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OUA MEMO 00-0521-0102
MEMORANDUM
17 May 2021

For:	**Regional Directors and BARMM Education Minister**
	Schools Division Superintendents
	Regional and Division Supply Officers
	Regional and Division IT Officers
	All Others Concerned
Subject:	**IMPLEMENTATION OF DEPARTMENT OF EDUCATION**
	RESOURCE PLANNING SYSTEM (DERPS) PHASE II

The Office of the Undersecretary for Administration (OUA) hereby informs all concerned on the configuration of **Oracle Database Appliance (ODA) Machines** for the Department of Education Resource Planning System Phase II (DERPS II) project.

It is the responsibility of DepEd Regional and Division Offices to prepare a secured data center with the necessary network equipment, connectivity, cooling system, and circuit breaker to situate, install, and operate the DERPS ODA Machines 24/7. However, in the event that the network infrastructure is not yet ready, it is recommended that the equipment be temporarily installed in the Supply Office until such time that the procurement of network infrastructure to support the said project is in place. Please be informed that the Program Support Fund (PSF) for this project has already been downloaded to the respective Regional and Division Offices.

Kindly refer to **Annex A** for the schedule of setup and DERPS I modules deployment. For detailed technical specifications of ODA Machines to be delivered, please refer to **Annex B** for Regional Offices or **Annex C** for Division Offices.

For clarifications and inquiries, please contact Engr. Ofelia L. Algo, Chief, Technology Infrastructure Division via landline (+632) 86332363, cellphone +63 908 8782413, and email ofelia.algo@deped.gov.ph.

Thank you.

ALAIN DEL B. PASCUA
Undersecretary

SCHEDULE OF SETUP AND DEPLOYMENT
OF DERPS I MODULE

Region	Site	Date of Setup	Date of DERPS I Module Deployment
CAR	Regional Office		
	Benguet		
	Mountain Province		
	Apayao		
Region I	Regional Office		
	Pangasinan I		
	Ilocos Sur		
Region II	Regional Office		
	Isabela		
	Nueva Vizcaya		
Region III	Regional Office		
	Aurora		
	Zambales		
Region IV–A	Regional Office		
	Lucena		
	Quezon Province		
Region IV–B	Regional Office		
	Oriental Mindoro		
	Palawan	May 10 to June 7, 2021	July 2021
Region V	Regional Office		
	Camarines Sur		
	Masbate Province		
Region VI	Regional Office		
	Guimaras		
	Negros Occidental		
Region VII	Regional Office		
	Dumaguete		
	Bohol		
Region VIII	Regional Office		
	Leyte		
	Northern Samar		
Region IX	Regional Office		
	Zamboanga del Sur		
	Zamboanga del Norte		
Region X	Regional Office		
	Bukidnon		
	Lanao Del Norte		

Region XI	Regional Office		
	Compostela Valley		
	Digos		
Region XII	Regional Office		
	South Cotabato		
	Tacurong	May 10 to June 7, 2021	July 2021
	Kidapawan		
CARAGA	Regional Office		
	Agusan del Sur		
	Bislig		
BARMM	Regional Office		
	Basilan		
	Marawi		

TECHNICAL SPECIFICATIONS OF
SERVER/APPLIANCE FOR REGIONAL OFFICES

Brand: Oracle Database Appliance
Model: X8-2-HA

General Features:
1. Single automated patching interface and patch bundle to update and patch software system components such as firmware and hardware drivers, operating system, storage manager, clustering software, and database
2. Hardware and software configuration built to protect against component failures such as disk failures, CPU failures, memory failure, network card failures, and system controller failures.
3. Hot-pluggable components such as power units, fans, and storage disks

Technical Specifications

Two (2) 2RU X8-2L Server:
Each Server with:
1. Processor: 2x Intel Xeon Gold 5218 2.3 GHz, 16 cores, 125 watts, XCC, 22 MB L3 cache
2. Memory: 384 GB (12 x 32 GB)
3. Internal Storage: 2x internal 480 GB M.2 SSDs
4. Network: 4-port 10GBase-T card
5. One 4RU DE3-24C Storage Array: 12x 7.68 TB SSD

Power:
1. Two 1,200 watt hot-swappable and redundant power supplies, rated 96% efficiency
2. Rated line voltage: 100 to 240 VAC
3. Rated input current 100 to 127 VAC 7.2 A and 200 to 240 VAC 3.4 A
4. Two 580 Watt hot-swappable, redundant power supplies per storage shelf, rated 88% efficiency
5. Rated line voltage: 100 to 240 VAC
6. Rated input current: 100 VAC 8A and 240 VAC 3A

Dimensions and Weight:
1. Height: 86.9 mm (3.4 in.) per server; 175 mm (6.9 in.) per storage shelf
2. Width: 445.0 mm (17.5 in.) per server; 483 mm (19.0 in.) per storage shelf
3. Depth: 759.4 mm (29.9 in.) per server; 630 mm (24.8 in.) per storage shelf
4. Weight: 28.6 kg (63 lb.) per server; 38 kg (84 lbs.) per storage shelf

TECHNICAL SPECIFICATIONS OF
SERVER/APPLIANCE FOR DIVISION OFFICES

Brand: Oracle Server
Model: X8-2M

General Features:
1. Single automated patching interface and patch bundle to update and patch software system components such as firmware and hardware drivers, operating system, storage manager, and database
2. Hardware and software configuration built to protect against component failures such as disk failures, CPU failures, memory failure, network card failures, and system controller failures.
3. Hot-pluggable components such as power units, fans, and storage disks

Technical Specifications:
1. Processor: 2x Intel Xeon Gold 5218 2.3 GHz, 16 cores, 125 watts, XCC, 22MB L3 cache
2. Memory: 384 GB (12 x 32 GB)
3. 2x internal 480 GB M.2 SSDs
4. Network: 4-port 10GBase-T card
5. Disk storage: 2x NVMe SSDs (6.4 TB per drive)

Power Requirement:
1. Two 1,200 watt hot-swappable and redundant power supplies, rated 96% efficiency
2. Rated line voltage: 100 to 240 VACS
3. Rated input current 100 to 127 VAC 10 A and 200 to 240 VAC 7 A

Dimensions and Weight

1. Height: 86.9 mm (3.4 in.)
2. Width: 445.0 mm (17.5 in.)
3. Depth: 759.4 mm (29.9 in.)
4. Weight: 28.6 kg (63 lb.) fully populated

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