



TECHNICAL SPECIFICATIONS

Title: Deployment of STARBOOKS in 30 Selected Last Mile Schools in the Philippines

Approved Budget: Php 2,100,000.00

Fund Source: BPI FOUNDATION INC.

Desktop Computer Set (30 Units)

PHP 45,000.00/per unit (PHP 1,350,000.00)

SPECIFICATIONS	
Processor	Core i5-12400/Equivalent specification or higher
Memory	16 GB or higher
Storage	512GB SSD M.2 2280 PCIe 4.0x4 NVMe + 1 Terabyte Hard Disk Drive
Audio Chip	High Definition (HD) Audio
Front Ports: (Preferably)	2x USB 3.2 Gen 1, 1x USB-C 3.2 Gen 1 (support data transfer and 5V@3A charging), 1x card reader, 1x headphone / microphone combo jack (3.5mm), 1x microphone (3.5mm)
Rear Ports: (Preferably)	2x USB 2.0, 2x USB 3.2 Gen 1, 1x VGA, 1x HDMI 1.4, 1x Ethernet (RJ-45), 1x power connector
Operating System	Windows 10 Home or Latest
	Ethernet: Integrated 100/1000M
	WLAN + Bluetooth 11ax, 2x2 + BT5.2
Keyboard and Mouse	USB Keyboard, Mouse and Headset/Speaker
Monitor	21-inches IPS 75Hz FHD VGA/HDMI/D or higher
UPS	650 VA UPS

2.STARBOOKS Pod (30 Units)

(See attached STARBOOKS pod measurement and design)

PHP 20,000.00/per unit (PHP 600,000.00)



3.Wifi Router (30 Units)

PHP 5,000.00/per unit (PHP 150,000.00)

SPECIFICATIONS	
Network Standard	WiFi 6(802.11ax) MU-MIMO and OFDMA / IPv4 and IPv6
Antenna	Ex-antennas*4
Operating Frequency	2.4GHz / 5 GHz
Ports	RJ45 for Gigabits BaseT for WAN x 1, RJ45 for Gigabits BaseT for LAN x 3, USB Port x1
Power Supply	AC Input : 110V~240V(50~60Hz) DC Output : 12 V with max. 1.5A current

Installation and Warranty

Supplier must provide free installation of license operating system (Windows 10 or Latest) and at least one (1) year of warranty services (Parts)

Delivery Cost

- The bid amount shall be inclusive of the delivery cost of the **STARBOOKS PODs** to the following DOST regional offices:

Region	No. of Recipients School
Region III	4
CALABARZON	2
MIMAROPA	4
Region V	2
Region VI	3
Region VII	4
Region VIII	6
Region XI	5
	30

- The bid amount shall be inclusive of the delivery cost of the **computer units** to DOST-STII office at DOST Complex, General Santos Avenue, Bicutan, Taguig City

Terms and Conditions

- All items shall be delivered within **30-45 calendar days** upon receipt of Purchase Order.



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
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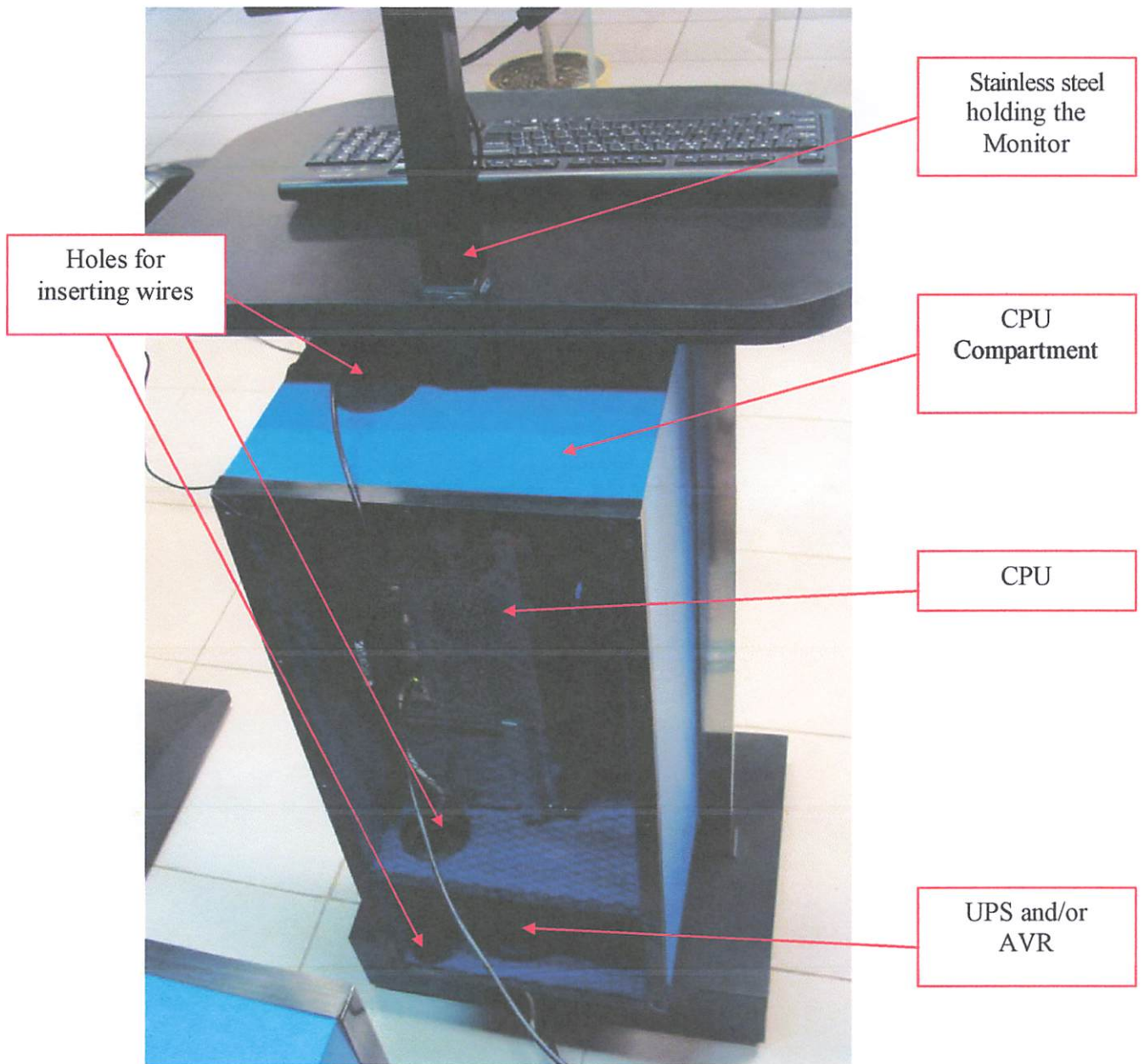
**TECHNICAL WORKING GROUP (TWG)
(ICT EQUIPMENT & SOFTWARE)**


LLOYD FREDERICK R. MANDAPAT
Member


MARK JAYSON U. SISON
Member


ALFON B. NARQUITA
Chairperson

Title: Deployment of STARBOOKS in 30 Selected Last Mile Schools in the Philippines



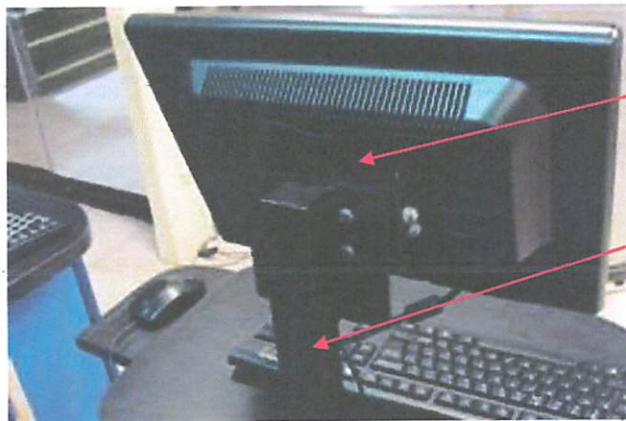
KIOSK DESIGN



Top Panel

Sliding Panel

The top panel where the keyboard is mounted. Sliding panel for mouse.



Wall mount
brace

Metal Pole

The monitor is screwed to a wall mount brace attached to a metal pole. The pole also serves as a conduit to wires used for connecting the monitor, keyboard, and mouse to the CPU.



Wall Mount Brace

Wires goes inside the
pole down to the CPU



This is the basic design of the STARBOOKS kiosk. They are meant to be used on a standing position.



Sample users relative to the height of the kiosk.



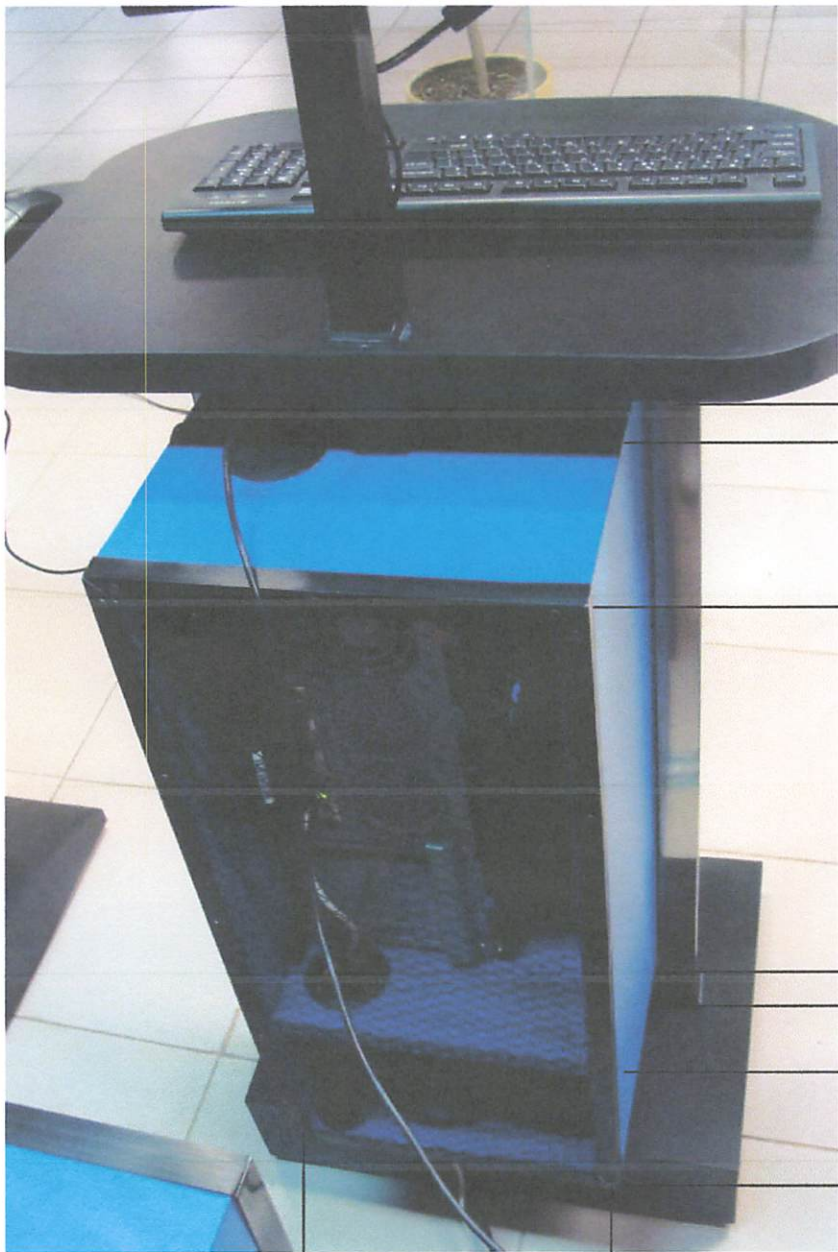
Base

The base of the kiosk is filled with concrete for atleast 2.5kilos of weight. This helps maintain stability specially against rowdy users.

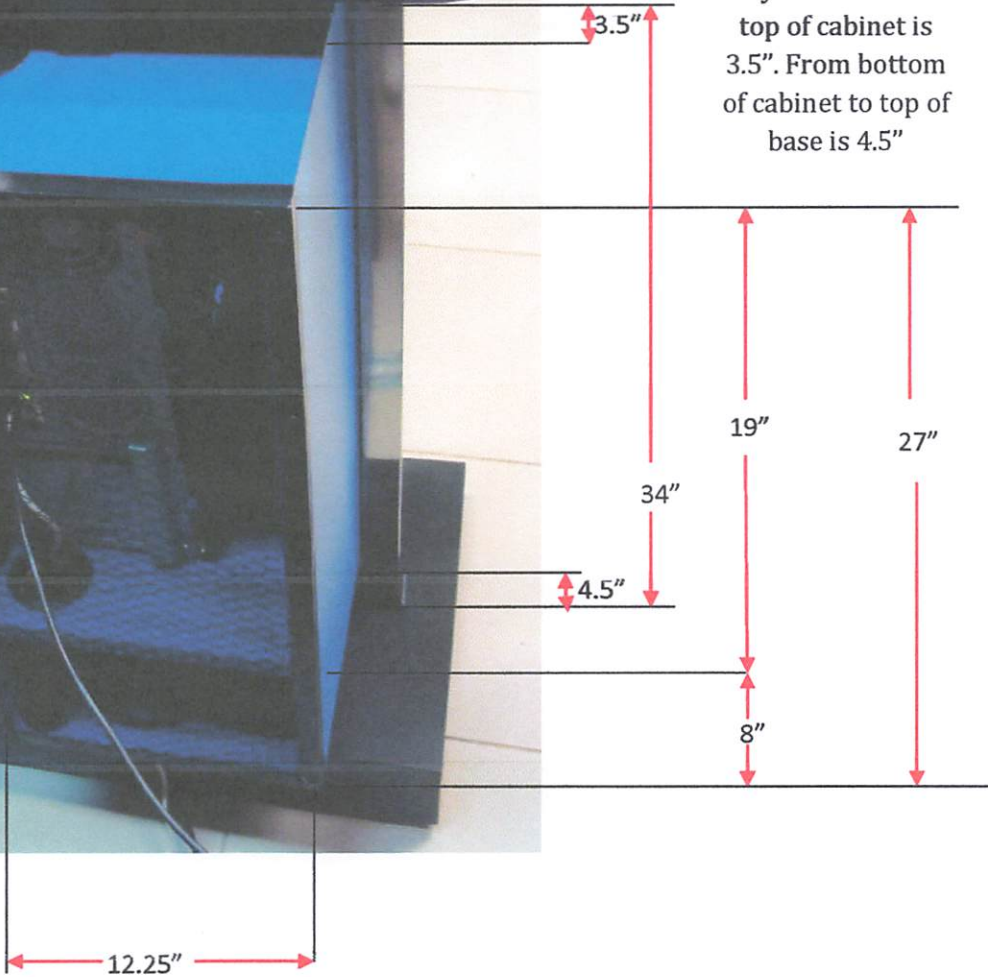


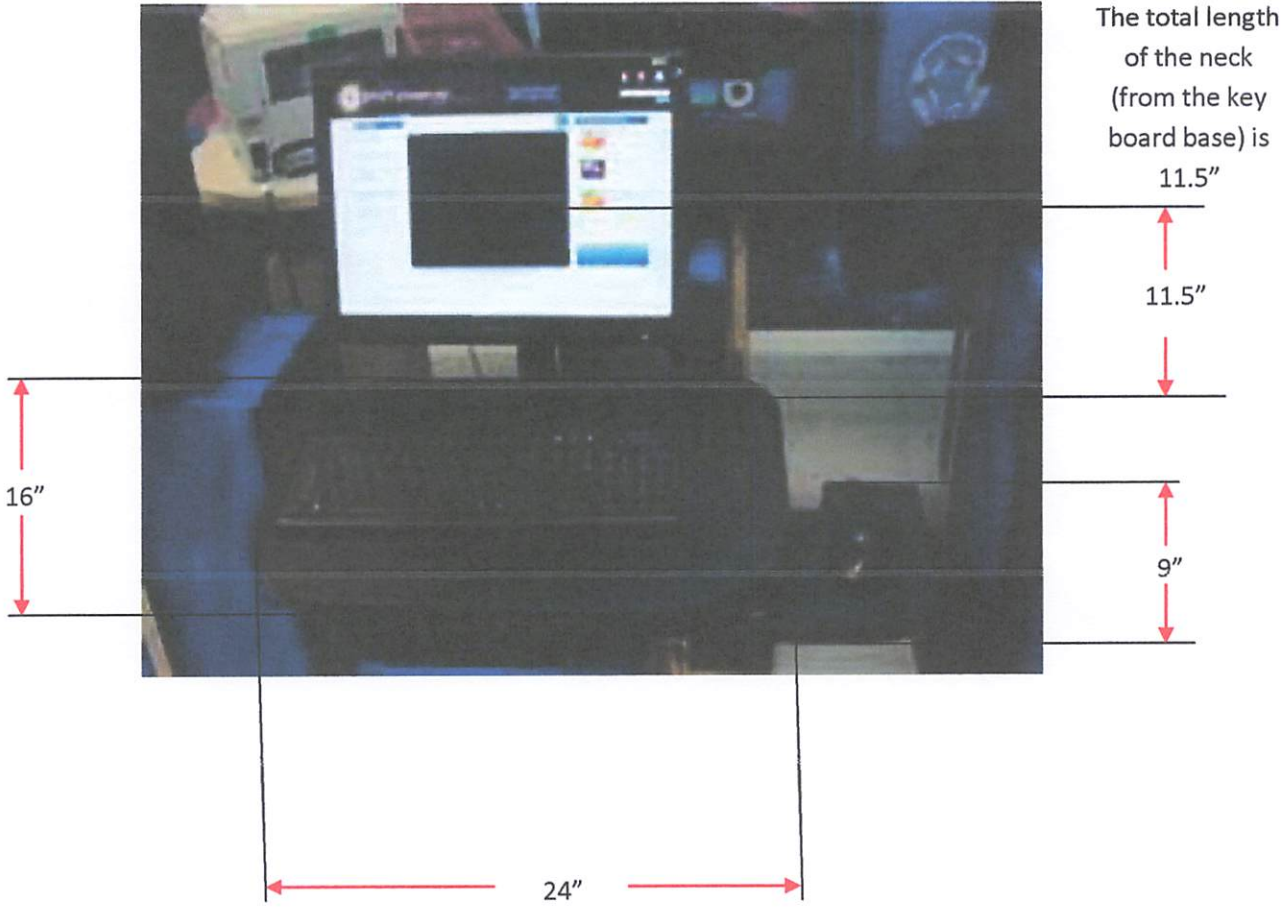
Stainless steel Poles attach the Keyboard panel to the base and holds the CPU compartment

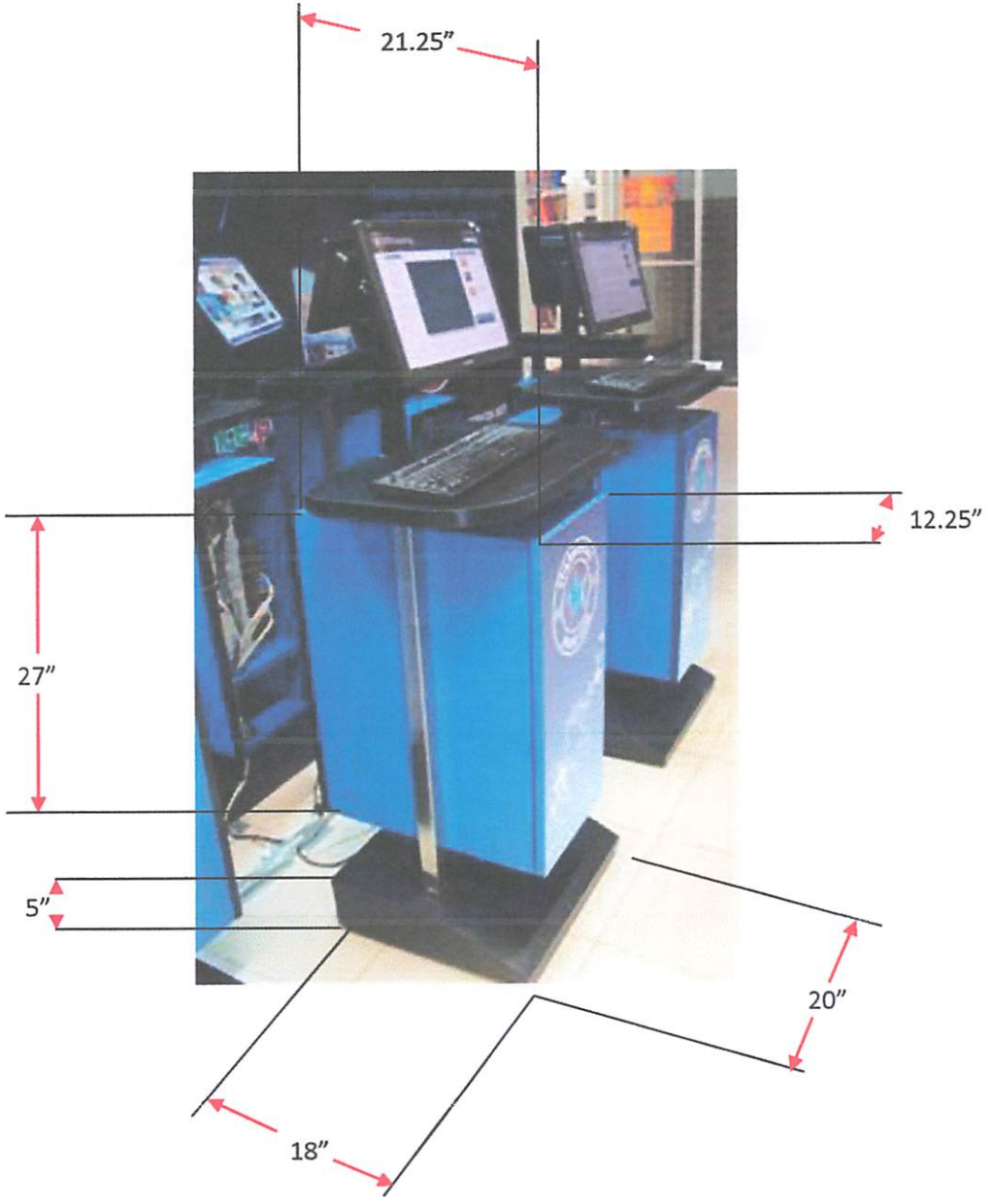
CPU compartment



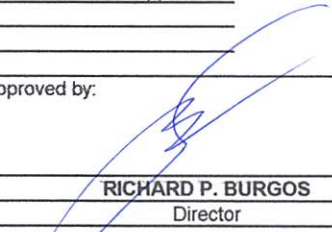


The total length of the steel bar is 34".
From the keyboard base to top of cabinet is 3.5". From bottom of cabinet to top of base is 4.5"







	Republic of the Philippines SCIENCE AND TECHNOLOGY INFORMATION INSTITUTE STII Building, DOST Complex, Bicutan, Taguig City				
	PURCHASE REQUEST				
Entity Name: <u>DOST-STII</u>		Fund Cluster: <u>BPI Foundation Inc.</u>			
Office/Section: <u>IRAD/STARBOOKS</u>		PR No.: <u>2023-12-0763</u> Responsibility Center Code: _____		Date: <u>19-Dec-23</u>	
Stock/Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
	Unit	Desktop Computer Set	30	45,000.00	1,350,000.00
	Unit	STARBOOKS Pod	30	20,000.00	600,000.00
	Unit	Wifi Router	30	5,000.00	150,000.00
		Attached Approved Technical Specification			
GRAND TOTAL					2,100,000.00
Purpose: <u>For the Deployment of STARBOOKS in 30 Selected Last Mile Schools in the Philippines</u>					
Requested by: _____			Approved by: _____		
Signature: 					
Printed Name: <u>ALAN C. TAULE</u>		<u>RICHARD P. BURGOS</u>			
Designation: <u>IRAD Chief</u>		<u>Director</u>			