



Republic of the Philippines
 Department of Science and Technology
PHILIPPINE SCIENCE HIGH SCHOOL MIMAROPA REGION CAMPUS
BIDS AND AWARD COMMITTEE (BAC)
 Rizal, Odiongan, Romblon
 Mobile No. 09278866315 / 09398172212

Supplemental/Bid Bulletin

ADDENDUM NO. 1

This Addendum No. 1 is issued to modify/amend items in the Bidding Documents. This shall form an integral part of the Bidding Documents, to wit:

Particulars	Reference	Amendment/Addendum
1. Additional Eligibility and Technical Requirements	<ul style="list-style-type: none"> PBD. Page 21. Additional Requirements 	<p>13.a Additional Requirements</p> <p>Authorized Representative must present;</p> <p style="text-align: center;">1. Authorization letter / Special Power of Attorney 2. Letter of Intent</p> <p>Note: Non – compliance of the additional requirements shall not be subjected for the failure or disqualification of the Prospective bidder. These requirements are for the compliance for the statutory and regulatory documents.</p>
2. Revision on Delivery Schedule	<ul style="list-style-type: none"> PBD. Page 6. ITB PBD. Page 66. Section VI. Schedule of Requirements 	<p>Delivery of the Goods is required within 60 Calendar days after the receipt of purchase order/notice of award.</p> <p>All items included in the notice of award or purchase order must be delivered within 60 calendar days after the receipt of the notice of award or purchase order.</p>
3. Revision of Project Title	<ul style="list-style-type: none"> PBD Procurement of Technical and Scientific Equipment – 3D 	<p>Procurement of Technical and Scientific Equipment – High End 3D Printer (Supply and Delivery)</p>

	Printer (Supply and Delivery)	
4. Revision of Venue for Bid Opening	<ul style="list-style-type: none"> PBD. Philippine Science High School – Main Campus, Office of the Executive Director, Agham Road, Diliman, Quezon City. 	<i>Philippine Science High School System, Office of the Executive Director-Training Room, Agham Road, Diliman, Quezon City</i>
5. Revision of Technical Specification for High End 3D Printer	<ul style="list-style-type: none"> PBD. Page 68. Technical Specifications 	Please see details below:

Technology:	Fused Filament Fabrication Continuous Filament Fabrication
Process	Continuous Fiber Reinforced Plastics
Build Volume:	at least 320 x 132 x 154 mm or better
Weight:	16 kg (35 lbs)
Machine Footprint:	584 x 330 x 355 mm (23 x 13 x 14 in)
Print Bed:	Flat to within 160 um - Kinematic coupling
Layer Height:	100um default, 200um maximum
Z Layer Resolution:	100 µm (Microns) or better
Infill:	Closed Cell Infill: Multiple geometries available
Part Properties:	Ultimate Tensile Strength: 700 MPa (22.6x ABS, 19.4x Onyx)
Max Flexural Stiffness:	At least 50 GPa (24.8x ABS, 17.6x Onyx)
Power:	100-240VAC, 150W (2A peak)
Plastic Available:	Onyx - Engineering Grade Thermoplastic - 1.4 GPa Tensile Modulus - 36 MPa Tensile Stress at Yield - 25 % Tensile Strain at Yield - 30 MPa Tensile Stress at Break - 58 % Tensile Strain at Break - 81 Mpa Flexural Strength - 2.9 Gpa Flexural Modulus - 145°C Heat Deflection Temp - 330(J/m) Izod Impact - notched - 1.2 (g/cm3) Density
Fibers Available:	1. Fiberglass - Reinforced Fiber Strength - 210 Mpa Flexural Strength - 22 Gpa Flexural Stiffness 2. Carbon Fiber - Aluminum Strength, Half the weight - 470 Mpa Flexural Strength - 51 Gpa Flexural Stiffness 3. Kevlar - Lightweight, Durable and Strong - 190 Mpa Flexural Strength - 26 Gpa Flexural Stiffness 4. HSHT Fiberglass - Strength at High

	- 420 Mpa Flexural Strength - 21 Gpa Flexural Stiffness
Connectivity:	Wi-Fi, Ethernet, USB Flash Drive
Supported Files:	.STL or more
Machine Features	
Media Cartridge:	Plastic Composite Filament Continuous Composite Filament
Internal Part Geometry:	Closed Cell Triangular Infill, Closed Cell Hexagonal Infill
Features and Functionality:	- Dual, Quick Change Extruders/Nozzles - Pause/Resume Prints - Anodized Aluminum Unibody Chassis - Kinematically Coupled Build Platform - Draft Blocking Enclosure - Cloud-based Interface (Premise-based version available)
Initial Accessories & Supplies Included	3 Unit FFF quick-change nozzle 3 Unit CFF quick-change nozzle 1 Unit True Bed Build Plate 4 spools of Onyx Spool 5 spools of Carbon Fiber 4 spools of Fiberglass 4 spools of Kevlar 1 spool HSHT Fiberglass
Special Condition	2-3 day(s) onsite training for personnel. Training will be provided by a certified Trainor. Training certificate from the manufacturer should be attached. Bidders must have Certificate as an Authorized distributor in the Philippines
Warranty:	At least 24 Months on parts and service
Delivery:	Delivery Cost must be Included

The said amendment is posted and available for download at our Website (<http://mrc.pshs.edu.ph/>) and in the PhilGEPs Website posting under bid supplement.

For guidance and information of all concerned.

Very truly yours,


MERIAM F. FALLAR
PSHS-MRC
BAC Chairperson

Received by the bidder:

Date: