

# 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

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

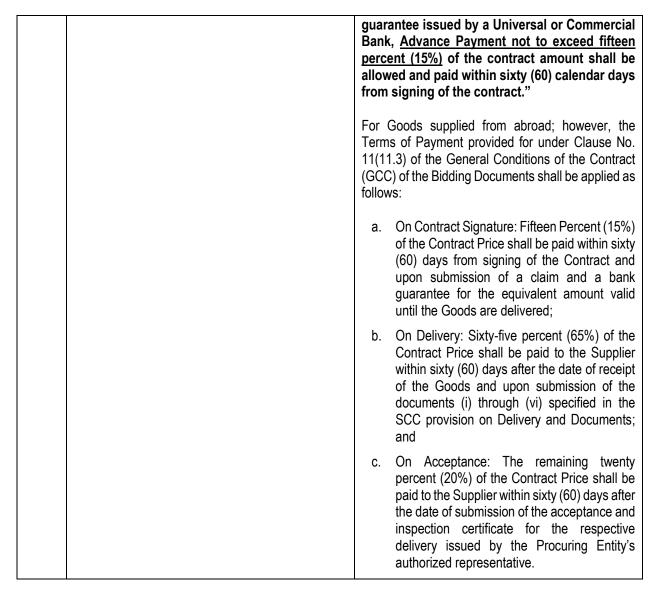
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#### 154 Units 10GB SFP + Transceiver Does ICT used or has single mode fiber optic as PAGASA is using both single mode and multi-mode backbone or main uplink from data center / IDC etc. for fiber backbone. to IDF? Can one (1GB) transceiver used as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

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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 <u>three (3) years</u> , the <u>Service Level Agreement (SLA)</u> and commitment required from the winning bidder shall likewise be for a period of <u>three (3) years</u> .

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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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