SUBJECT : BID BULLETIN NO. 4

PROJECT : **SUPPLY & DELIVERY OF TABLETS FOR ADM AND ALS**
PB CLMD 2024-029 & PHILGEPS REF. NO. 11429092

DATE : December 3, 2024

This Bid Bulletin No. 4 is hereby issued for the information of prospective bidders in the above-mentioned project.

As part of the technical specifications, the following shall be included:

1. *There will be twelve (12) pieces/units of Education Server that can accommodate 300 or more users per server, refer to the attached specification.*

2. *Clone desktop for Education Server is not allowed.*

3. *External AP device is not allowed as an Integrated WI-FI AP.*

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CRISTITO A. ECO
BAC Chairperson

Specification for Education Server

Processor	Intel Core i3 Dual Core 2GHz or higher
Memory	16GB DDR4 or higher
Storage	1TB SATA or Nvme SSD (support to 24x7 operation) or higher
Network	2x Gigabit ports (LAN/WAN)
Integrated WI-FI AP	bgn/ac (MIMO 2x2 and support to 100 concurrent users) or higher (30)
OS	• Version controlled and support for online updates, for bug fixes and new features. • Product software ISO installer for full one step appliance fresh install or factory reset.
Network Features	• Internet router with NAT/PAT support and DNS Server. • Proxy caching server for Internet with support for HTTP and HTTPS websites. • WAN Bandwidth management control by profile. • Should allow to enable/disable internet access by user device.

Security	• Preconfigured Firewall.
	• Web Filtering (Whitelist/Blacklist) configured by profile or to all.
	• Should bring 3 profiles already configured:
	  - Administrator: permission to configure the whole device.
	  - Teacher: permission to add/edit digital content and lessons.
	  - Student: should have permission to only access digital content and lessons.
	• Provide Active Directory authentication with Group Policy Object (GPO) support.
	• Support to remote access through VPN.

Content Repository	• The Content Portal should offer options to customize the interface according to the profile and should have blocks to add buttons, URL, HTML and Banners.
	• Support digital content in several formats (PDF, HTML, JPG, PNG, ZIP etc.).
	• Administrator or Teacher profile should be able to add new contents:
	  - Load single files or a package of files.
	  - The digital content can be aggregated into different sequences to create lessons.
	  - Videos can be automatically downloaded from the Internet providing its URL only.
	  - Contents can be tagged by grade, subject and free TAGS.
	• The local Content and Application Repository should synchronize content with a Centralized Cloud instance, allowing a remote administrator to manage the content of each Education Server remotely (see more details in **Remote Management item**).
	• It should be possible to define the visibility of each content package by:
	  - Public Visibility, Teacher's only visibility, Private Only Visibility.

Application Repository	• The solution must support remote deployment of applications in a sandbox to guarantee isolation and prevent potential incompatibility with OS features. • The solution should allow the applications to be easily disable without uninstalling it.
Administration	• **Integrated User Interface:** single and intuitive web portal to use and configure all the services and features (should adjust automatically to user's screen size). • **Backup:** the solution should offer a feature to create and restore different levels of backups: whole system, digital content Only, configurations only.

Remote Management	• Provide a Cloud service solution to allow centralized and remote management of schools. The service should be provided by at least 3 years.
	• **Groups:** allow Education Server devices to be organized into groups.
	• To manage schools/classroom Servers, the following features should be offered:
	  - Synchronization Status.
	  - List of contents in each Education Server or group.
	• **Digital Content/Application Distribution:** the solution should synchronize the content automatically according to the parameters defined. The solution should provide the completion rate of the content being synchronized.
	• **Device Statistics:** gather statistics from usage of the remote Education Server:
	  - Content Usage Statistics and Internet Usage Statistics;
	• Offer an API based in REST to support integration with other applications

Warranty / Support	• 3 years of warranty and 3 years of support services and remote management.