



Information Technology Services Group

Supply and Delivery of Network Routers
(2021 Procurement)

TECHNICAL SPECIFICATIONS

March 2021

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APPROVAL PAGE

Supply and Delivery of Network Routers

Technical Specifications

Information Technology Services Group

Prepared by:

Richard M. Ilustrisimo

IT Staff Officer I, NWD

Reviewed by:

Robert B. Bautista

IT Officer I, NWD

Bobby M. Macabeo

Officer-in-Charge, NWD

Approved by:

(email approved 3/19/2021)

Marlon Eusebio L. Mendoza

Vice President, IT Infrastructure Office

Juan Philip S. Evangelista

Chief Information Officer, ITSG

A. PROJECT TITLE

Supply and Delivery of Network Routers

B. APPROVED BUDGET

- Approved Budget : Php980,735.00
- Fund Center : 900100002
Office of the Chief Information
Officer
- GL Account : 1230711000
IT Resource-Hardware

C. JUSTIFICATION AND BENEFITS

c.1 JUSTIFICATION

Since January 2020, Network routers being used in GSIS Branch office were not included in maintenance contract due to the following reasons:

- Minimal reported issues related to software and hardware.
- Reduce operational cost.

To ensure network availability, ITSG intends to procure spare network routers to enable GSIS to immediately restore network in case of any hardware issue.

c.2 BENEFITS

The procurement of network routers will ensure available replacement units in case of breakdown of the existing equipment safeguarding the availability of network connectivity in the affected site.

D. PROJECT SCOPE

The winning bidder must:

- Supply and deliver three (3) units of network routers to GSIS Head Office.
- Provide one (1) year standard warranty and maintenance from the date of the acceptance of the project.

E. TECHNICAL SPECIFICATIONS

Instruction to Bidders: Bidders must state in the column “Statement of Compliance” either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii).

Item	Specification	Statement of Compliance
E.1 DETAILED SPECIFICATIONS OF THE ITEMS TO BE PROCURED		
Physical	<ul style="list-style-type: none"> • 4 Gigabit Ethernet (10/100/1000) fixed RJ-45 ports. Gigabit Ethernet interfaces should be routed ports • 2 Serials ports with 2 Pieces V35 cables 	
Functionality	<ul style="list-style-type: none"> • Multi-service highly modular platforms and rack mountable • Minimum 1 GB DRAM per slot and must be upgradable • Minimum 1 GB Compact Flash 	
Features	<ul style="list-style-type: none"> • Must support Module Online Insertion and Removal (OIR) or equivalent • With Embedded Hardware-Based Cryptography Acceleration (IPSec + SSL) 	

Item	Specification	Statement of Compliance
	<ul style="list-style-type: none"> • Enables deployment in high speed WAN environments with concurrent services enabled up to 35 Mbps – computation/ basis • Must support DHCP server configuration • Must support Layer 3 routing protocols such as Static, Basic and Advanced Open Shortest Path First (OSPF), etc. • Must support 802.1Q protocol through routed physical interface • Must support Policy-Based Routing (IPv4 and IPv6) • Must support Hot-Standby Router Protocol (HSRP) and Virtual Router Redundancy Protocol (VRRP) or equivalent • Must support Quality of Service (QoS) • Simple Network Management Protocol (SNMP) version 1,2c, and 3 • Syslog • Platform allow user connectivity via Secure Shell (SSH) • User authentication <ul style="list-style-type: none"> ➤ Local and remote authentications to control access ➤ At least ten (10) user credentials for console and remote access ➤ Multilevel security on console and remote access • IPv6 Compliance • Support IPv6 routing protocols: Static and OSPFv3 • Must support Authentication, authorization and accounting (AAA) protocols such as TACACS+ and RADIUS • Must support existing TACACS+ being used by GSIS • Must support existing Network Access Control (Forescout CounterAct) being used by GSIS • Must support Generic Routing Encapsulation (GRE) tunneling/GRE over IPSEC • Must support Access Control List (ACL) 	

Item	Specification	Statement of Compliance
	<ul style="list-style-type: none"> • Must support Network Time Protocol (NTP) • Must be compatible with existing network routers being used by GSIS 	
Compliance	Must be one of the Leaders or Challengers in the latest Gartner Magic Quadrant for WAN Edge Infrastructure (Routing)	
E.2 MANPOWER REQUIREMENT		
	The bidder must have a qualified and experienced personnel specialized in the equipment to provide technical support during the period warranty.	
E.3 WARRANTY AND AFTER-SALES REQUIREMENTS		
1	The product warranty shall be one (1) year and will only commence upon complete acceptance of the project.	
2	In order to assure that manufacturing defects / hidden defects shall be corrected by the Supplier, a warranty shall be required from the Supplier for a period of one (1) year. The obligation for the warranty shall be covered by, at the Supplier's option, either retention money or a special bank guarantee in an amount equivalent to five (5) percent of the total contract price. The said amounts shall only be released after the lapse of the warranty period.	
3	The network routers may be deployed by GSIS to any of its Branch Offices. If the equipment needs repair after deployment, it shall be resolved by the Supplier at the site where the unit is deployed following the response or resolution time indicated in Support Service Requirements.	
4	<ul style="list-style-type: none"> • Unlimited corrective maintenance/repair activity (if applicable). Must meet the following conditions: <ul style="list-style-type: none"> ➤ Eight (8) hours by five (5) days support during the contract duration 	

Item	Specification	Statement of Compliance
	<ul style="list-style-type: none"> ➤ One (1) hour response time for phone support ➤ For onsite support, the winning bidder must attend to and repair the defective unit within two (2) business days in GSIS Home Office; five (5) business days for Branch Offices and Iba Extension Office; and seven (7) business days for other Extension Offices (see Annex - List of GSIS Offices) ➤ If the hardware cannot be repaired onsite due to extraordinary hardware difficulties and needs to be pulled-out, the Winning bidder must provide a service or replacement unit. If service unit is provided, pulled-out hardware must be repaired, delivered, installed, tested and certified for production within thirty (30) calendar days ➤ Onsite assistance on activities that will affect the equipment during the contract period, such as but not limited to, power maintenance and transfer of equipment within the building <ul style="list-style-type: none"> • Immediate replacement of the device and/or its parts free of charge if found defective in material or workmanship under normal and proper use • Submission of service report within five (5) calendar days after rendering service 	
5	<p>Support to software shall include but not limited to the following:</p> <ul style="list-style-type: none"> • Access to knowledge-based portal (if applicable) • Provide pro-active advisories on patch/firmware upgrade (e.g. bugs, fixes, security updates and capability improvements) • Provide patches, bugs fixes, security fix and software updates 	

Item	Specification	Statement of Compliance
	<ul style="list-style-type: none"> Support for patch/version/firmware upgrade activity including but not limited to installation and configuration 	
6	Product life validity must be at least five (5) years from the date of acceptance of the project.	
E.4 REQUIRED STANDARDS		
	<ul style="list-style-type: none"> The bidder/vendor must be of good standing and has satisfactory performance with respect to its latest completed project with GSIS. (Note: This is applicable only to the prospective bidder with previous project/s or contract/s with the GSIS which was/were awarded through Public Bidding, Limited Source Bidding or Negotiated Procurement-Two Failed Biddings and was/were entered into within the past three (3) years prior to the date of bid submission. For evaluation/verification purposes, the eligible bidder may be asked to provide additional information regarding its statement prior or during the post qualification evaluation. The bidder/supplier shall submit, as part of its Post Qualification Documents, Datasheet of the Network Router solution to be supplied. This includes brochures, manuals, or other documentary references which will provide substantial information of the products to be supplied. The bidder/supplier must be a distributor, reseller or partner authorized by the Manufacturer/Principal for the Network Router to be supplied. The bidder/supplier shall submit, as part of its Post Qualification Documents, a Certification from the Manufacturer/Principal regarding the said authorization. 	

Item	Specification	Statement of Compliance
	<ul style="list-style-type: none"> • During contract implementation, the bidder/supplier must ensure that it remains an authorized distributor, reseller or partner for said Goods to be supplied. If the bidder/vendor is unable to maintain its distributor, reseller or partner agreement with the Manufacturer/Principal, this may serve as a ground/reason for the termination of its contract with GSIS 	
E.5 EXISTING SYSTEMS/HARDWARE/SOFTWARE		
	<ul style="list-style-type: none"> • Cisco 4321 Integrated Services Router • Cisco 2911 Integrated Services Router • Cisco 3945 Integrated Services Router 	
E.6 DRAWINGS, PLANS OR OTHER NECESSARY REQUIREMENTS		
	Not applicable.	

F. SCHEDULE OF REQUIREMENTS

Below are the project milestones and schedule of deliverables:

Project Milestone Number	Deliverable	Schedule
1	Supply and delivery of all equipment in GSIS Home Office, initial testing and pre-configuration of equipment.	Within ninety (90) calendar days from the effectivity date indicated in the Purchase Order.
2	Project completion, final acceptance, closure and submission of complete documents required for payment processing <ul style="list-style-type: none"> ➤ Sales Invoice ➤ Certificate of Completion ➤ Warranty Security ➤ Warranty Certificate 	Within twenty (20) calendar days from completion of milestone number 1

Note:

The specified schedule above is subject to change without prior notice and activities may be re-scheduled in any of the following or similar circumstances:

- Natural disasters or calamities
- National security emergencies
- Implementation of work suspensions or community quarantine/lockdown due to worldwide/nationwide health emergencies (e.g. plague, pandemic, epidemic, etc.)
- Force majeure or any unforeseeable circumstances that prevent the project contractor from fulfilling the contract

In any occurrence of the circumstances noted above wherein the scheduled activity cannot be completed/performed, the activity will be rescheduled and completed/performed immediately after the circumstances mentioned above. In addition, the winning project contractor will still be paid as scheduled based on the payment terms.

G. PAYMENT TERMS

- The winning bidder shall be paid in full amount after the complete delivery, configuration, testing and final acceptance of the project.
- In the event that the winning bidder failed to meet the specified delivery time in the schedule of requirement and in the technical support, they shall be penalized in the amount of one tenth of one percent (1/10 of 1%) of the payment milestone for every calendar day of delay. The said penalties shall be applied to the current billing.
- In the event that the winning bidder failed to meet the response and resolution time specified in the warranty and after-sales requirement, they shall be penalized in the amount of one tenth of one percent (1/10 of 1%) of the cost of the equipment for every calendar day of delay. The said penalties shall be deducted from the retention money.
- Delays in the acceptance and payment by GSIS to the Supplier due to the latter's lack of consideration and foresight as to the former's inspection, evaluation, testing and acceptance processes shall not exempt the Supplier from any liquidated damages that may be due unless an extension is

expressly allowed and agreed upon by both parties in accordance with the IRR of RA9184.

H. RESPONSIBILITIES OF THE END-USER UNIT

- Grant the winning bidder's authorized representative access to its premises, equipment and facilities located therein to perform its obligations, provided that such representative shall be accompanied by the duly assigned GSIS personnel;
- Review and approve Project Management Plan
- Monitor progress and status of the project
- Execute Change Management Request
- Act as custodian of submitted project documents
- Provide project requirements needed on GSIS side (e.g. Workspace, LAN connection, logistics, coordination, approvals)
- Issue Certificate of Acceptance
- Process of project payment

I. NON-DISCLOSURE AGREEMENT

The winning bidder/supplier shall protect Confidential Information about the GSIS, and to use it only for purposes of complying with its tasks and obligations under the Official Bid Document/Contract/Purchase Order. It shall not disclose any Confidential Information about the GSIS project or procurement to a third party without the consent of the GSIS.

"Confidential Information" refers to information concerning the affairs of the GSIS which are not available to the public which, if disclosed, may compromise the security of the System.

The winning bidder/supplier shall not disclose any Confidential Information acquired during its engagement with GSIS even after the expiration or termination of the Contract.

J. DATA PRIVACY

The winning bidder/supplier must comply with all the provisions of Republic Act No. 10173, known as the "Data Privacy Act of 2012" and its Implementing Rules and Regulations.

K. ANNEX

List of GSIS Offices

Home/Branch Office	Address
Within Two (2) Business Days	
GSIS Home Office	Financial Center, Pasay City Metro Manila
Within Three (3) Business Days	
Bacolod Branch Office	Araneta St., Brgy Tangub, Bacolod City
Baguio Branch Office	3rd Floor, EDY Bldg., 143 Kisad Rd., Baguio City 2600
Bataan Branch Office	San Ramon Hi-way, Dinalupihan, Bataan
Batangas Branch Office	Alangilan, Batangas City
Bayombong Branch Office	NVSU Bayombong Compound, Don Domingo Maddela, Bayombong, Nueva Vizcaya, 3700
Bohol Branch Office	C.P.G. North Avenue, Cogon District, Tagbilaran City 6300
Bulacan Branch Office	MT Development and Realty Corporation bldg. KM 40 Mc Arthur Highway, Sumapang Bata, Malolos City Bulacan 3000
Butuan Branch Office	Libertad, Butuan City
Cabanatuan Branch Office	NFA Compound, Maharlika Hway., Cabanatuan City
Catbalogan Branch Office	RPP Building, Del Rosario Street, Brgy 4, Catbalogan City
Cauayan Branch Office	Tagaran, Cauayan City, Isabela
Cdo Branch Office	GSIS-CDO, Calamansi Drive, Carmen, Cagayan de Oro City
Cebu Branch Office	Leon Kilat St., Cebu City 6000
Cotabato Branch Office	Gov. Gutierrez Ave., Cotabato City
Dagupan Branch Office	PNR Site, M.H. Del Pilar St., Dagupan City
Davao Branch Office	KM 4 McArthur Highway, Matina, Davao City
Dipolog Branch Office	Minaog National Highway, Dipolog City
Dumaguete Branch Office	National North Road, Dumaguete City 6200
General Santos Branch Office	Llido Bldg., Santiago Blvd., General Santos City
Iba Extension Office	PEO Compound, Balili, Brgy. Palanginan, Iba, Zambales
Iligan Branch Office	YIMA Bldg. Badelles St., Iligan City 9200 Lanao Del Norte
Iloilo Branch Office	Cor. Zamora - Sto Rosario Sts., Iloilo City, 5000
Kidapawan Branch Office	Dimaano Bldg., National Highway, Kidapawan City
La Union Branch Office	Bugayong Bldg., Quezon Ave., Brgy. Catbangan, San Fernando City, La Union 2500
Laguna Branch Office	Barangay Biñan, Pagsanjan, Laguna 4008
Laoag Branch Office	Brgy 23, San Matias, P. Paterno St., Laoag City, Ilocos Norte 2900
Legazpi Branch Office	Alternate Road, Bitano, Legazpi City 4500
Lucena Branch Office	Maharlika Highway, Iyham Lucena City
Maasin Branch Office	Servacio Building, R. Kangleon Street, Mantahan, Maasin

Home/Branch Office	Address
	City
Malaybalay Branch Office	Onda Building, Sayre Highway, Casisang, Malaybalay City
Naga Branch Office	Del Rosario, Naga City, Camarines Sur
Pagadian Branch Office	Jaloux Bldg., Purok Subida, Dao, Pagadian City
Palawan Branch Office	National Highway, Bgy. San Miguel, Puerto Princesa City
Pampanga Branch Office	McArthur Highway, Sindalan, San Fernando, Pampanga
Pasig Extension Office	UG/flr. JNCV bldg. Pasig blvd. cor. Rosemarie Lane, Pasig City
Quezon City Branch Office	M. Geronimo Building, No. 746 Mindanao Ave., Tandang Sora, Quezon City
Roxas Branch Office	A. Belo Street, Roxas City
Sorsogon Branch Office	Flores St. Capitol Compound, Sorsogon City 4700
Surigao Branch Office	Ground Floor, Parkway Building National Highway, Surigao City 8400
Tacloban Branch Office	Marasbaras, Tacloban City
Tagum Branch Office	Osmena St., Tagum City 8100
Tarlac Branch Office	Urquico Oval, San Roque, Tarlac City
Tuguegarao Branch Office	Regional Government Center, Carig Sur, Tuguegarao City
Zamboanga Branch Office	Airport Road, Baliwasan, Zamboanga City
Within Five (5) Business Days	
Aklan Extension Office	Leyson-Escalona Building, Roxas Ave. Ext., Brgy. Andagao, Kalibo, Aklan
Antique Extension Office	G/F AML Bldg. Cor Atabay-Dalipe St., San Jose Antique 5700
Basilan Extension Office	Valderosa St., Isabela City 7300
Boac Extension Office	R.E.B Abetria Bldg., Brgy Santol, Boac, Marinduque
Borongan Extension Office	Jrc Bldg, Brgy. Songco, Borongan City, Eastern Samar
Calapan Extension Office	Ubas St. Lalud, Calapan City Oriental Mindoro
Catarman Extension Office	Jp Rizal St., Brgy Jp Rizal, Catarman, Northern Samar
Mamburao Extension Office	Rizal St., Mamburao Occidental Mindoro
Masbate Extension Office	City Hall Comp Masbate City
Ormoc Extension Office	Stall # 105, Ormoc Superdome, Malacadios St, Ormoc City
Tandag Extension Office	Capitol Rd, Brgy Telaje, Tandag City
Virac Extension Office	NNU Building, Bgy. Kapilihan, Virac, Catanduanes