



Republic of the Philippines

**DEPARTMENT OF SCIENCE AND TECHNOLOGY**

**Philippine Atmospheric, Geophysical and Astronomical Services**

**Administration (PAGASA)**

**PAGASA BIDS AND AWARDS COMMITTEE (PAGASA-BAC)**

**SUPPLEMENTAL / BID BULLETIN No. 2020-010-02**

24 February 2020

**Subject: Supply, Installation, Testing, Training and Commissioning of Various ICT Monitoring Tools and Network Switches**

**Reference: PR No. 2020-01-0018 / IB No. 2020-010**

**ABC: Php6,916,824.00**

This Supplemental/Bid Bulletin is being issued to clarify, amend and/or modify certain provisions in the Bidding Documents and to answer the written clarificatory questions submitted by prospective bidders, to wit:

**A. Query from MASTER BUILDER CONSTRUCTION AND SUPPLIES**

<b>Query No.</b>	<b>Particulars</b>	<b>Answers</b>
1.	<p><b><u>Two (2) Units Core Switches:</u></b></p> <p>How many back-ups Core SW</p> <p>Any type approved brand for all active components, can we recommend and justify relevance of functions and durability?</p> <p>What is the maximum throughput of Core Switches?</p>	<p>Two (2) Redundant Core both active – Active switch connected physically via 40GB QSFP+ transceiver port and connected logically via IRF technology.</p> <p>Any brand as long as they meet the physical and logical requirement based on the Terms of Reference (TOR).</p> <p>Switching capacity is 2.56 TBITS/s, maximum throughput is 100GB QSFP28.</p>
2	<p><b><u>Fifteen (15) Units Distribution Switch:</u></b></p> <p>Current Network Physical Connectivity Status Fiber and Copper</p> <p>What is the current cabling maximum speed and specs?</p> <p>Do you require redundant PSU for digital switch?</p> <p>Does PAGASA looking for another upgrade for the next 2-3 years or so? Or does PAGASA envisions full proof active components?</p> <p>Are the switches required full layer function or two (2) layers is enough? Or does PAGASA need a self-healing network (full redundant network)?</p>	<p>Core to distribution multi-mode fiber and distribution is CAT6E UTP cable.</p> <p>Core to distribution 20GB link aggregated single mode fiber connection and distribution to access is 4GB aggregated UTP cable.</p> <p>We don't require redundant PSU for digital switch.</p> <p>We are looking for another upgrade for the next 2-3 years but it will depend on the amount of data.</p> <p>For distribution switch layer only two (2) layer function is required/enough. A full redundant network is not necessary.</p>

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<p>3</p>	<p><b><u>154 Units 10GB SFP + Transceiver</u></b></p> <p>Does ICT used or has single mode fiber optic as backbone or main uplink from data center / IDC etc. to IDF?</p> <p>Can one (1GB) transceiver used as alternative module for these requirements?</p> <p>Why 154 units of 10GB fiber uplink?</p>	<p>PAGASA is using both single mode and multi-mode for fiber backbone.</p> <p>PAGASA has an existing 4GB. We need to upgrade at 10GB, thus, we have to use SFP+ transceiver.</p> <p>The 60 SFP+ will be used for connection of core to 15 distribution aggregated connections while the remaining 94 SFP+ will be used to connect the distribution to access switch single connection.</p>
<p>4</p>	<p><b><u>Two (2) units power supply</u></b></p> <p>Is this for CORESW alone? What about backup core switches and the distributions switch?</p> <p>Do we need UPS for Core and Distributions Switches? If yes, what capacity needed for Core and Distribution Switch?</p>	<p>No, this is both for core switch, each core switch must have two (2) hot swappable PSU with support for 1+1 redundancy based on the TOR.</p> <p>We already have an existing UPS for core and distribution switches.</p>
<p>5</p>	<p><b><u>One (1) Lot Network Analyzer, Monitoring Tool and Server Appliance</u></b></p> <p>Network analyzer is this included in NMS or separate devices tool HW instrument?</p> <p>Server NMS, what need to manage and monitor, complete elements i.e., OSYM ETG OIRTM SW-SPU etc. unlimited Elements or Limited Elements X: no. of components.</p> <p>What specs of server required of this will be based on the NMS requirements?</p> <p>Do we need redundant NMS server?</p> <p>Do we need to include existing devices or the end user for management and monitoring?</p>	<p>The network analyzer is already included in NMS.</p> <p>Capable to monitor switches port, VOIP port, servers including CPU device, memory usage and manage to configure switch via software define interface.</p> <p>The required specification for server is already indicated in the TOR and this will be used for NMS.</p> <p>We don't need redundant NMS server.</p> <p>Yes, you have to include the existing device for monitoring purposes, especially switches and server connection to switches ports.</p>
<p>6</p>	<p>Can we have 50% DP, 40% Progress and 10% Retention?</p>	<p>The procurement at hand does NOT fall within the contracts or conditions specified under <b>Section 4 (4.3), Annex "D"</b> of the 2016 Revised Implementing Rules and Regulations (IRR) of RA 9184 wherein "a single advance payment not to exceed fifty percent (50%) of the contract amount may be allowed.</p> <p>Instead, <b>Section 4 (4.5)</b> thereof shall be applied wherein, <b>"Upon submission (by the winning bidder) of an irrevocable letter of credit or bank</b></p>

		<p><b>guarantee issued by a Universal or Commercial Bank, <u>Advance Payment not to exceed fifteen percent (15%) of the contract amount shall be allowed and paid within sixty (60) calendar days from signing of the contract.</u></b></p> <p>For Goods supplied from abroad; however, the Terms of Payment provided for under Clause No. 11(11.3) of the General Conditions of the Contract (GCC) of the Bidding Documents shall be applied as follows:</p> <ol style="list-style-type: none"> <li>a. On Contract Signature: Fifteen Percent (15%) of the Contract Price shall be paid within sixty (60) days from signing of the Contract and upon submission of a claim and a bank guarantee for the equivalent amount valid until the Goods are delivered;</li> <li>b. On Delivery: Sixty-five percent (65%) of the Contract Price shall be paid to the Supplier within sixty (60) days after the date of receipt of the Goods and upon submission of the documents (i) through (vi) specified in the SCC provision on Delivery and Documents; and</li> <li>c. On Acceptance: The remaining twenty percent (20%) of the Contract Price shall be paid to the Supplier within sixty (60) days after the date of submission of the acceptance and inspection certificate for the respective delivery issued by the Procuring Entity's authorized representative.</li> </ol>
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B. Query from **TEKZONE**

Query No.	Particulars	Answers
1	One (1) year Warranty because SLA is only 1 year	Consistent with the warranty requirements of the instant Project which is <b>three (3) years</b> , the <b>Service Level Agreement (SLA)</b> and commitment required from the winning bidder shall likewise be for a period of <b>three (3) years</b> .

This shall form an integral part of the Bid Documents.

For information and guidance of all participating bidders.

**SGD.**  
**CATALINO L. DAVIS**  
Chairperson, PAGASA-BAC

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