



WORK ORDER

DELIVERY DUE DATE: 01 FEB 2025

Procurement Unit
Tel No.: 045-606-8142/606-8157

Supplier : **IPSOLUTIONS, INC.**
Address : Unit 502 Solare Bldg., Capri Oasis, Pasig Dr. Sixto Antonio Ave., Maybunga, Pasig City
TIN: 008-924-552-000 VAT Reg.
Tel. No. : 0999-416-6481/0960-458-3200

Work Order No.: 2024-379
Date : 11/15/2024
JO No. : 2024-336
Date : 8/22/2024
Mode of Procurement: Public Bidding
Mode of Payment: N/30

SIR/MADAM:

You are hereby advised to accomplish/deliver the following job/work within **Sixty (60) calendar days** upon receipt of the Notice of Award as per quotation submitted by you duly approved by the TSU Committee on Bids and Awards and the President of the Agency

QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
1	lot	<p>SUPPLY, DELIVERY, INSTALLATION AND CONFIGURATION OF TSU WI-FI MODERNIZATION FOR SAN ISIDRO CAMPUS (PHASE 1)</p> <p>INDOOR ACCESS POINT, RUIJIE RG-AP820-AR (V3) (26,000.00 x 22 = 572,000.00): Wi-Fi 6 Tri-Radio 3.843 Gbps Indoor Access Point 5 Gbps SFP combo port for flexible networking; Seamless client roaming enabled by AI radio Real-Time, full-band scanning for a secure network; 160 MHz high bandwidth, 3.843 Gbps high speed with Wi-Fi 6; Unified cloud management for easy O&M; Max. number of BSSIDs - 32 (up to 16 BSSIDs per radio); Max. number of WLAN IDs,-16; CAPWAP - IPv4/IPv6 CAPWAP/CAPWAP through NAT; Data forwarding - Centralized and local forwarding; Wireless roaming - Layer 2 and Layer 3 roaming; 24-Port 10GE All-Optical Layer 3 Managed Core & Aggregation Switch, RG-S6150-X (258,000.00 x 1 = 258,000.00): Rich port types, 24 x 10G optical ports, and 8 x 40G/100G optical ports for uplink VSU virtualization, flexible networking and high performance; Layer 3 routing control, adaptive to multiple services, efficient and guaranteed data transmission; Network security policies and real-time monitoring, delivering enhanced network robustness; Paired with INC for simplified and efficient O&M 1 x management port, 1 x console port, and 1 x USB 2.0 port; Switching capacity - 2.8Tbps Link aggregation - Supported MPLS-6PE/6VPE interconnection with IPv4/IPv6 MPLS backbone network; NMS and maintenance - Flow- based mirroring, and N:1 and 1:N port mirroring/ Cloud-based management/CWMP; 24-Port GE Electrical Layer 3 Managed PoE Access Switch, RUIJIE RG-S5300-E (54,255.80 x 5 = 271,279.00): Rich port types, PoE+supported, 24 x 1000 Mbps Ethernet ports, 4 x 10G optical ports for uplink VSU virtualization, flexible networking and high performance; Network security policies and real-time monitoring delivering</p>	3,981,001.00	<u>3,981,001.00</u>

(Please read carefully at the back hereof)

Charge to: Dr. M6441
ROA No. 2024-11-000
CONFORM & RECEIVE COPY:

JOSEPH N. DULCE
IPSOLUTIONS, INC.
Firm/Dealer/Supplier/Contractor
28 NOV 2024

Date
Bank Account Name: IPSOLUTIONS INC.
Bank Account Number: 1641-1017-25
Bank Name: LAND BANK OF THE PHILIPPINES
Bank Address: PASIG - C. MAMUNDO



FUNDS AVAILABLE:

JASPER A. YAUDER, CPA
Budget Office

APPROVED:

DR. ARNOLD E. VELASCO
President
Authorized Official



WORK ORDER

DELIVERY DUE DATE: 01 FEB 2025

Procurement Unit
Tel No.: 045-606-8142/606-8157

Supplier : **IPSOLUTIONS, INC.**
Address : **Unit 502 Solare Bldg., Capri Oasis, Pasig Dr. Sixto Antonio Ave., Maybunga, Pasig City**
TIN: **008-924-552-000 VAT Reg.**
Tel. No. : **0999-416-6481/0960-458-3200**

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		enhanced network robustness; Abundant QoS policies for flexible resource allocation, making congestion a thing of the past; Intelligent speed regulation, port auto sleep, energy-saving; Multiple management modes, simplified and easy network maintenance; System switching capacity - 154 Gbps; System packet forwarding rate-115 Mpps; Management - 1 MGMT port, 1 console port, and 1 USB port, compliant with USB2.0 standard NMS and maintenance - Web/NETCONF/CWMP; Wireless Controller, RUIJIE RG-WS6008 (90,000.00 x 1 = 90,000.00) : Easy Web Management; Artificial Intelligent Cloud Service Application Scenario; IEEE 802.11 security and encryption - Multi-SSID mode /SSID hiding/CCMP/TKIP/Anti-ARP spoofing; User isolation - AC-based user isolation / AP-based user isolation/WLANbased user isolation; CPP-Supported; NFPP-Supported; AP virtualization Supported); Network management platform - Web/Cloud/Wi-Fi Heat map, User access management - Console port login / Telnet login/SSH login/FTP upload, Wi-Fi Equipment Features : Access point, Switch and Controller can be managed via Cloud; Device stability; Signal coverage; Association stability; User experience; Terminal activity/Network saturation; Transceiver, RUIJIE XG-SFP-SR-MM850 (4,000.00 x 10 = 40,000.00) : 10GBASE-SR, SFP+ Transceiver, MM (850nm, 300m, LC); Power Module, RUIJIE RG-PA550I II-F (42,000.00 x 2 = 84,000.00) : Rated input voltage AC input: 100 V AC to 240 V AC; 50 Hz to 60 H; Maximum input voltage AC input: 90 V AC to 290 V AC; 47 Hz to 63 Hz HVDC input: 192 V DC to 288 V DC; Maximum input current AC input: 7.2 A; Output voltage 12 V, 12 VSB; Maximum output current 12 V output: 0 to 45 A 12 VSB output: 0 to 2.1 A; Maximum output power 550 W; Network Monitoring Software, WHATSUP GOLD (100,000.00 x 1 = 100,000.00) : Must have the		

(Please read carefully at the back hereof)

Charge to: 06-106441
ROA No.: 1074-11-0250
CONFORME & RECEIVE COPY:

JOSEPH N. DULCE
IPSOLUTIONS, INC.
Firm/Dealer/Supplier/Contractor
28 NOV 2024
Date

Bank Account Name: IPSOLUTIONS INC
Bank Account Number: 1641-1017-25
Bank Name: LAND BANK OF THE PHILIPPINES
Bank Address: PASIG-C. MARIUNDO



FUNDS AVAILABLE:

JASPER A. YAUDER, CPA
Budget Office

APPROVED:

DR. ARNOLD E. VELASCO
President
Authorized Official



WORK ORDER

DELIVERY DUE DATE: 01 FEB 2025

Procurement Unit
Tel No.: 045-606-8142/606-8157

Supplier : **IPSOLUTIONS, INC.**
Address : **Unit 502 Solare Bldg., Capri Oasis, Pasig Dr. Sixto Antonio Ave., Maybunga, Pasig City**
TIN: **008-924-552-000 VAT Reg.**
Tel. No. : **0999-416-6481/0960-458-3200**

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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		following features: Discovery, Availability & Status, Performance Monitoring, Alerting, Reporting, Inventory, Advanced Monitoring (WMI, SSH, HTTPS), Wireless Monitoring, Cloud Monitoring, Storage Monitoring REST API; Multi-factor Authentication device, YUBIKEY 5 (5,000.00 x 10 = 50,000.00) ; Authentication and cryptographic protocols supported Include FIDO Universal 2nd Factor (U2F), FIDO2/WebAuthn, Personal Identity Verification-compatible (PIV) Smart Card, and OpenPGP smart card.; Works across major operating systems including Microsoft Windows, macOS, IOS, Android, and Linux, as well as leading browsers.; Available form factor that enables admins to connect via USB, NFC capabilities for secure tap and go authentication on all the modern devices Streamlines asset tracking and account recovery processes with enterprise attestation for custom programmed keys; Enforces compliance requirements and elevates security for PIN usage with the latest FIDO2 features such as Force PIN Change and Minimum PIN Length.; Expanded storage capabilities for FIDO2 discoverable credentials and OATH one-time passwords, accommodating up to 100 passkeys and 64 OATH slots per application; The hardware MFA must support multiple authentication protocols in a single key such as FIDO2, FIDO U2F, OpenPGP, PIV, OATH Suppliers keys should meet AAL 3 relevant demands; As a security device, the keys and associated firmware must not be manufactured in certain country such as: China, North Korea, Iran, Syria, Cuba, Sevastopol region; Supplier must demonstrate ability to provide end-user documentation (Registration/How to guides etc) Supplier must demonstrate durability of keys - provide technical stats; Data Cabinet (17,905.00 x 2 = 35,810.00) ; Wall Mount Cabinet height 12U, width 600mm, depth 450mm, with 1U 19"; Power distribution unit, w/aluminum body, US (NEMA5-15P) Plug; 6		

(Please read carefully at the back hereof)

Charge to: **06-106441**
ROA No.: **1024-11-0050**
CONFORME & RECEIVE COPY :

JOSE M. N. DANCE
IPSOLUTIONS, INC.
Firm/Dealer/Supplier/Contractor
28 NOV 2024

Date
Bank Account Name: **IPSOLUTIONS INC.**
Bank Account Number: **1691-1017-25**
Bank Name: **LAND BANK OF THE PHILIPPINES**
Bank Address: **PASIG C. RAJAMUNDO**



FUNDS AVAILABLE:
JASPER A. YAUDER, CPA
Budget Office

APPROVED:
DR. ARNOLD E. VELASCO
President
Authorized Official



WORK ORDER

DELIVERY DUE DATE: 01 FEB 2025

Procurement Unit
Tel No.: 045-606-8142/606-8157

Supplier : **IPSOLUTIONS, INC.**
Address : **Unit 502 Solare Bldg., Capri Oasis, Pasig Dr. Sixto Antonio Ave., Maybunga, Pasig City**
TIN: **008-924-552-000 VAT Reg.**
Tel. No. : **0999-416-6481/0960-458-3200**

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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		universal outlets, w/LED master switch; Data Cabinet (15,000.00 x 2=30,000.00) ; Wall Mount Cabinet, height 9U, width 600mm, depth 450mm; With 1U 19" power distribution unit, w/aluminum body, US (NEMA5-15P) Plug; 6 universal outlets, with LED master switch; 1 Lot-Network & Structured Cabling (2,449,912.00); Mobilization/Demobilization; Labor and engineering for Roughing- in Installation of Access Point; Access point including Cable Termination, Testing & Commissioning; As-Built Documentation, For the following BLDG: Library, CCS, CAFA, CIT and SAS Building; Fiber Optic Backbone for Library, CCS, CAFA, CIT, Gate 1 (Main Gate), Gate 2 (CCS Gate) going to Server Room; 8 units of Premium Line Category 6 U/UTP Installation Cable, 305 m Box, PVC, Blue; 5 units of Premium Line Category 6 90° 1U 24-Port Shielded Patch Panel, Dual Type IDC, Black Loaded; 22 units of Premium Line Category 6 U/UTP, Slimline Patchcord, 30AWG, LSOH, 1m, Blue (panel side; 22 units of Cat6 RJ 45 & Rubber Boo; 4 units of Wall Mount Cabinet, height 12U, width 600mm, depth 450mm, with 1U 19" power distribution unit, w/aluminum body, US (NEMA5-15P) Plug, 6 universal outlets, w/LED master switch; 1 unit of Premium Line Data Cabinet 37 RU, 600 mm Width x 1000 mm Depth, Perforated Front Door, Perforated Rear Door, Black; 1 unit of Fan unit for 1000-depth cabinet, 4 fans, German line, 2m; 4 units of Fan unit for 600-depth cabinet, 2 fans, German line, 2m; 6 units of 1U 19" power distribution unit, w/aluminum body, US (NEMAS-15P) Plug, 1 unit of Premium Line 19" Rack Mounted ODF, 48cores, w/ Splice Trays, w/o Adapter; 24 units of LC/PC Duplex MM Adapter w/zirconia Sleeve; 1 unit of Cable Ladder, uPVC, Conduit, Fittings, Pull box, Hanger, and Support; 4 units of uPVC, Conduit, Fittings, Pull box, Hanger, and Support; 4 units of Fiber Optic Patch Panel Unloaded 19"1U; Support Service Requirements: The bidder must have at least 2 full time		

(Please read carefully at the back hereof)

Charge to: *Dr. Toliman*
ROA No. *2024-11-0050*
CONFIRMED & RECEIVE COPY:

JOSEPH N. DULCE
IPSOLUTIONS, INC.
Firm/Dealer/Supplier/Contractor
Date *28 NOV 2024*

Bank Account Name: IPSOLUTIONS INC.
Bank Account Number: 1641-1617-25
Bank Name: LAND BANK OF THE PHILIPPINES
Bank Address: PACIG - C - RAYMUNDO



FUNDS AVAILABLE: *[Signature]*
JASPER A. YAUDER, CPA
Budget Office

APPROVED: *[Signature]*
DR. ARNOLD E. VELASCO
President
Authorized Official



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		<p>employee that is certified to the product that is being offered (Access point and Switch); Bidder must be Authorized Partner of Product being offered - Certificate issued by the product's manufacturer (Access point and Switch); Bidder must have a Manufacture and Warranty Certificate issued by the product's manufacturer; Bidder must have a certification from TSU-IT Office that they have conducted a Site Survey to ensure Network Cabling requirements are met., 2 days onsite Training for designated Network and Security Administrators, provided with training certificate from the network equipment manufacturer, Warranty 3-year warranty for the fully configured devices included in the project. Include equipment manufacturer and distributor warranty certificates.</p> <p>*****</p>		

(Please read carefully at the back hereof)

Charge to: 86-10444
ROA No. : 2024-11-750
CONFORME & RECEIVE COPY :

JOSEPH N. ALICE
IPSOLUTIONS, INC.
Firm/Dealer/Supplier/Contractor

Date

Bank Account Name: IPSOLUTIONS INC.
Bank Account Number: 1641-1017-25
Bank Name: CAND BANK OF THE PHILIPPINES
Bank Address: PASIG - C - RAYMUNDO



FUNDS AVAILABLE:

JASPER A. YAUDER, CPA
Budget Office

APPROVED:

DR. ARNOLD E. VELASCO
President
Authorized Official