

UNIVERSITY OF THE PHILIPPINES MANILA  
The Health Sciences Center  
**BIDS AND AWARDS COMMITTEE 3**

**Bid Bulletin No. 2**  
19 September 2022

(Note: This Bid Bulletin No. 2 Supersedes Bid Bulletin No. 1 posted on 16 September 2022)

Project Title: **Supply of Various Plastinated Models for the project “Optimizing Simulation-Based Education (SBE), Training Collaboration and Research: A Focus on Technology-Driven Teaching and Learning Strategies 3.”**  
(PR No. 18043)

Notice is hereby given to all interested suppliers/prospective bidders of the following amendments/modifications in the bidding documents for the above cited project:

Particular	From	To
<b>On Section VI. Schedule Requirements</b>	<ul style="list-style-type: none"> <li>- <b>5. Brain and the Spinal Cord (N002) anteriority dissected</b></li> <li>- <b>16. Deep muscles of the upper extremity</b></li> <li>- <b>17. Horizontal Section of the Whole Brain (N012) 10-12 Axel cuts</b></li> <li>- <b>19. Horizontal section of the Whole Brain (N015) 10-12 Coronal cuts</b></li> <li>- <b>31. The Spinal Cord (N004) posteriority dissected</b></li> </ul>	<ul style="list-style-type: none"> <li>- <b>5. Brain and the Spinal Cord anteriorly dissected</b></li> <li>- <b>16. Superficial Comprehensive Dissection of Lower Extremity</b></li> <li>- <b>17. Horizontal Section of the Whole Brain 10-12 Axial cuts</b></li> <li>- <b>19. Horizontal section of the Whole Brain 10-12 Coronal cuts</b></li> <li>- <b>31. The Spinal Cord posteriorly dissected</b></li> </ul>
<b>On Technical Specifications</b>	<ul style="list-style-type: none"> <li>• <b>Superficial muscle of the Lower extremity</b></li> <li>- Plantar aspect of the foot completely and fully dissected</li> <li>• <b>Deep muscles of the lower extremity</b></li> <li>- Show the correlation of the neurovascular structures related to the deep and superficial muscles</li> <li>• <b>Deep comprehensive dissection of the lower extremity</b></li> <li>- Shows the deeper lavel of the plantar aspect of the foot</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Superficial muscle of the Lower extremity (Male)</b></li> <li>- Plantar aspect of the foot completely and fully dissected</li> <li>• <b>Superficial Comprehensive Dissection of Lower Extremity (Female)</b></li> <li>- Show the correlation of the neurovascular structures related to the deep and superficial muscles</li> <li>• <b>Deep comprehensive dissection of the lower extremity (Female)</b></li> <li>- Shows the deeper lavel of the plantar aspect of the foot</li> </ul>

<p><b>On Terms and Conditions</b></p>	<ul style="list-style-type: none"> <li>• <b>Whole viscera in situ</b> <ul style="list-style-type: none"> <li>- In situ dissection showing all viscera of thoracic and abdominal cavity up to the genital system whether specimen is male or female</li> </ul> </li> <li>• <b>Nasopharyngeal connection to the whole respiratory system</b></li> <li>• <b>Arteries of the posterior wall of the trunk</b> <ul style="list-style-type: none"> <li>- Should show in detail external genitalia if specimen is a male or a female</li> </ul> </li> <li>• <b>Abdominal artery and its branches</b> <ul style="list-style-type: none"> <li>- Should show in detail external genitalia if specimen is a male or a female</li> </ul> </li> <li>• <b>Inferior vena cava and its branches</b> <ul style="list-style-type: none"> <li>- Should show in detail external genitalia if specimen is male or female</li> </ul> </li> <li>• <b>Brain and the Spinal Cord (N002) anteriority dissected</b></li> <li>• <b>The Spinal Cord (N004) posteriority dissected</b></li> <li>• <b>Horizontal Section of the Whole Brain (N012) 10-12 Axel cuts</b></li> <li>• <b>Horizontal section of the Whole Brain (N015) 10-12 Coronal cuts</b></li> <li>- <b>The lowest calculated bidder should submit / present a sample during the post-qualification</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Whole viscera in situ (Male)</b> <ul style="list-style-type: none"> <li>- In situ dissection showing all viscera of thoracic and abdominal cavity up to the genital system</li> </ul> </li> <li>• <b>Nasopharyngeal connection to the whole respiratory system (General Arrangement of Respiratory System)</b></li> <li>• <b>Arteries of the posterior wall of the trunk (Male)</b> <ul style="list-style-type: none"> <li>- Should show in detail external genitalia if specimen is male</li> </ul> </li> <li>• <b>Abdominal artery and its branches (Female)</b> <ul style="list-style-type: none"> <li>- Should show in detail external genitalia if specimen is female</li> </ul> </li> <li>• <b>Inferior vena cava and its branches (Female)</b> <ul style="list-style-type: none"> <li>- Should show in detail external genitalia if specimen is female</li> </ul> </li> <li>• <b>Brain and the Spinal Cord anteriorly dissected</b></li> <li>• <b>The Spinal Cord posteriorly dissected</b></li> <li>• <b>Horizontal Section of the Whole Brain 10-12 Axial cuts</b></li> <li>• <b>Horizontal section of the Whole Brain 10-12 Coronal cuts</b></li> <li>- <b>The lowest calculated bidder should submit sample of Whole Body Plastinate OR should coordinate visits with facilities where they have supplied similar plastinates within the last 2 years during post-qualification</b></li> </ul>
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<b>Additional Terms and Reference</b>	<b>NONE</b>	<b>Please see attached additional terms and reference submitted by the end-users.</b>
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2. All the other specifications, terms and conditions remain the same.
3. This is posted at PhilGEPS [www.philgeps.gov.ph](http://www.philgeps.gov.ph)

For guidance and information of all concerned.



**TRISTAN NATHANIEL C. RAMOS, DDM, MPH**  
Chair

**Terms of Reference for Plastinated Specimen**  
**(General as it pertains to all specimens)**

1. Preservation of the human body in whole, region, or parts using specialized silicone compound or its equivalent which we shall refer to as **Plastinates** or **Plastinated Specimen**.
2. Plastinates should have been meticulously and cleanly dissected to reveal specific anatomical structures requested for that specific whole body model, region, or part.
  - 2.1 Muscular planes should be devoid of perimysium to clearly reveal muscular bundles
  - 2.2 Neurovascular bundles should have been neatly dissected devoid of fat and connective tissues to show the arteries, veins and nerve separately.
  - 2.3 All hollow viscus organs (heart, lungs, stomach, intestines, bladder, etc.) should be clean and devoid of debris
  - 2.4 Tissue/Organ system should not be twisted, distorted, deformed, collapsed, compressed, or contorted
3. Plastinates should assume a **“life-like” natural color**
  - 3.1 Specimen should not be pale, dull, and monochromatic
  - 3.2 Muscle/fascia/tendons/ligaments should assume its natural color or has been properly colorized
  - 3.3 Blood vessels preferably pigmented/colorized to differentiate arteries from veins
  - 3.4 Other organ/tissues and glands should be presented in its natural color
4. Plastinates should be **dry**
  - 4.1 Specimen should be completely dry to touch
  - 4.2 Specimen should not be tacky, sticky, gluey, gooey, wet, gummy, syrupy
  - 4.3 Specimen should not be exude/bleed/perspire any oil/polymer/silicone/liquid compound
5. Plastinates should be **odorless**
  - 5.1 Specimen should not emit any odor in open space or when stored in containers
6. Plastinates should be **non-toxic**
  - 6.1 Specimen should not produce allergic reaction or manifestations to the eyes, nose, throat, and skin
  - 6.2 Specimen should not mar/react to fabric/clothings, furniture surfaces, and office equipment
7. Distributor/Supplier should replace specimens that will not conform with **numbers 4, 5, and 6** when these conditions are observed on the specimen after some period of time
8. Plastinates should be **portable**
  - 8.1 Specimen should not be shackled to heavy, cumbersome stands/support/frames
9. Plastinates should maintain 3-Dimensional character of the whole body specimen, regions, or parts in its original form
10. Plastinates with hollow viscus organs (heart, lungs, stomach, intestines, bladder, etc.) should be in its natural inflated form
11. The Plastinates can be stored in free air, indefinitely, as long as the relative humidity of the air ranges below 60% and the temperature ranges between +20 °C to +39° C.
12. The distributor/supplier should be able to render thorough inspection and preventive maintenance services for at least 5 years.
13. The distributor/supplier should be able to render repair services to specimen that are damaged.