



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.: 2024-378
Date : 11/15/2024
JO No. : 2024-313
Date : 8/8/2024
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	SUPPLY, DELIVERY, INSTALLATION AND CONFIGURATION OF TSU WI-FI MODERNIZATION FOR LUCINDA CAMPUS (PHASE 2) INDOOR ACCESS POINT, RUIJIE RG-AP820-AR (V3) (21,427.12 x 59 = 1,264,200.08): 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-S6150-24VS8CQ X (345,000.00 x 1 = 345,000.00) : 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-S5300-24GT4XS-P-E (65,000.00 x 6 = 390,000.00) : Rich port types, PoE+ supported, 24 x 1000 Mbps Ethernet ports, 4 x 10G optical ports for uplink VSU virtualization, flexible networking and high	5,899,790.00	<u>5,899,790.00</u>

(Please read carefully at the back hereof)

Charge to: Me. Mada
ROA No.: 2024-11-1049
CONFIRM & RECEIVE COPY:

Jessie 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: PAC16-C - RAYMUNDO



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

APPROVED: [Signature]
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**

Work Order No.: **2024-378**
Date : **11/15/2024**
JO No. : **2024-313**
Date : **8/8/2024**
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
		performance; Network security policies and real-time monitoring, delivering 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 (306,790.00 x 1 = 306,790.00) : 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, RUIJIE RG-WIS : 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 (4,800.00 x 12 = 57,600.00) : 10GBASE-SR, SFP+ Transceiver, MM (850nm, 300m, LC); Power Module, RUIJIE XG-PA550I II-F (48,994.46 x 2 = 97,988.92) : 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		

(Please read carefully at the back hereof)

Charge to: *06. MWG/1*
ROA No.: *1024-11-17-29*
CONFORME & RECEIVE COPY:

Saseth 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 - RAYMUNDO



FUNDS AVAILABLE:
Jasper A. Yauder
JASPER A. YAUDER, CPA
Budget Office

APPROVED:
Dr. Arnold E. Velasco
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

Work Order No.: 2024-378
Date : 11/15/2024
JO No. : 2024-313
Date : 8/8/2024
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
		power 550 W; Network Monitoring Software, WHATSUP GOLD (100,000.00 x 1 = 100,000.00): Must have the 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 ANC (5,000.00 x 20 = 100,000.00): 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 (15,000.00 x 8 =		

(Please read carefully at the back hereof)

Charge to: 06-706441
ROA No.: 1024-11-1049
CONFORME & RECEIVE COPY:

JOSHEL N. DULCE
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: PACIG-C-RAYMUNDO



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

Work Order No.: 2024-378
Date : 11/15/2024
JO No. : 2024-313
Date : 8/8/2024
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
		120,000.00): 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; Network & Structured Cabling (3,118,211.00 x 1 = 3,118,211.00) ; 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: FTRC, Student Center, Guard House, TLE and ACAD Building.; Fiber Optic Backbone for NSTP Building, CPAG Gate 2 Building, Guard House Gate 1, TLE Building and Alumni Building going to Server Room"; OM4, Steel Armored, FRP CSM, multi-tube, PE, 8-core Premium Line Category 6 U/UTP Installation Cable, 305 m Box, PVC, Blue Support Service Requirements: The bidder must have at least 2 full time 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. *****		

(Please read carefully at the back hereof)

Charge to: 06-11111
ROA No. 2024-11-0049
CONFIRMED & RECEIVE COPY:
JOSEPH N. RULCE
IPSOLUTIONS, INC.

Firm/Dealer/Supplier/Contractor
Date 28 NOV 2024

Bank Account Name: IPSOLUTIONS INC.
Bank Account Number: 1691-1017-25
Bank Name: LAND BANK OF THE PHILIPPINES
Bank Address: PACIG - C - RAYMUNDO



FUNDS AVAILABLE:
JASPER A. YAUDER, CPA
Budget Office

APPROVED:
DR. ARNOLD E. VELASCO
President
Authorized Official