSU	
set	Layer 3 Manage switch. 28-Port Gigabit L3 Managed Switch, 24 Gigabit RJ45 Ports, 4 Combo Gigabit SFP Slots, 2 Integrated 10G SFP+ Slots, 2 Optional 10G SFP+ Slots, RJ45	
set	Rock Mounter Server with Intel Xeon processor 6C/6T, 16gb ddr4 x 4, 2Tb x 2hdd 7200rpm raid configuration, windows server 2019 essentials, dual Lan slot for teaming, single cable power supply 350w, including logistics and installation, 2 years vendor support, 2 years warranty, keyboard, mouse	
set	15U Data cabinet	
lot	b. Installation and Cabling Works with complete hardware's and accessories, quantities as per needed	
	Including:	
	1/2" Ø Flexible hose & Plastic Moulding	
	I/O port cat6	
	Utility box	
	RJ45 cable for CAT6	
	Network Cable Tray	
	Ramp Cable protection 1M	
	Access controller for AP	
	CAT6 UPT cable Pure copper	



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	8 gang power distribution unit	
	Cable management	
	1U Cable management guide for switches	
	1U Patch Panel 24 port cat6	
	Rubber boots for CAT6	
<b>III. Campus Area Network Equipment's with Installation and Cabling works (7 Satellite Campuses)</b>		
pcs	Gigabit router dual core (5-port Gigabit Ethernet, Dual Core 880MHz CPU, 256MB RAM, USB, Bandwidth Management Router)	
pcs	Wireless AP for In-door (Dual Band Ceiling Mount Access Point, Qualcomm, 1300Mbps at 5GHz + 450Mbps at 2.4GHz, 1 Gigabit LAN, 802.3at PoE, 6 Internal Antennas, Band Steering, Centralized Management, Captive Portal, Load Balance, Rate Limit, VLAN )	
pcs	Wireless AP for out-door (Dual Band, 120 Deg Directional, 1300Mbps at 5GHz + 450Mbps at 2.4GHz, 1 Gigabit LAN, 802.3at PoE, Band Steering, Centralized Management, Captive Portal, Load Balance, Rate Limit)	
sets	Smart Switch. 24-Port Gigabit Smart Switch, 24 Gigabit RJ45 Ports, 4 SFP Slots, 1U 19-inch Rack-mountable Steel Case, Static Routing, 802.1Q VLAN, STP/RSTP/MSTP, IGMP Snooping, 802.1p/DSCP QoS, ACL, 802.1x, Radius/Tacacs+ Authentication, LACP, CLI, SNMP, Dual Image, IPv6	
sets	15U Data cabinet	
lot	b. Installation and Cabling Works with complete hardwares and accessories, quantities as per needed	
	Including:	
	1/2" Ø Flexible hose & Plastic Moulding	
	Utility box	
	RJ45 cable for CAT6	
	Network Cable Tray	
	Ramp Cable protection 1M	
	Access controller for AP	
	CAT6 UPT cable Pure copper	
	Rubber boots for CAT6	
<b>IV. 15KW Solar Power Generator for RSU Main CAN and NOC with complete Accessories with Installation</b>		
<b>Equipment List</b>		
pcs	500W Solar Panel	



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set	Solar charge controller for 15KW Solar Power Generator system	
set	15KW Solar inverter	
pcs	100AH Lifepo4 battery	
lot	AC and DC Connecting kit, railings, duct, etc	
lot	Design, Installation, Testing and Commission of DC and AC line protection/ distribution box, wire duct and solar cable	
<b>V. 3KW Solar Power Generator for RSU Romblon CAN and NOC with complete Accessories with installation</b>		
pcs	300W Solar Panel	
pcs	3Kw Solar inverter	
pcs	60-amp Solar charge controller	
pcs	100AH Lifepo4 battery	
lot	AC and DC Connecting kit, railings, duct, etc	
lot	Design, Installation, Testing and Commission of DC and AC line protection/ distribution box, wire duct and solar cable	

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Name and Signature of the Bidder/Authorized Representative

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Name of the Company