NATIONAL POWER CORPORATION

PR NO. HO-IST24-020
SUPPLY, DELIVERY, INSTALLATION, CONFIGURATION, TESTING AND COMMISSIONING OF NETWORK INFRASTRUCTURE

ALTERNATIVE MODE OF PROCUREMENT (NEGOTIATED PROCUREMENT-EMERGENCY CASES)

National Power Corporation
NEGOTIATED PROCUREMENT
NP 2024-0030

1. The NATIONAL POWER CORPORATION (NPC), through its approved Corporate Budget of CY 2024 intends to apply the sum of **(Please see schedule below)** being the Approved Budget for the Contract (ABC) to payments under the contract. Bids received in excess of the ABC shall be automatically rejected at Bid opening.

PR Nos./PB Ref No. & Description	Pre-Nego Conference	Bid Submission / Opening	ABC
HO-IST24-020 / EC241204-RA00576 Supply, Delivery, Installation, Configuration, Testing and Commissioning of Network Infrastructure	03 December 2024 9:30 AM	04 December 2024 9:30 AM	₱ 14,000,000.00
Venue: Kañao Function Room, NPC Bldg. Diliman, Quezon City			

2. The NPC now invites Bids for Items listed above. Delivery of the items is required within **(see table below)** in the Technical Specifications in the Terms of Reference. Bidders should have completed from the date of submission and receipt of bids, a contract similar to the Project., must be at least equivalent to an amount as stated in the Terms of Reference.

PR Nos./PB Ref Nos.	Delivery Period / Contract Duration	Relevant Period of SLCC reckoned from the date of submission & receipt of bids
HO-IST24-020	Forty-Five (45) Calendar Days	-

3. Bidding will be conducted through Negotiated Procurement procedures using a non-discretionary "pass/fail" criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".

4. Interested bidders may obtain further information from BAC Secretariat at the address given below during office hours.

5. A complete set of TOR will be provided to the interested Bidders from the address below. It may also be downloaded from the website of National Power Corporation http://www.napocor.gov.ph,

6. NPC will hold a Pre-Negotiation Conference on the date, time and venue stated above. Interested bidder/s is/are allowed to join and participate in the Pre-Negotiation Conference at the Kañao Room or virtually. However, those attending virtually shall assume the risk of any internet connectivity issues. Further, interested bidders are hereby informed of the following:

    a. Only a maximum of two (2) representatives from each bidder / company shall be allowed to participate.
    b. Wearing of Face Masks is recommended but not required in view of Proclamation No. 297 S.2023 lifting the State of Public Health Emergency Throughout the Philippines
    c. The requirements herein stated including the medium of submission shall be subject to GPPB Resolution No. 09-2020 dated 07 May 2 020
    d. The Guidelines on the Implementation of Early Procurement Activities (EPA) shall be subject to GPPB Circular No. 06-2019 dated 17 July 2019

7. Bids must be delivered to the address below on the date stated above. Late bids shall not be accepted.

8. NPC reserves the right to accept or reject any bid, to annul the bidding process, and to reject all bids at any time prior to the contract award, without thereby incurring any liability to the affected bidder or bidders.

9. For further information, please refer to:

Bids and Contracts Services Division,
Logistics Department
Gabriel Y. Itchon Building
Senator Miriam P. Defensor-Santiago Ave. (formerly BIR Road)
Cor. Quezon Ave., Diliman, Quezon City, 1100
Tel Nos.: 8921-3541 local 5564/5713
Fax No.: 8922-1622
Email: bcsd@napocor.gov.ph

ATTY. MELCHOR P. RIDULME
Sr. Vice President & COO and
Chairman, Bids and Awards Committee

NATIONAL POWER CORPORATION

TERMS OF REFERENCES

PURCHASE REQUISITION NO. HO-IST24-020

SUPPLY, DELIVERY, INSTALLATION, CONFIGURATION, TESTING AND COMMISSIONING OF NETWORK INFRASTRUCTURE

I. BACKGROUND

The Locsin-designed Gabriel Y. Itchon Building, which had been the seat of NPC's corporate operations for several decades, exhibited noncompliance with the 2015 National Structural Code of the Philippines (NSCP) standards as structurally evaluated by experts.

Hence, for safety reasons, NPC Head Office-based personnel will be transferring to the newly leased office spaces located at the 16th and 17th floors of Eton Centris Cyberpod-3 while NPC considers the erection of an edifice that shall serve as the corporation's new home.

II. OBJECTIVE

This project aims to provide a reliable, stable and secure network infrastructure and services in the newly leased office location.

III. SCOPE OF WORKS

Supply, delivery, installation, configuration, testing, and commissioning of a reliable, stable, and secure network infrastructure.

IV. APPROVED BUDGET FOR THE CONTRACT

The Approved Budget for the Contract (ABC) is Fourteen Million Pesos (P 14,000,000.00), inclusive of all government taxes and charges.

V. DELIVERY PERIOD AND LOCATION

The delivery period shall be within FORTY FIVE (45) CALENDAR DAYS reckoned from receipt of Notice of Proceed. The delivery period shall include installation, configuration, testing and commissioning of the network components.

All network hardware and appurtenances will be delivered, installed, configured and tested at the 16th and 17th floors of Eton Centris Cyberpod-3, EDSA corner Quezon Avenue, Quezon City.

VI. BIDDER'S QUALIFICATIONS

A. The Supplier must be a Certified Partner of all the technology being proposed, specifically in the areas of Network for a minimum of five (5) years.
B. The Supplier shall provide a certification issued by the manufacturer, endorsing them as an authorized bidder and reseller of the proposed product.
C. The Supplier shall submit at least two (2) performance certifications from current or past clients, attesting to the satisfactory delivery of goods and/or services.
D. The assigned Project Manager for the project must hold a valid Certified Associate in Project Management (CAPM) certification and a Project Management Professional (PMP) certification.
E. The Supplier shall designate a Service Delivery Manager with a valid ITIL v4 certification.
F. The Supplier must have at least four (4) Network Technical Engineers with valid certifications such as Certified Internetwork Expert (CCIE).
G. The Supplier must hold a valid Professional Electronics Certificate Engineer (PECE) qualification and provide proof of this certification.
H. The Supplier must have a 24/7 Customer Service Representative (CSR) support system in place.

VII. DOCUMENTS TO BE SUBMITTED

The documents to be submitted are indicated below. The details are provided on Attachment "A" - Checklist of Documentary Requirements.

A. Eligibility Documents

1. Mayor's/Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas.

   In case of recently expired Mayor's/Business permits, it shall be accepted together with the official receipt as proof that the bidder has applied for renewal within the period prescribed by the concerned local government unit, provided, that the renewed permit shall be submitted as a post-qualification requirement in accordance with Section 34.2 of 2016 Revised IRR of RA 9184.

B. Technical Documents

1. To be submitted with the bid

   a. Completely filled-out Technical Data Sheets

b. Omnibus Sworn Statement in accordance with Section 25.2 of the 2016 Revised IRR of RA 9184 and using the form prescribed in Attachment "C", complete with the following attachments:
   - For Sole Proprietorship:
     Special Power of Attorney
   - For Partnership/Corporation/Cooperative/Joint Venture:
     Document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable) .

c. Certificate of Actual Site Inspection issued by the Manager, Information & Technology Services Department.

2. To be submitted before / during delivery of equipment
   a. "Certificate of Origin" from the Manufacturer
   b. "Warranty" Certificate against factory defects / workmanship – three (3) years for the network equipment and two (2) years for the uninterruptible power supplies.

C. Financial Documents

1. Price Proposal Letter (Attachment "D")
2. Price Proposal Form (Attachment "E")

VIII. SUBMISSION OF PROPOSAL

The Bidder shall submit their Proposal through their authorized representative using the appropriate Forms as provided herein on or before the deadline as specified in the Invitation to Price Proposal and in sealed envelopes addressed to the Chairman, Bids and Awards Committee, NPC.

Each bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said requests shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronics means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

IX. DEADLINE FOR SUBMISSION OF PROPOSAL

The Proposal shall be submitted at the date, time and venue as specified in the Invitation for Negotiated Procurement, Emergency Cases.

X. PRICE PROPOSAL

The Bidder shall complete the appropriate Price Proposal Form included herein, stating the unit price per item and the total amount.

Price Validity shall not be less than One Hundred Twenty ,(120) Calendar Days from the date of bid submission. Prices quoted by the Bidder shall be fixed during the Bidder's Performance of the contract and not subject to variation or price escalation on any account. A Price Proposal submitted with an adjustable price quotation shall be treated as nonresponsive and shall be rejected. All Price Proposals shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation.

XI. EVALUATION OF PRICE PROPOSALS

A. The NPC BAC will undertake the detailed evaluation of the Price Proposal submitted.

B. The NPC BAC shall consider the following in the evaluation of price proposal.

(a) Completeness. Price proposal not addressing or providing all of the required items in the Price Proposal Form, shall be considered non-responsive. In this regard, where a required item is provided, but no price is indicated, the same shall be considered as non-responsive, but specifying a "O" (zero) or a "-" (dash) for the said item would mean that it is being offered for free to NPC; and
(b) Arithmetical corrections. Consider computational errors and omissions to enable proper determination of total contract prices. Any adjustment shall be calculated in monetary terms to determine the calculated prices.

C. The NPC BAC's evaluation of price proposals shall only be based on the Price Proposal Letter which includes the Bid Price Proposal Form. Total Contract Prices which exceed the ABC shall not be considered.

D. Bidder's are required to include in their price proposals the cost of all taxes, such as, but not limited to, value added tax (VAT), income tax, local taxes, and other fiscal levies and duties.

XII. POST-QUALIFICATION

The NPC BAC shall determine to its satisfaction whether the Supplier complies with and is responsive to all the requirements and conditions of this TOR.

The Supplier shall submit the following documentary requirements for post-qualification:

A. Latest Income and Business Tax Returns and PhilGEPs Registration Certificate within the prescribed period.

B. Valid certifications of personnel employed by the bidder:
   1. Project Management Professional (PMP) certification.
   2. ITIL v4 certification of a Service Delivery Manager.
   3. Certified Internetwork Expert (CCIE) certifications of least four (4) Network Technical Engineers.

XIII. PERFORMANCE SECURITY

Upon issuance of the Notice of Award, the Supplier shall post the required performance security in any of the following forms:

Form	Amount, PhP
A. Cash, Manager's/Cashier's Check issued by a Universal or Commercial Bank.	5% of the Total Contract Price
B. Bank Draft/Guarantee or Irrevocable Letter of Credit issued by a Universal Bank or Commercial Bank; Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.	5% of the Total Contract Price
C. Surety Bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	30% of the Total Contract Price

The proceeds of the performance security shall be payable to NPC as compensation for any loss of revenue, damages, penalties or incidental expenses resulting from failure of the Supplier to perform its obligations under this Contract.

XIV. FORCE MAJEURE

A. The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of a Force Majeure.

B. For purposes of this Contract the terms "force majeure" and "fortuitous event" may be used interchangeably. In this regard, a fortuitous event or force majeure shall be interpreted to mean an event which the Contractor/Hauler could not have foreseen, or which though foreseen, was inevitable. It shall not include ordinary unfavorable weather conditions; and any other cause the effects of which could have been avoided with the exercise of reasonable diligence by the Contractor/Hauler. Such events may include, but not limited to, acts of the

Procuring Entity in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

C. If a force majeure situation arises, the Contractor/Hauler shall promptly notify the NPC in writing of such condition and the cause thereof. Unless otherwise directed by the NPC in writing, the Contractor/Hauler shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure.

XV. CONTRACT AMENDMENT

Subject to applicable laws, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

XVI. DELIVERABLES

Description	Quantity
A. Core Switch	2 Units
B. Server Farm Switch	2 Units
C. Access Switch	10 Units
D. Patch Cables, CAT5e, 2 Meters	550 Pieces
E. Patch Cables, CAT6, 2 Meters	50 Pieces
F. Fiber Optic Cables	1 Lot
G. Uninterruptible Power Supply	2 Units

XVII. TECHNICAL SPECIFICATIONS (Minimum)

NPC require state-of-the-art technology from the Service Provider with due consideration to scalability openness, and interoperability, a high degree of performance, maintainability, and cost-effectiveness.

The Supplier shall include additional components required to make the system operable, although not specifically detailed in this specification.

The work herein described shall be fully completed in every detail for the function designated and its hereby required that the Supplier in accepting the contract, agrees to furnish all apparatus, materials and labor not herein specifically mentioned or included to furnish but which may found necessary to complete, perfect or test any portion of the network or function.

The proposed network infrastructure must provide seamless integration with the existing network equipment.

A. CORE SWITCH

1. General Features:
    a. Switch should have 24 nos. 1G copper ports and additional 8 nos. 10G SFP+ uplink ports.
    b. Shall come with 8 nos. 10GBASE-SR SFP Modules per switch.
    c. Switch should have redundant power supplies.
    d. Switch must support MACSec-256 natively on all ports.
    e. Switch must have embedded RFID tag which facilitates easy asset/inventory management using commercial RFID readers.
    f. Shall be in a stacked configuration for high availability.
2. Performance:
    a. Switch shall have minimum 208 Gbps of switching fabric and 154.76 Mpps of forwarding rate.
    b. Switch shall have minimum 32K MAC Addresses and 4K VLAN IDs.
    c. Switch shall have minimum 32K IPv4 routes or more and 16K IPv6 routes or more.
    d. Switch shall have minimum 8K or more multicast routes.
    e. Switch should support at least 64K flow entries.
    f. Switch should have 16MB or more packet buffer.
3. Functionality:
    a. Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z & 1588v2.
    b. Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features.
    c. Switch must have advance Layer 3 protocol like BGPv4, BGPv6 , MPLS, VRF, VXLAN, IS-ISv4, OSPFv3, MP-BGP.
    d. Switch shall have 802.1p class of service, marking, classification, policing and shaping and eight egress queues.
    e. Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+.
    f. Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.
    g. Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware.
    h. Switch must support two levels of segmentation.
    i. Switch must support ability to automate on group-based policy in hardware.
    j. The switch must support a maintenance mode to be gracefully inserted and removed along with support of L2 and L3 protocols.
    k. Switch must Hierarchical Quality of Service (QoS).
    l. Switch must support for both static and dynamic NAT/PAT.

m. Switch must support Unidirectional Link Detection (UDLD).
n. Switch must support traditional VPN tunneling such as GRE.
o. Switch must support Multicast VPNs (MVPNs) on an existing MPLS VPN.
p. Switch should support traditional NAT.
q. Switch must support MPLS over GRE.
r. Switch must support L2 and L3 MPLS VPNs.
s. Switch must support BGP EVPN for campus fabric deployments.
t. Must support LISP for campus fabric deployments.
u. Switch must be able detect stateful deep packet inspection (DPI) to classify more than 1400 applications.
v. Switch must Support Full NetFlow based Behavior Analytics.
w. Must support Model-Driven Telemetry Event Notification Support over the NETCONF protocol.
x. Must support RESTCONF YANG-Patch Support for YANG-Patch media type as specified by RFC 8072.
y. Must support on-box Python Version 3.6 and Guest Shell capabilities.
z. Must support customizable ASIC templates.
aa. Switch must support IEEE 1588v2 to provide accurate clock synchronization with sub-microsecond accuracy.
bb. Must have adaptable or flexible and dense uplink offerings with 25G, 40G, 100G, Multigigabit, 1G, and 10G modular uplinks.
cc. Must have the capability to do cloud management and monitoring that provides the ability to manage or view the switch statistics, configuration, and troubleshooting capabilities in the dashboard.
dd. Must be able to support end-to-end visualization of the path from campus or branch to clouds or DC through license upgrade subscription.
ee. Must support service assurance that ensures an exceptional network and service experience for users, employees, and partners, leveraging advanced observability from the network to applications.

4. Certification:
   a. The switch should be CE Marking, UL 60950, EN 60950, ROHS5, TCVN 7189 Class A and CISPR 32 Class A.
   b. OEM should be listed in Gartner Leader Quadrant for Wired and Wireless LAN Infrastructure from last 3 years before this TOR.
5. Warranty: Three (3) years.

B. SERVER FARM SWITCH

1. General Features:

a. Switch shall have 24 nos. 1G copper ports and additional 4 nos. 10G SFP+ uplinks ports.
b. Shall come with 2 nos. 10GBASE-SR SFP Modules per switch.
a. Switch should have redundant fans.
b. Switch should have minimum 4 GB DRAM and 4 GB flash.
c. Switch must support MACSec-128 on both access and uplink ports.
d. Switch must have embedded RFID tag which facilitates easy asset/inventory management using commercial RFID readers.
e. Switch must support RJ-45 console for management.
f. Shall be in a stacked configuration for high availability.

2. Performance:
   a. Switch shall have minimum 128 Gbps of switching fabric and 95.23 Mpps of forwarding rate.
   b. Switch shall have minimum 32K MAC Addresses and 4K VLAN IDs.
   c. Should support minimum 14K IPv4 routes or more and 2K IPv6 routes or more
   d. Switch shall have 1K or more multicast routes.
   e. Switch should support at least 16K flow entries
   f. Switch should have 6MB or more packet buffer.
3. Functionality:
   a. Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z & 1588v2.
   b. Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day 1.
   c. Switch shall have 802.1p class of service, marking, classification, policing and shaping and eight egress queues.
   d. Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+.
   e. Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.
   f. Switch must have the capabilities to enable automatic configuration of switch ports as devices connect to the switch for the device type.
   g. During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.
   h. Switch must support cold patching.
   i. Switch must provide secure software delivery and boot.
   j. Switch must secure run-time and secure network protocols.
   k. Switch must support push-based, streaming telemetry to send operational data to an external collector.

l. Switch must support application visibility for custom applications.
m. Switch must support Full Application flow analysis and export.
n. Must support replaceable network modules provide infrastructure investment protection by allowing a nondisruptive migration from 1G to 10G and beyond.
o. The Solution must provide turnkey solutions like Plug and Play and Pre boot Execution Environment, enabling seamless/effortless and automated deployment.
p. Supports a wide range of automation features and provides robust open APIs.
q. Must support Software Define Access and Assurance for full network visibility, End-to-End experience, quick network remediation and quick issue resolution.
r. Must support on-premise management or cloud monitoring.

4. Certification:
   a. Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.
   b. Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.
   c. OEM should be listed in Gartner Leader Quadrant for Wired and Wireless LAN Infrastructure from last 3 years before this TOR.
5. Warranty: Three (3) years.

C. ACCESS SWITCH

1. General Features:
   a. Switch shall have 48 nos. full PoE+ 1G copper ports and additional 4 nos. 10G SFP+ uplinks ports.
   b. Shall come with 2 nos. 10GBASE-SR SFP Modules per switch.
   c. Switch should have redundant fans.
   d. Switch should have minimum 4 GB DRAM and 4 GB flash.
   e. Switch shall have a minimum 370 W PoE power budget.
   f. Switch must support MACSec-128 on both access and uplink ports.
   g. Switch must have embedded RFID tag which facilitates easy asset/inventory management using commercial RFID readers.
   h. Switch must support RJ-45 console for management.
2. Performance:
   a. Switch shall have minimum 176 Gbps of switching fabric and 130.95 Mpps of forwarding rate.
   b. Switch shall have minimum 32K MAC Addresses and 4K VLAN IDs.
   c. Should support minimum 14K IPv4 routes or more and 2K IPv6 routes or more.

d. Switch shall have 1K or more multicast routes.
e. Switch should support at least 16K flow entries
f. Switch should have 6MB or more packet buffer.

3. Functionality:
   a. Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z & 1588v2.
   b. Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features.
   c. Switch shall have 802.1p class of service, marking, classification, policing and shaping and eight egress queues.
   d. Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+.
   e. Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.
   f. Switch must have the capabilities to enable automatic configuration of switch ports as devices connect to the switch for the device type.
   g. During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.
   h. Switch must support cold patching.
   i. Switch must provide secure software delivery and boot.
   j. Switch must secure run-time and secure network protocols.
   k. Switch must support push-based, streaming telemetry to send operational data to an external collector.
   l. Switch must support application visibility for custom applications.
   m. Switch must support Full Application flow analysis and export.
   n. Must support replaceable network modules provide infrastructure investment protection by allowing a nondisruptive migration from 1G to 10G and beyond.
   o. The Solution must provide turnkey solutions like Plug and Play and Pre boot Execution Environment, enabling seamless/effortless and automated deployment.
   p. Supports a wide range of automation features and provides robust open APIs.
   q. Must support Software Define Access and Assurance for full network visibility, end-to-end experience, quick network remediation and quick issue resolution.
   r. Must support on-premise management or cloud monitoring.

4. Certification:

a. Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.
b. Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.
c. OEM should be listed in Gartner Leader Quadrant for Wired and Wireless LAN Infrastructure from last 3 years before this TOR.

5. Warranty: Three (3) years.

D. PATCH CABLES, Cat5e, 2 Meters

E. PATCH CABLES, Cat6, 2 Meters

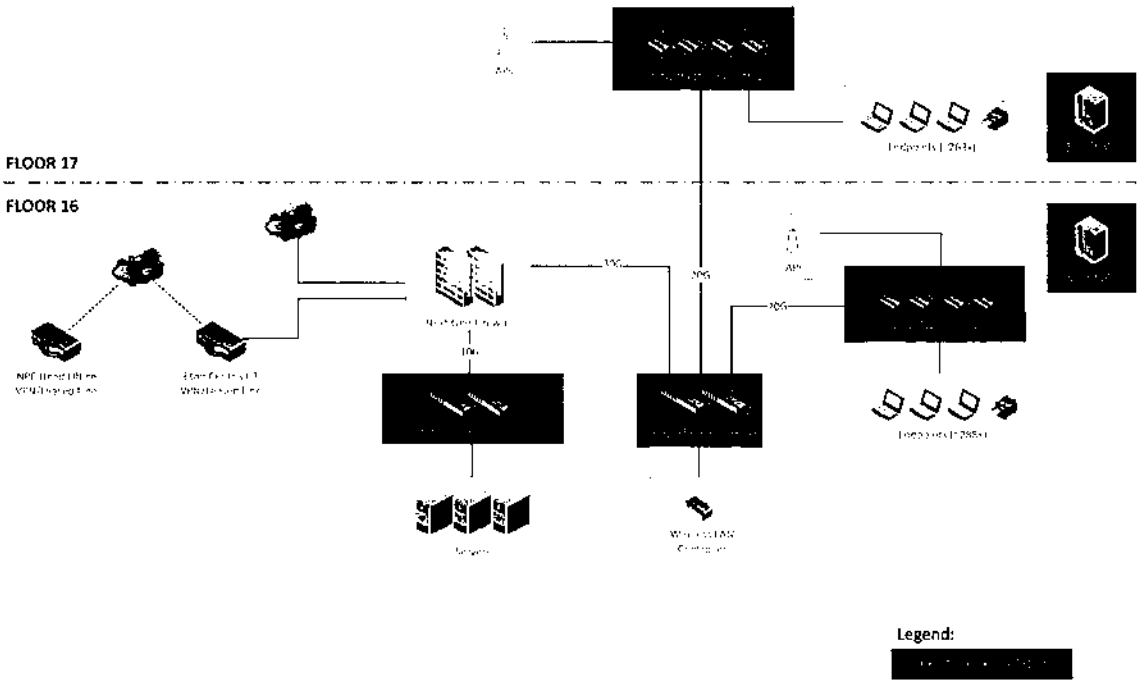
F. FIBER OPTIC CABLES

Various lengths (based on On-Site inspection measurements of distance between connections of network components)

G. UNINTERRUPTIBLE POWER SUPPLIES

1. Input: 160 to 280V AC, 40 to70 Hz
2. Rated output power: 10000 W/VA, 50/60 Hz
3. Output voltage: 230 V
4. Type: Double Conversion online
5. Output connector type: Hard wire 3-wire (H N + E) 1
6. Bypass type: Internal bypass (automatic and manual)
7. Efficiency: At least 94% at full load
8. Conformance: CE, IEC 62040-1-1, IEC 62040-1-2, RoHS, REACh
9. Battery type: Lead-acid battery
10. Battery recharge time: 3 h
11. Battery charger power: At least 531 W rated
12. Control panel: Multifunction LCD status and control console
13. Alarm: When on battery, low battery, overload
14. Warranty: Two (2) years

XVIII. NETWORK DIAGRAM



PROPOSED NETWORK LAYOUT
ETON CENTRIS CYBERPOD 3

XIX. DETAILED SCOPE OF WORKS

A. The Supplier shall supply, deliver, install, test, and commission all brand-new equipment and shall secure all necessary permits, licenses, and clearances, including payment of any fees, required for the successful execution of the Project.
B. Configuration of the existing firewall in accordance with the policies provided by the NPC Security Administrator and configuration of the connection with the former NPC-HO firewall either through VPN or dedicate leased line connection.
C. Configuration of the core switches and server farm switches in accordance with the policies provided by the NPC Network Administrator.
D. Installation and configuration of access switches in both floors of the office building.
E. Interconnection of all network active components including firewalls, core switches, server farm switches and access switches.
F. Fiber optic connection of the core switches in the 16th floor with the access switches in the 17th floor.
G. Installation, configuration and performance testing of the uninterruptible power supplies.

H. Commissioning and performance testing of the local area network and connectivity to the former NPC-HO Data Center.

XX. TERMS OF PAYMENT

NPC shall pay the SUPPLIER within thirty (30) days from receipt of complete supporting documents as required by NPC. Checks will be prepared for payment to the SUPPLIER subject to existing taxes.

XXI. TRAINING

The Service Provider shall provide an onsite Training and Knowledge Transfer to SEVEN (7) NPC PERSONNEL in the operation, configuration, and maintenance of all the installed equipment.

XXII. TECHNICAL SUPPORT

- 24 hours x 7 calendar days phone and email support.
- Four (4) hours on-site support response time upon receipt of incident call.

XXIII. ACCEPTANCE

A certificate of acceptance shall be issued by the Manager, Information and Technology Services Department (ITSD) after the satisfactory completion of the scope of work and compliance to all the requirements.

ATTACHMENT "A"

TERMS OF REFERENCE
PR. NO. HO-IST24-020
Supply, Delivery, Installation, Configuration, Testing and Commissioning of Network Infrastructure

CHECKLIST OF DOCUMENTARY REQUIREMENTS

1.) **Eligibility** (1st Envelope)
2.) **Technical** (1st Envelope); and
3.) **Financial** (2nd Envelope)

I. **Eligibility Documents** (First Envelope)

Legal Documents

(i) Valid and current Mayor's permit issued by the city or municipality where the principal place of business of the prospective bidder is located. In case of recently expired Mayor's/Business Permit it shall be accepted together with the official receipt as proof that the bidder has applied for renewal within the period prescribed by the concerned local government unit, provided, that the renewed permit shall be submitted as a post-qualification requirement in accordance with Section 34.2 of 2016 Revised IRR of R.A. 9184;

II. **Technical Documents** (First Envelope)

(i) Completely filled-out Technical Data Sheets. (Attachment "B")

(ii) Omnibus Sworn Statement in accordance with Section 25.2 of the 2016 Revised IRR of RA 9184 and using the form prescribed in Attachment "C", complete with the following attachments:

- For Sole Proprietorship:

  Special Power of Attorney

- For Partnership/Corporation/Cooperative/Joint Venture:

  Document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)

III. **Financial Documents** (Second Envelope)

(i) Price Proposal Letter (Attachment "D")
(ii) Price Proposal Form (Attachment "E")

TECHNICAL DATA SHEETS

TABLE OF CONTENTS

TECHNICAL DATA SHEETS

SUPPLY, DELIVERY, INSTALLATION, CONFIGURATION, TESTING AND COMMISSIONING OF NETWORK INFRASTRUCTURE

1. The Bidder shall complete this technical data sheet and submit the filled-up form with the technical proposal. The Bidder shall use continuation sheets as necessary for any other additional information keeping to the format shown herein or by reproducing the same.

2. NPC reserves the right to reject Bids without proper and/or specific data and information as required herein.

3. The data required are technical features and characteristics of the Equipment/ Component/ Parts to be provided by the bidder. Bidder's proposal shall at least be equal or superior to the requirements specified by NPC.

1.0 DESCRIPTION / SPECIFICATIONS (Minimum)

ITEM	NPC REQUIREMENTS			SUPPLIER'S DATA
	DESCRIPTION / SPECIFICATIONS	QTY.		
1	CORE SWITCH	2	UNITS	
	1. General Features: a. Switch should have 24 nos. 1G copper ports and additional 8 nos. 10G SFP+ uplink ports. b. Shall come with 8 nos. 10GBASE-SR SFP Modules per switch. c. Switch should have redundant power supplies. d. Switch must support MACSec-256 natively on all ports. e. Switch must have embedded RFID tag which facilitates easy asset/inventory management using commercial RFID readers. f. Shall be in a stacked configuration for high availability. 2. Performance: a. Switch shall have minimum 208 Gbps of switching fabric and 154.76 Mpps of forwarding rate. b. Switch shall have minimum 32K MAC Addresses and 4K VLAN IDs.			

	c. Switch shall have minimum 32K IPv4 routes or more and 16K IPv6 routes or more. d. Switch shall have minimum 8K or more multicast routes. e. Switch should support at least 64K flow entries. f. Switch should have 16MB or more packet buffer. 3. Functionality: a. Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z & 1588v2. b. Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features. c. Switch must have advance Layer 3 protocol like BGPv4, BGPv6 , MPLS, VRF, VXLAN, IS-ISv4, OSPFv3, MP-BGP. d. Switch shall have 802.1p class of service, marking, classification, policing and shaping and eight egress queues. e. Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+. f. Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard. g. Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware. h. Switch must support two levels of segmentation. i. Switch must support ability to automate on group-based policy in hardware. j. The switch must support a maintenance mode to be gracefully inserted and removed along with support of L2 and L3 protocols. k. Switch must Hierarchical Quality of Service (QoS). l. Switch must support for both static and dynamic NAT/PAT. m. Switch must support Unidirectional Link Detection (UDLD). n. Switch must support traditional VPN tunneling such as GRE. o. Switch must support Multicast VPNs (MVPNs) on an existing MPLS VPN. p. Switch should support traditional NAT. q. Switch must support MPLS over GRE. r. Switch must support L2 and L3 MPLS VPNs. s. Switch must support BGP EVPN for campus fabric deployments.			

	t. Must support LISP for campus fabric deployments. u. Switch must be able detect stateful deep packet inspection (DPI) to classify more than 1400 applications. v. Switch must Support Full NetFlow based Behavior Analytics. w. Must support Model-Driven Telemetry Event Notification Support over the NETCONF protocol. x. Must support RESTCONF YANG-Patch Support for YANG-Patch media type as specified by RFC 8072. y. Must support on-box Python Version 3.6 and Guest Shell capabilities. z. Must support customizable ASIC templates. aa. Switch must support IEEE 1588v2 to provide accurate clock synchronization with sub-microsecond accuracy. bb. Must have adaptable or flexible and dense uplink offerings with 25G, 40G, 100G, Multigigabit, 1G, and 10G modular uplinks. cc. Must have the capability to do cloud management and monitoring that provides the ability to manage or view the switch statistics, configuration, and troubleshooting capabilities in the dashboard. dd. Must be able to support end-to-end visualization of the path from campus or branch to clouds or DC through license upgrade subscription. ee. Must support service assurance that ensures an exceptional network and service experience for users, employees, and partners, leveraging advanced observability from the network to applications. 4. Certification: a. The switch should be CE Marking, UL 60950, EN 60950, ROHS5, TCVN 7189 Class A and CISPR 32 Class A. b. OEM should be listed in Gartner Leader Quadrant for Wired and Wireless LAN Infrastructure from last 3 years before this TOR. 5. Warranty: Three (3) years.			
2	SERVER FARM SWITCH	2	UNITS	
	1. General Features: a. Switch shall have 24 nos. 1G copper ports and additional 4 nos. 10G SFP+ uplinks ports. b. Shall come with 2 nos. 10GBASE-SR SFP Modules per switch. a. Switch should have redundant fans.			

	b. Switch should have minimum 4 GB DRAM and 4 GB flash. c. Switch must support MACSec-128 on both access and uplink ports. d. Switch must have embedded RFID tag which facilitates easy asset/inventory management using commercial RFID readers. e. Switch must support RJ-45 console for management. f. Shall be in a stacked configuration for high availability. 2. Performance: a. Switch shall have minimum 128 Gbps of switching fabric and 95.23 Mpps of forwarding rate. b. Switch shall have minimum 32K MAC Addresses and 4K VLAN IDs. c. Should support minimum 14K IPv4 routes or more and 2K IPv6 routes or more d. Switch shall have 1K or more multicast routes. e. Switch should support at least 16K flow entries f. Switch should have 6MB or more packet buffer. 3. Functionality: a. Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z & 1588v2. b. Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day 1. c. Switch shall have 802.1p class of service, marking, classification, policing and shaping and eight egress queues. d. Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+. e. Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard. f. Switch must have the capabilities to enable automatic configuration of switch ports as devices connect to the switch for the device type. g. During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.			

	h. Switch must support cold patching. i. Switch must provide secure software delivery and boot. j. Switch must secure run-time and secure network protocols. k. Switch must support push-based, streaming telemetry to send operational data to an external collector. l. Switch must support application visibility for custom applications. m. Switch must support Full Application flow analysis and export. n. Must support replaceable network modules provide infrastructure investment protection by allowing a nondisruptive migration from 1G to 10G and beyond. o. The Solution must provide turnkey solutions like Plug and Play and Pre boot Execution Environment, enabling seamless/effortless and automated deployment. p. Supports a wide range of automation features and provides robust open APIs. q. Must support Software Define Access and Assurance for full network visibility, End-to-End experience, quick network remediation and quick issue resolution. r. Must support on-premise management or cloud monitoring. 4. Certification: a. Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment. b. Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements. c. OEM should be listed in Gartner Leader Quadrant for Wired and Wireless LAN Infrastructure from last 3 years before this TOR. 5. Warranty: Three (3) years.			
3	ACCESS SWITCH	10	UNITS	
	1. General Features: a. Switch shall have 48 nos. full PoE+ 1G copper ports and additional 4 nos. 10G SFP+ uplinks ports. b. Shall come with 2 nos. 10GBASE-SR SFP Modules per switch. c. Switch should have redundant fans.			

	d. Switch should have minimum 4 GB DRAM and 4 GB flash. e. Switch shall have a minimum 370 W PoE power budget. f. Switch must support MACSec-128 on both access and uplink ports. g. Switch must have embedded RFID tag which facilitates easy asset/inventory management using commercial RFID readers. h. Switch must support RJ-45 console for management. 2. Performance: a. Switch shall have minimum 176 Gbps of switching fabric and 130.95 Mpps of forwarding rate. b. Switch shall have minimum 32K MAC Addresses and 4K VLAN IDs. c. Should support minimum 14K IPv4 routes or more and 2K IPv6 routes or more. d. Switch shall have 1K or more multicast routes. e. Switch should support at least 16K flow entries f. Switch should have 6MB or more packet buffer. 3. Functionality: a. Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z & 1588v2. b. Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features. c. Switch shall have 802.1p class of service, marking, classification, policing and shaping and eight egress queues. d. Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+. e. Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard. f. Switch must have the capabilities to enable automatic configuration of switch ports as devices connect to the switch for the device type. g. During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.			

	h. Switch must support cold patching. i. Switch must provide secure software delivery and boot. j. Switch must secure run-time and secure network protocols. k. Switch must support push-based, streaming telemetry to send operational data to an external collector. l. Switch must support application visibility for custom applications. m. Switch must support Full Application flow analysis and export. n. Must support replaceable network modules provide infrastructure investment protection by allowing a nondisruptive migration from 1G to 10G and beyond. o. The Solution must provide turnkey solutions like Plug and Play and Pre boot Execution Environment, enabling seamless/effortless and automated deployment. p. Supports a wide range of automation features and provides robust open APIs. q. Must support Software Define Access and Assurance for full network visibility, end-to-end experience, quick network remediation and quick issue resolution. r. Must support on-premise management or cloud monitoring. 4. Certification: a. Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment. b. Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements. c. OEM should be listed in Gartner Leader Quadrant for Wired and Wireless LAN Infrastructure from last 3 years before this TOR. 5. Warranty: Three (3) years.			
4	PATCH CABLES, Cat5e, 1.5 Meters	500	PCS	
5	PATCH CABLES, Cat6, 2 Meters	50	PCS	
6	FIBER OPTIC CABLES	1	LOT	
7	UNINTERRUPTIBLE POWER SUPPLIES	2	UNITS	
	1. Input: 160 to 280V AC, 40 to70 Hz 2. Rated output power: 10000 W/VA, 50/60 Hz 3. Output voltage: 230 V 4. Type: Double Conversion online			

	5. Output connector type: Hard wire 3-wire (H N + E) 1 6. Bypass type: Internal bypass (automatic and manual) 7. Efficiency: At least 94% at full load 8. Conformance: CE, IEC 62040-1-1, IEC 62040-1-2, RoHS, REACh 9. Battery type: Lead-acid battery 10. Battery recharge time: 3 h 11. Battery charger power: At least 531 W rated 12. Control panel: Multifunction LCD status and control console 13. Alarm: When on battery, low battery, overload 14. Warranty: Two (2) years			

Name of Bidder	Name and Signature of Authorized Representative	Signature

ATTACHMENT "C"

TERMS OF REFERENCE
PR. NO. HO-IST24-020
Supply, Delivery, Installation, Configuration, Testing and Commissioning of Network Infrastructure

Omnibus Sworn Statement (Revised)

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

   [If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

   [If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

   [If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

   [If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

   [If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;

   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;

   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and

   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Price Proposal Letter

Date: _____

To: NATIONAL POWER CORPORATION
Sen. Miriam P. Defensor-Santiago Ave.
(formerly BIR Road) Cor. Quezon Ave.
Diliman, Quezon City

Gentlemen:

Having examined the Terms of Reference for this requirement, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide *[description of Supply]* in conformity with the said Terms of Reference for the sum of *[total Bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Price Proposal Form attached herewith and made part of this Proposal.

We undertake, if our proposal is accepted, to supply and deliver of emergency spare parts in accordance with the delivery schedule specified in Terms of Reference.

If our proposal is accepted, we undertake to provide a performance security in the form, amounts, and within the terms specified in the Terms of Reference.

We agree to abide by this Proposal and it shall remain binding upon us up to the full term of the contract. Until a formal Contract is prepared and executed, this Proposal, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the any Proposal you may receive.

Dated this ___day of _____ 202_____.

_____ _____
[signature] *[in the capacity of]*

Duly authorized to sign the Proposal for and on behalf of _____

SUPPLY, DELIVERY, INSTALLATION, CONFIGURATION, TESTING AND COMMISSIONING OF NETWORK INFRASTRUCTURE
PR. NO. HO-IST24-020

PRICE PROPOSAL FORM

ITEM NO.	DESCRIPTION	QTY.- UNIT	* CODE	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED					TOTAL PRICE
				Unit Price of Goods Delivered up to Philippine Port +(Phil. Peso)	Import Duties & other Levies Imposed by Phil. Govt. (Phil. Peso)	Value Added Tax and other Taxes Imposed by Phil. Govt. (Phil. Peso)	Local Transport from Port to Delivery Site <(Phil. Peso)	Total Unit Price (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) (J = I x C)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
1	Supply, delivery, installation, configuration, testing and commissioning of network infrastructure	1 Lot							
TOTAL		_____ (Amount in Words)							P _____

* Bidders shall enter a code representing the Country of Origin of all imported equipment, materials and accessories

\+ Cost of equipment, freight, insurance, etc. up to Phil. port of entry

< Unit Price for Local Transportation, insurance and other local costs incidental to delivery of the goods from the Phil port of entry to final delivery site

Code		Country of Origin

Note: Final delivery site of the equipment shall be at:
Eton Centris Cyberpod-3, EDSA corner Quezon Ave., Quezon City

Name of Bidder: _____

Signature of Bidder: _____