PURCHASE REQUEST

Entity Name: **PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY** Fund Cluster: 101

Office/Section: **Research Division**	PR No. 24-10-838 Responsibility Center Code:		Date: October 4, 2024		
Stock/Property No.	Unit	Item Description	Quantity	Unit Price	Total Cost
	set	**Supply, Delivery, Setup, and Orientation of High Processing Workstation Set for Generative A.I Modelling and Bioinformatics Analysis** *Workstation 1:* 1. Central Processing Unit: - At least 350W thermal design power (TDP) with at least 64 core, 128 threads, and 256MB cache - With a base clock speed of at least 3.20GHz and a turbo speed of at least 5.10 Ghz - compatible with WRX90 socket - with compatible heatsinks and air cooling peripheral for thermal management 2. Graphical Processing Unit: - Dual (2) GPU Setup connected through 2-way low profile bridges - Each GPU should have at least 300W Max Power Consumption - Each GPU should have at least 48 GB GDDR6 - with and compatible with PCI Express Generation 4 x 16 graphics bus - VR/Raytracing compatible - with at least 4 display ports - Ampere architecture-based GPU - with at least 10,700 CUDA Cores, and at least 300 Tensor Cores for A.I Generation and Modelling 3. Memory - with a total memory of at least 256 GB - DDR5, partitioned to 4 channels - memory should have at least 4,800 Mhz speed 4. Storage - with at least 2 TB M.2 NVME SSD boot drive '- with at least 24 TB total hard-drive storage, with a speed of at least 7,200 RPM 5. Chassis and Power Supply - Compatible chassis to contain parts - with at least 1350W power supply 6. Operating System - with Windows 11 Pro (English) operating system *Workstation 2:*	1	2,500,000.00	2,500,000.00

Tech & Sci. outlay

Date: 10/07/24
BIDS AND AWARDS COMMITTEE
Purchase Request: 24-10-838 RESEARCH
Budget is within:
Approved: 26121 OSMD-ASR
BAC Secretariat:
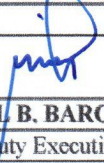
		1. Central Processing Unit: - At least 350W thermal design power (TDP) with at least 64 core, 128 threads, and 256MB cache - With a base clock speed of at least 3.20GHz and a turbo speed of at least 5.10 Ghz - compatible with WRX90 socket - with compatible heatsinks and air cooling peripheral for thermal management 2. Graphical Processing Unit: - with at least 4 GB GDDR6 Memory - at least 350 CUDA cores - with at least PCI Express Gen 3 bus - Turing GPU architecture 3. Memory - with a total memory of at least 256 GB - DDR5, partitioned to 4 channels - memory should have at least 4,800 Mhz speed 4. Storage - with at least 2 TB M.2 NVME SSD boot drive '- with at least 24 TB total hard-drive storage, with a speed of at least 7,200 RPM 5. Chassis and Power Supply - Compatible chassis to contain parts - with at least 1350W power supply 6. Operating System - with Windows 11 Pro (English) operating system ***Peripherals, Software, and Warranty:*** 1. Monitors: - Two (2) IPS panel Monitors with at least 27 inch diagonal size; - full HD (1920x1080) Resolution - height, tilt, swivel and pivot adjustable - Supports HDMI, USB 3.2, RJ45 connection 2. Keyboard and Mouse - 2 pairs of QWERTY full keyboard, and 2 optical mouse for the workstations			

		3. Four (4) Support Laptops - with at least 16 cores, 22 threads and 24 MB cache - with a turbo clockspeed of at least 4.8 Ghz - with a dedicated graphical processing unit with at least 4GB GDDR6 memory, ray-tracing compatible - with at least 32 GB DDR5 memory, with speed of at least 5600 MT/s - with at least 2 TB M.2 NVME SSD storage - at least 15.6" display screen with resolution of at least 1920x1080 FHD - with built-in microphone, camera, backlit keyboard, WiFi 6/6E - inclusion of wireless optical mouse and backpack - with Windows 11 Pro (English) operating system 4. Services and Warranty: - at least 3 years warranty support for all equipment - at least 3 years on-site services for workstations - at least 1 year on-site services for laptops - at least 1 year warranty on laptop batteries Delivery and Setup of Equipment: 2/F PhilFIDA - Immunology and Molecular Biology Laboratory, Visayas Avenue, Quezon City Charged to Research Division - PCAARRD Project 4			
			TOTAL		**2,500,000.00**

Purpose: use for the implementation of research objectives of PCAARRD project

	Requested by:	Approved by:
Signature		
Printed Name	**ENGR. EMMA Z. BALABIS**	**ENGR. RAMIL B. BARCELONA, MPA**
Designation	OIC-Research Division	OIC - Deputy Executive Director

PURCHASE REQUEST

Entity Name: **PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY**   **Fund Cluster: 184**

Office/Section: **Research Division**	PR No. 24-11-1007 Responsibility Center Code:			Date: November 6, 2024	
Stock/Property No.	**Unit**	**Item Description**	**Quantity**	**Unit Cost**	**Total Cost**
	pc	**Laptop** - supply and delivery of brandnew and branded laptop to 2/F PhilFIDA-IMBL, Visayas Avenue, Quezon City **Technical Specification:** - 14-inch FHD+ / IPS-level Display (at least 1920 x 1200 resolution) - monitor panel refresh rate of at least 144hz with at least 100% sRGB color coverage - at least 14 total cores and 18 total threads (combination of performance and efficient cores), with at least 3.3Ghz performance clock base speed - at least 6GB of GDDR6 dedicated graphical unit, with raytracing capability - at least 16 GB DDR5 RAM - with at least 512GB M.2 SSD - with webcam - with backlit keyboard - with at least WiFi7 technology - with at least 1x Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.1); 1x Type-C (USB3.2 Gen2 / DisplayPort™/ Power Delivery 3.0); 1x Type-A USB3.2 Gen2; 1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz); 1x RJ45 - with at least Windows 11 Pro/Home OS Charged to Research Division - PCAARRD Project 4	2	80,000.00	160,000.00
				TOTAL	**160,000.00**

Purpose: use for the implementation of research objectives of PCAARRD project

	Requested by:	Approved by:
Signature		
Printed Name	**ENGR. EMMA Z. BALABIS**	**ENGR. RAMIL B. BARCELONA, MPA**
Designation	OIC-Research Division	OIC - Deputy Executive Director