

## **BATAAN PENINSULA STATE UNIVERSITY**

City of Balanga 2100 Bataan PHILIPPINES

			PUR	CHASE ORDER					
Supplier: OMNIFAB, INC.		P.O. No. PB2021-12-015			P.R No. CO2021-11-03				
Supplier.		OWINIFAB, INC.	Date:	Date:			December 17, 2021		
Address:	131 Mezzai	nine Flr., 7th Ave., Grace Park, Caloocan City	Mode of I	Mode of Procurement:			Public Bidding		
		PMO/ End- User:	BPSU CENTRAL OFFICE - DR3A	M-RDO	Posted (per Fund) by:	CE-DOST III	14.21 Bamboo		
Gentleme		this office the following extistes out	ingt to the t	arms and conditions contained bereit					
		Supply Office, BPSU-Central Office	Delivery T	erms and conditions contained herein	The same of the sa	Calendar Days (upon commencement date			
Place of Delivery: Date of Delivery:		Supply Office, Br 30-central Office			specified on NTP)				
Stock/			Payment Term:			11-11-0-1			
Property No.:	Unit	Continuous Carbon Fiber 3D Printe	Description		Quantity	1,749,000.00		49,000.00	
		reinforcement Build Size: at least 300 (width) x 100 (dept Layer Height: 100 Micron or better Slicing Software: With Cloud control and T Nozzle System: Dual Extruder, out of plast Print System: 2 Nozzles - One for Base M Power Requirements:100–240 VAC, 150 V Printing Materials: Base Filaments - Nylon print other materials) Reinforcement Fiber - Carbon Fiber, Fiber Print Bed: Kinematic coupling — flat to wit The print bed must use kinematic coupling pausing and removal of bed mid-print. Material Ter Aluminum) Material Tensile Modulus: 60 GPa (26.9x / Infill: Closed cell infill: multiple geometries The print bed has the ability to be decoupling middle of a print A fiber cutting blade must be integrated ins	th) x 100 mm (Invo-factor authoritic detection aterial and One N (2 A peak), and Nylon with glass, High Stribin 160 micron of the provide preside Strength:  ABS, 0.87x 606 available ed and recouple side the print horints, Fibre must be preside the print horints, Fibre must be president for the print horints, Fibre must be president for the prints of the	entication  a for Reinforcement Material  th Chopped Carbon Fiber (preferably, able to rength High Temperature Fiberglass, Kevlar  cision and certainty of location, enabling  800 MPa (25.8x ABS, 2.6x 6061-T6  81-T6 Aluminum)  ded with 10 microns repeatability during the ead and controlled automatically by software. It be able to be placed in a wall with 2.8mm be able to turn the fiber direction and lay  tion without changing the print head or  Spatula, 1 Unit Print Bed least 750cc per spool)  S Reinforcement  Program to become Certified Expert in entication					
						Sub Total		,000.00	
for every of	day of delay	In case of failure to make the full delivered in the undelivered in th		ours  GREGORIO J.  University  (Authorize	RODIS, Presiden	PH. D.	ent		
	vailable:    IZEL JAN	E PEREZ - DELA ROSA Accountant IV Head of the Accounting Division/Unit		ORS/BURS No.: Date of the ORS/BURS No.:  Amount:					
	7-7			Page 1 of 4					



## BATAAN PENINSULA STATE UNIVERSITY

City of Balanga 2100 Bataan PHILIPPINES

			PUR	CHASE ORDER					
Compliant	OMNIFAB, INC.		P.O. No. PB2021-12-015			P.R No.	CO2021-1	1-0399	
Supplier:			Date:			December 17, 2021			
Address:	131 Mezzai	nine Flr., 7th Ave., Grace Park, Caloocan City	Mode of Procurement:			Public Bidding			
TIN:	TIN: 008-995-306-000		PMO/ End- User:	BPSU CENTRAL OFFICE - DR3AM-I		Posted (per Fund) by:	CF-DOST III E	14.21 Bamboo	
Gentleme Plea		this office the following articles sub	piect to the te	erms and conditions contained herein					
Place of I		Supply Office, BPSU-Central Office				Calendar Days (upon commencement date			
Date of D	elivery:		Payment Term:			specified o	n NTP)		
Stock/ Property	Unit		n	Quantity	Unit Cost				
No.:		using TLS. HTTPS is required for all service applications. Additionally, part files are pro Amazon Web Services (AWS) Simple Stor AES-256. Vendors must implement controdeletion of encryption keys. All print files is details about the part geometry, orientation files transferred from software to printers be The slicing software provides users with the additional security. The 2FA utilizes time-busing well known 2FA apps like Google Ausalted, and stored using AWS Cognito, who The software development lifecycle (SDLC) testing before each deployment. Several presting prior to releasing any code to produvhich allows customers to immediately be bug fixes.  The 3D printing software must be able to informat The 3D printing software must be able to inthickness, infill type and material choice The software must be able to can be manipulated. Other Inclusions: Certificate of Distributorship: Attached Cer Philippine Distributor/Reseller. Training Avamanufacturer's certified trainer. Training Avamanufacturer's certified trainer. Training Avamanufacturer's certified After-Sales Suppolier has the capability to do after sales supplier has the capability to do after sales.	stem (ISMS), is and availability it is clients' inte 40-2 compliant over continuous cont	to appropriately (CIA) of the manufacturers information illectual property. Lencryption standards. All data is in transit endors's public website and cloud a encryption at rest by encrypting the call buckets where part files are stored using ely limit the creation, storage, usage, and are formatted as encrypted format. containing material layout. This means that encrypted torage devices are secured via encryption. able two-factor authentication (2FA) for passwords (TOTP) and can be configured Authy. User passwords are securely hashed, as SRP protocol. Intual code reviews and automated integration ronments are used for quality assurance and utilizes a continuous deployment model, functionality, vulnerability remediation, and  als from any major CAD software in STL  the grity checking for 3D printing throl the printing parameters, including layer consumables usage during preprocessing of a cost of each part during preprocessing of					
for every		n case of failure to make the full deliverent shall be imposed on the undelivere		he time specified above, a penalty of o	ne-tenth (	1/10) of one perc	ent		
,	, acidy	sood on the underlyone	Very truly y	ours					
Conforme	<del>f</del> r	Grature over printed name) Date  2 28 1021		GREGORIO . University (Authorized	Presiden				
Fund Clu Funds Av	vailable:	CF-DOST III Bamboo		ORS/BURS No.: Date of the ORS/BURS No.:					
	1	E PEREZ - DELA ROSA Accountant IV Head of the Accounting Division/Unit		Amount:					
				Page 2 of 4					



## BATAAN PENINSULA STATE UNIVERSITY City of Balanga 2100 Bataan PHILIPPINES

			PUF	RCHASE ORDER					
Cumplion	OMNIEAD INC		P.O. No.	P.O. No. PB2021-12-015		P.R No.	CO2021-	11-0	1399
Supplier:	OMNIFAB, INC.		Date:			December 17, 2021			-
Address:	131 Mez	zanine Flr., 7th Ave., Grace Park, Caloocan City				Public Bio	Idina	+	
TIN:			PMO/ End- User:	PMO/ End- BPSU CENTRAL OFFICE - DR3AM-PDO		Posted (per Fund) by:	472.	14.	0-1
Gentleme			11 200 La	2000		1 0110/29:	CF-DOST I	I Ban	nboo
		this office the following articles subject to						$\perp$	
Place of		Supply Office, BPSU-Central Office	Delivery Te		60 Calendar Day	s (upon commence	ment date spec	ified o	on NTP)
Date of D			Payment T	erm:					
Property No.:	Unit		escription		Quantity	Unit Cost			
		Large Format 3D Printer Offer Brand:  SPECIFICATIONS: Technology: Fused Deposition Modeling Build Size: at least 1000 x 1000 x 1000 r Filaments Size: 1.75 mm, Open Source Extruder: Dual Print Head Layer Height: 50-800 Micron or better Nozzle Diameter Available: 0.4, 0.6 & 0. Enclosure: Fully Enclosed made of 3mm Printer Controller: 7-inch touchscreen — Connectivity: WiFi web access for remot users to upload print files directly from the System: Linear guide rails Position accuracy: X-10 Micron, Y-10 Mi Print speed — Normal quality 60 mm/sec Print Bed; heated, Tempered Glass Max temperature: 120 degree Celcius, Coftware: Open source Duet RepRap fir allowing numerous configurations and explanment Run-Out Sensor — The filament when the filament has been used up. Open Filament — Any filament from any Set 3D Printer Kit -USB Cable, Gluestick 1 Unit Print Bed with tempered glass, 1 set Caster Wheels, 1 Seat Simplyfied 3 Spool 1kg ABS Filament, 3 Spool 1kg English Manual Secondary printhead	8 mm brass of black Alumi integrated with the control from the control fro	Volcano nozzles inum Composite Panels (ACP) 3D ith the controller meither mobile or UNIT allowing ion SD cards UNIT and USB Motion Micron nm/sec, Calculated for 0.4 nozzle.  Justo Bed Leveling leading firmware for 3D printing ration using the macro system. Juston sensor will pause the print job one used. PACKAGE INCLUSION: 1, Spatula osure Kit Software	1	987,400.00	,	<b>387,</b> 4	400.00
		Other Inclusions: Certificate of Distributorship: Attached C manufacturer or Philippine Distributor/Re Training Availability: Attached training ce trainer. Training and Installation: 2 days onsite tr Warranty: 12 Months warranty for parts After Sale Support: Attached After-Sales that the supplier has the capability to do Attached certification of parts availability Delivery Lead Time: Onsite delivery, inst Within 60 Days upon received of Notice	eseller. ertificate provening and irrand service Support cerafter sales sissued by the allation, and to Proceed	rided by manufacturer's certified  Installation for at least 2 personnel.  Itificate issued by the manufacturer upport after warranty.  It manufacturer for the project.	one-tenth (1/10)	Sub Total	98	37,4	00.00
for every d	lay of delay	shall be imposed on the undelivered item	s.	and aline specified above, a penalty of	/ (1/10)	or one percent			
Conforme -		ANGENDUE Com (No. (Signature over printed name) Date (129 102)	Very truly yo	GREGORIC Unive	D. RODIS, President horized Official)	PH. D.			
Fund Clus		CF-DQST III Bamboo		ORS/BURS No.:					
Funds Av	EIZEL JA	ANE PEREZ - DELA ROSA Accountant IV nt/ Head of the Accounting Division/Unit		Date of the ORS/BURS No.:  Amount:					
				Page 3 of 4				+	



## BATAAN PENINSULA STATE UNIVERSITY City of Balanga 2100 Bataan PHILIPPINES

			PUR	CHASE UKDEK				
Compliant		OMNIEAD INC	P.O. No. PB2021-12-015			P.R No.	CO2021-11-0399	
Supplier:		OMNIFAB, INC.	Date:	Date		December 17, 2021		
Address:	131 Mez	zanine Fir., 7th Ave., Grace Park, Caloocan City	-	Procurement:		Public Bidding		
TIN:		008-995-306-000 PMO/ End- User: BPSU CENTRAL OFFICE - DR			3AM-RDO	Posted (per Fund) by:	OE-DOST III Bamboo	
Gentleme		this office the following articles subject to	the terms of	nd conditions contained herein				
Place of D		Supply Office, BPSU-Central Office	Delivery Te		60 Calendar Da	vs (unon commencen	nent date specified on NTP)	
Date of D			Payment To		oo oulondar bu	ys (upon commencem	ioni date specified on MTP)	
Stock/ Property No.:	Unit	D	escription		Quantity	Unit Cost		
3		Fiber Composite material (filament) - fibers; 1.75mm (at least 750cc per spo	engineering ool) Offer Br	nylon and chopped carbon and: Markforged, Onyx Filament	5	18,000.00	90,000.00	
4	3D printing filament for large format printer; W Breakdown of material types: Offer Brand: eSt - ABS material - 12 spools - PLA material - 12 spools - TPU material - 3 spools - PETG material - 3 spools			Filaments	30	1,670.00	50,100.00	
		(Please refer to official bid						
		(Refer to Technical Specifications/	Brochures/E	BOQ for detailed specifications)				
		**** Noth	ning Follows	****				
						Sub Total	140,100.00	
		Two Million Eight Hundred Seven				Grand Total	2,876,500.00	
or every d	ay of delay	y shall be imposed on the undelivered item	Very truly yo	the time specified above, a penalty of	one-tenth (1/10	l) of one percent		
Conforme		ANGELIBLIE OCAMPO	-	Unive	O J. RODIS, I ersity President horized Official)			
		(Signature over printed name) Date 12 28 120						
Fund Clus Funds Av	ailable	CF-DOST III Bamboo		ORS/BURS No.: Date of the ORS/BURS No.:				
		Accountant IV ant/ Head of the Accounting Division/Unit		Amount :				
				Page 4 of 4				