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TERMS OF REFERENCE

FOR THE

**SUPPLY, DELIVERY,
INSTALLATION AND
CONFIGURATION**

OF

VARIOUS COMPUTER HARDWARE

I. BACKGROUND

The Maritime Industry Authority (MARINA) was created on 01 June 1974 as an attached Agency to the Office of the President (OP) with the issuance of Presidential Decree No. 474, otherwise known as the Maritime Industry Decree of 1974, to integrate the development, promotion and regulation of the maritime industry in the country. With the creation of the Ministry (now Department) of Transportation (DOTr) by virtue of Executive Order No. 546, the MARINA was attached to the DOTr for policy and program coordination on 23 July 1979. By virtue of Republic Act No. 10635, the Maritime Industry Authority (MARINA) is established as the "Single Maritime Administration" responsible for the implementation and enforcement of the 1978 International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, as amended, and International Agreements or Covenants related thereto.

II. OBJECTIVE

The following are the objectives of the project:

1. To upgrade the capability of Computer Hardware and I.T. related equipment of the MARINA Offices and MARINA Regional Office VI for the conduct of Theoretical Exam
2. To support new platform and systems to be implemented by the MARINA as part of its computerization.

III. APPROVED BUDGET FOR THE CONTRACT

1. The Approved Budget for the Contract (ABC) for the project is **Five Million Pesos (P5,000,000.00)** source from the General Appropriations Act of 2018 inclusive of all applicable government taxes and charges.

IV. BIDDERS QUALIFICATIONS

1. Bidders must have completed a similar contract/project equivalent to fifty percent (50%) of the ABC within two (2) years from the date of submission and receipt of bids.
2. Completed at least three (3) similar projects in supply, delivery and installation of computer hardware, within the last three (3) years. This should be vouched by a Certificate of Acceptance issued by the end-user.
3. The Bidder should have been operating in the Philippines for at least five (5) years and is registered with SEC or DTI.

V. DELIVERABLES

	PARTICULARS	QTY	UNIT
1	Rack (Data) Cabinet	2	units
2	Firewall	2	units
3	Server	3	units
4	Desktop Computer	35	units
5	Desktop Computer (All In One)	50	units
6	Multi-Function Printer	22	units

VI. TECHNICAL SPECIFICATIONS

1. RACK (DATA) CABINET

- 1.1 4u Rack Cabinet Size
- 1.2 42 U Height
- 1.3. Must have removable tail-bars at both top and bottom of the rear of the rack
- 1.4 Can Accommodate four full height PDU's at rear of rack
- 1.5 Tool less PDU Mounting kit
- 1.6 Must include the 1U KVM Console with 18.5" LED Display
- 1.7 Must Include the PDU to support all the Devices (Server, Storage, Switches)

2. FIREWALL

- 2.1 1000 base platform, Next generation multi-function firewall with application control NAT, IPv6, HA and Web GUI management S/W 1Gbps UTP x 6 ports, built-in, configurable (Max 4 ports for bypass) 1Gbps Fiber x 2 ports, built-in, configurable
- 2.2 Anti-malware protection , Application filtering , ASIC VPN , DMZ port , Firewall protection , Intrusion Prevention System (IPS) , URL filtering , VPN support , Wall mountable , Web threat protection
- 2.3 8x5 tech support; 24x7 phone. Email and onsite support
- 2.4 Warranty and support: 1 year

3. SERVER

- 3.1 Form Factor - 1U Rack /2S
- 3.2 Processor - Intel Xeon E5-2620 v3 2.4GHz,15M Cache,8.00GT/s QPI, Turbo, HT, 6C/12T (85W) Max Mem
- 3.3 Memory / Max - 2 x 16GB RDIMM, 2133MT/s, Dual Rank, x8 Data Width (8/12 max DIMM slots)
- 3.4 HD Capacity - 2 x 500GB 10K RPM SAS 12Gbps 2.5in Hot-plug Hard Drive (max 8 HDD)
- 3.5 Optical - DVD+/-RW SATA Internal
- 3.6 RAID - PERC H730P Integrated RAID Controller, 2GB Cache
- 3.7 Onboard NICs - On-Board LOM 1GBE (Quad Port)
- 3.8 Power Supplies - Single, Hot-plug Power Supply (1+0), 550W
- 3.9 Static Rail - Ready Rails, Sliding Rails With Cable Management Arm
- 3.10 Keyboard - USB Keyboard
- 3.11 Mouse - USB Optical Mouse
- 3.12 Warranty - Three (3) years next Business Day On Site
- 3.13 OS - Windows Server 2012
- 3.14 Other Requirements - Two (2) KVA UPS

4. DESKTOP COMPUTER

- 4.1 Intel Core i7 7700 3.6GHz, 8MB Cache, 4 cores Kabylake 7th Gen
- 4.2 Intel B250 Express Chipset
- 4.3 4GB DDR4 2400 up to 32GB (8gb per Dimm)
- 4.4 1TB SATA3 HDD
- 4.5 16x DvD-Super multi drive
- 4.6 Intel HD Graphics 630
- 4.7 Integrated high-definition, 5.1-channel surround sound

- 4.8 LAN: Gigabit Ethernet
- 4.9 Uninterrupted Power Supply (650 VA)
- 4.10 Pre-loaded with
 - Operating System - Windows 10 SL 64-bit
 - Latest Licensed MS office (Word, Excel, Powerpoint)
 - Anti-Virus (Two (2) Years Subscription)

5. DESKTOP COMPUTER (ALL IN ONE)

- 5.1 Intel Pentium Processor J4205 (2M Cache, up to 2.6 GHz)
- 5.2 4GB DDR 3 1600
- 5.3 500GB HDD
- 5.4 Atleast19.5-inch Display
- 5.5 16x DvD-Super multi drive
- 5.6 Integrated Intel HD Graphics
- 5.7 LAN: Gigabit Ethernet
- 5.8 Uninterrupted Power Supply (650 VA)
- 5.9 Pre-loaded with
 - Operating System - Windows 10 SL 64-bit

6. MULTI-FUNCTION PRINTER

- 6.1 Function: Print, Scan, Copy
- 6.2 Memory Capacity: 64 MB
- 6.3 Scanner Resolution Up to 19200 x 19200 dpi (interpolated); Up to 1200 x 2400 dpi (optical)
- 6.4 Printer Resolution Up to 1200 x 6000 dpi
- 6.6 16 characters x 1 line LCD
- 6.7 Paper size: A4, Legal, Executive, Letter, JIS B5, A5, A6, Envelopes (Com-10, DL, C5, Monarch), Photo (10 x 15 cm), Photo 2L (13 x 18 cm) and Index Card (127 x 203 mm)
- 6.8 Maximum paper tray capacity: Approx. 100 sheets of 80 gsm plain paper
- 6.9 Paper Output Up to 50 sheets of 80 gsm plain paper Uses high yield inks LC539B and LC535CMY
- 6.10 Copy Resolution Prints up to 1200 x 2400 dpi
- 6.11 Wireless LAN IEEE 802.11b/g/n

VII. PROJECT TIMEFRAME

- The project shall be completed within a period of Forty-Five (45) days upon receipt of the Notice to Proceed.

VIII. OTHER REQUIREMENTS

A. WARRANTY AND AFTER-SALES SUPPORT

1. One (1) year on parts, labor
2. On-site support shall be provided for the delivered within twenty-four (24) hours from verbal/written notification by the END-USER AGENCY, with cut-off

time at 2:00 pm per working day. Verbal/ written notifications received after 2:00 pm will be addressed by suppliers the following working day.

3. Within the warranty period, machines that cannot be repaired within twenty-four (24) hours shall be immediately replaced with a service unit of similar specifications or better.
4. Provide service unit, which is equivalent to or higher than the defective unit, in case of pull-out, at no cost to the MARINA.

B. TRANSFER OF TECHNOLOGY

1. The bidder must provide a comprehensive training program to qualified staff/employee of the Maritime Industry Authority (MARINA) in installation, configuration, administration of all of the deliverables.
2. Appropriate manuals (e.g. Equipment, User, Operational Manuals...etc) shall be provided to each participant and written in a very simple manner that everybody can understand.
3. Training and Technology Transfer should be conducted before final project acceptance.

C. RESPONSIBILITY OF THE BIDDER

1. All installation and configuration must be done inside the MARINA premises. The bidder shall Format hard disk in the manner of 40% for the system disk and 60% data disk;

IX. TERMS OF PAYMENT

1. Payment shall be made within seven (7) working days upon issuance of Final Acceptance.