



## TECHNICAL SPECIFICATIONS

### PURCHASE OF MANAGEABLE NETWORK SWITCHES FOR THE USE OF GSCWD NETWORK INFRASTRUCTURE UPGRADE

**ABC: ONE MILLION TWO HUNDRED THOUSAND PESOS ONLY (Php 1,200,000.00)**

The scope of work for this project shall include the supply, delivery, installation, testing, configuration, and integration of manageable network switches for the General Santos City Water District.

*The bidder is required to complete its Statement of Compliance demonstrating how its terms complied with the specification. Non-compliance of Statement of Compliance for the item in its bid shall be considered non-responsive for that item.*

NO.	DESCRIPTION	QTY	GSCWD SPECIFICATION	STATEMENT OF COMPLIANCE
1.	MANAGEABLE NETWORK SWITCH	4 Units	<ul style="list-style-type: none"> <li>• Network Ports: 24 x 1G</li> <li>• Uplink Ports: 4 x 10G SFP + Data Only</li> <li>• Fans: Fixed redundant</li> <li>• Power Supply: Internal</li> <li>• DRAM: 2GB</li> <li>• Flash: 4GB</li> <li>• Switching Capacity: 128GB</li> <li>• Forwarding Rate: 190.4Mpps</li> <li>• Stacking Bandwidth: 80GBps</li> </ul> <p>FEATURES:</p> <ul style="list-style-type: none"> <li>• Layer 2 &amp; 3 Switching</li> <li>• VLAN Support</li> <li>• Spanning Tree Protocol</li> <li>• Advance Threat Protection</li> <li>• IPv6 First-Hop Security</li> <li>• Quality of Services (QoS)</li> <li>• sFlow</li> <li>• Dynamic Routing</li> </ul>	



			<ul style="list-style-type: none"> <li>• Support Access Control List (ACLs)</li> <li>• Network Management: CLI and SNMP</li> </ul>	
2.	MANAGEABLE NETWORK SWITCH	2 Units	<ul style="list-style-type: none"> <li>• Network Ports: 16 x 1G</li> <li>• Uplink Ports: 2 x 10G SFP</li> <li>• Data Only</li> <li>• Fanless</li> <li>• Power Supply: Internal</li> </ul> <p>FEATURES:</p> <ul style="list-style-type: none"> <li>• Layer 2 Switching</li> <li>• VLAN Support</li> <li>• Spanning Tree Protocol</li> <li>• Advance Threat Protection</li> <li>• IPv6 First-Hop Security</li> <li>• Quality of Services (QoS)</li> <li>• sFlow</li> <li>• Dynamic Routing</li> <li>• Support Access Control List (ACLs)</li> <li>• Network Management: CLI and SNMP</li> </ul>	
3.	TRANCEIVER MODULE (for 24 Ports Switch)	4 Units	<ul style="list-style-type: none"> <li>• 10GBASE-SR</li> <li>• DUPLEX</li> <li>• LC</li> </ul>	
4.	TRANCEIVER MODULE (for 16 Ports Switch)	2 Units	<ul style="list-style-type: none"> <li>• 10GBASE-SR</li> <li>• DUPLEX</li> <li>• LC</li> </ul>	
<b>TERMS AND CONDITION FOR EQUIPMENT AND PROJECT IMPLEMENTATION</b>				
	The winning bidder shall perform the installation of devices outside of business hours. They must provide a detailed integration work plan that includes the installation design, schedule of activities, and a network diagram illustrating connectivity to the existing GSCWD			

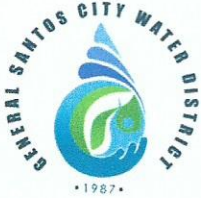




Republic of the Philippines  
**GENERAL SANTOS CITY WATER DISTRICT**  
 E. Fernandez St., Brgy. Lagao, General Santos City  
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 E-mail Address: gscwaterdistrict@yahoo.com  
[www.gensanwater.gov.ph](http://www.gensanwater.gov.ph)

	data center local area network. The integration plan must specify the responsibilities of all parties involved, including GSCWD personnel.	
	All proposed devices and accessories must be manufactured by a reputable company.	
	Bidders must offer brand-new, branded network switches of the same brand/technology currently used by GSCWD to ensure compatibility and enable seamless configuration mirroring. This is important because the IT administrator is already experienced with this technology.	
	The winning bidder agrees to hold all the foregoing information in strict confidence. The bidder further agrees not to reproduce or disclose any confidential information to third parties without the prior written approval of the GSCWD.	
<b>WARRANTY SERVICES AND MAINTENANCE</b>		
	The winning bidder shall provide a technical support staff member who must be a certified network engineer with a training certificate, based in Mindanao, as well as a substitute trained technical personnel/specialist in case the service engineer is out of town or unavailable.	
	In case of downtime, the winning bidder is given 2 days to perform remedial action (repair). On the 3rd day, if the unit is still not operational, a backup unit shall be provided (within the warranty period only).	
	The winning bidder shall provide a three (3)-year comprehensive warranty which shall include technical support, provision of the service unit, parts replacement for the hardware/appliance, and preventive maintenance.	
	The winning bidder must warrant all hardware, accessories, spare parts, and other items against any manufacturing defects during the warranty period.	
	The winning bidder must ensure on-site support (at no extra cost) for resolving all hardware, software, and firmware/OS-related issues, including the reinstallation of software/firmware/OS and other software mentioned above, for any reason during the warranty period.	
	If any critical component of the entire configuration is out of service for more than 24 hours, the winning bidder shall either immediately replace the defective unit at their own cost or provide a standby unit.	
	The winning bidder shall be liable for loss, damage, or injury caused directly or indirectly by the fault or negligence of its technical staff assigned. It shall assume full responsibility thereof and the GSCWD shall be fully released from any liability arising therefrom.	
<b>QUALIFICATION OF BIDDERS</b>		
	Bidders must have a regional presence or a regional service/support partner/center located within Mindanao.	





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	Bidders must be authorized distributors, partners, or dealers of the equipment manufacturer.	
	Bidders must be IT solution providers, not merely box pushers.	
	Bidders must have at least five (5) years of experience providing and integrating ICT solutions and services in government or private sectors.	
<b>TRAININGS</b>		
	The winning bidder shall provide knowledge transfer regarding the setup and configuration of all equipment.	
<b>DOCUMENTATIONS</b>		
	The winning bidder shall provide complete and detailed documentation of the project.	
	The winning bidder shall provide a certificate of warranty for all equipment.	
<b>DELIVERY TERM</b>		
	The delivery of goods, configuration, implementation, documentation, and acceptance must be completed within sixty (60) working calendar days from the receipt of the Notice to Proceed.	

Prepared by:

TECHNICAL WORKING GROUP FOR INFORMATION COMMUNICATION AND TECHNOLOGY  
 INFRASTRUCTURE GROUP

  
**PHYLL PATRICK C. FRAGATA, CpE**  
 TWG –Member

  
**MICHAEL G. GABALES, REE**  
 TWG –Head

Recommending for Approval:

  
**FERDINAND S. FERRER, MPA**  
 Assistant General Manager for Administration

Approved by:

  
**FRANCISCO R. ALOLOD JR., CPA, CESE**  
 Acting General Manager