REQUEST FOR QUOTATION

The **NATIONAL LIBRARY OF THE PHILIPPINES** through its Bids and Awards Committee invites bidders / suppliers to bid for **Supply and Delivery of IT Supplies (48 Port Manage Switch Ports)**. Bidding will be through Line Item Bidding. Bids received in excess of the ABC shall be automatically rejected at bid opening.

Item Number	ITEM DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
1	**48Port Manage Switch Ports** **System specifications** I/O Ports and slots • 48 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) • 2 SFP+ fixed 1000/10000 SFP+ ports • 2 RJ-45 1/10GBASE-T ports Additional ports and slots • 1 RJ-45 console port • To access limited CLI port Memory and processor • 128MB flash • Packet buffer size: 1.5MB • 1GB SDRAM Mounting and enclosure • Mounts in an EIA standard 19-inch telco rack or equipment cabinet (Hardware included) Management • IMC - Intelligent Management Center • Limited command-line interface • Web browser • SNMP Manager • HTTPS • RMON1 • FTP • Supported by HPE IMC and generic SNMP management platforms. Refer to documentation for MIB support details **Performance specifications** 100Mb Latency: • < 5 µs 1000Mb Latency • < 5 µs 10 Gb/s Latency • < 1.5 µs Throughput • Up to 130.9 Mp/s (64-byte packets) Routing/Switching capacity	3	83,000	249,000.00

- 176 Gb/s

Routing table size
- 32 Entries (IPv4)
- 32 Entries (IPv6)

MAC Address table size
- 16384 Entries

Electrical specifications
Frequency
- 50/60 Hz

Voltage
- 100 - 240 V ac, rated

Maximum power rating
- 54 W

Environmental specifications
Operating temperature
- 0°C to 45°C (32°F to 113°F)

Operating relative humidity
- 10% to 90%, noncondensing

Nonoperating/Storage temperature
- -40°C to 70°C (-40°F to 158°F)

Nonoperating/Storage relative humidity
- 5% to 95%, Non condensing

Altitude
- Up to 5 km (16,404 ft)

Acoustic
- Low-speed fan: 38.4 dB
- High-speed fan: 47.0 dB
- ISO 7779 Dual speed fan

Safety certifications
Safety
- UL 60950
- IEC 60950-1
- EN 60950-1
- GB 4943.1

Emissions
- FCC part 15 Class A; VCCI Class A
- EN 55022 Class A
- CISPR 22 Class A
- EN 55024
- EN 61000-3-2 2000, 61000-3-3
- ICES-003 Class A

Standards and protocols
Device management

- RFC 2819 RMON

General protocols
- IEEE 802.1D MAC Bridges
- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1p Priority
- IEEE 802.1Q VLANs
- IEEE 802.1s Multiple Spanning Trees
- IEEE 802.1W Rapid Spanning Tree Protocol
- IEEE 802.1X
- IEEE 802.3 Type 10BASE-T
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3ad Link Aggregation Control Protocol (LACP)
- IEEE 802.3af Power over Ethernet
- IEEE 802.3at PoE+
- IEEE 802.3i 10BASE-T
- IEEE 802.3x Flow Control
- IEEE 802.3z 1000BASE-X

MIBs
- RFC 1213 MIB II
- RFC 1493 Bridge MIB
- RFC 2021 RMONv2 MIB
- RFC 2233 Interface MIB
- RFC 2233 Interfaces MIB
- RFC 2571 SNMP Framework MIB
- RFC 2572 SNMP-MPD MIB
- RFC 2573 SNMP-Notification MIB
- RFC 2573 SNMP-Target MIB
- RFC 2613 SMON MIB
- RFC 2618 RADIUS Client MIB
- RFC 2620 RADIUS Accounting MIB
- RFC 2665 Ethernet-Like-MIB
- RFC 2667 IP Tunnel MIB
- RFC 2668 802.3 MAU MIB
- RFC 2674 802.1p and IEEE 802.1Q Bridge MIB
- RFC 2737 Entity MIB (Version 2)
- RFC 3414 SNMP-User based-SM MIB
- RFC 3415 SNMP-View based-ACM MIB
- RFC 3418 MIB for SNMPv3

Network management
- IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
- IEEE 802.1D (STP)
- RFC 1215 SNMP Generic traps

QoS/Cos
- IEEE 802.1p (CoS)

Security
    IEEE 802.1X Port Based Network Access Control

| | | | | **TOTAL** | 249,000.00 |

Please quote your best offer.

Submit your quotation duly signed by you or your representative and of the following eligibility requirements not later than seven (7) days:

1. Latest Tax Clearance Certificate
2. PhilGEPS Certificate of Registration

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183 and subject to Commonwealth Act 138.

Contract/delivery schedule is within fifteen (15) days upon received of Notice to Proceed.

Liquidated damages equivalent to one tenth of one percent (0.001%) of the value of the goods not delivered within the prescribed delivery period shall be imposed per day of delay. National Library of the Philippines shall rescind the contract once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, without prejudice to other courses of action and remedies open to it.

For further information, please refer to:
RICA JANE SANTOS
RHODORA JULIAN
PHIL MARC JACINTO
BAC Secretariat
T.M. Kalaw St., Ermita, Manila
Tel. No. 336-7200 loc. 107/403/215

Sealed Bids must be delivered to the address above on or before **December 26, 2019, 5:00 pm.** Late bids shall not be accepted.

The NATIONAL LIBRARY OF THE PHILIPPINES reserves the right to accept or reject any bid, to annul the bidding process, and to reject all bids at any time prior to contract award, without thereby incurring any liability to the affected bidder or bidder

Sgd. ARLENE S. DE CASTRO
BAC Chairperson