



CAMPUS PLANNING, DEVELOPMENT & MAINTENANCE OFFICE

UNIVERSITY OF THE PHILIPPINES MANILA

The Health Sciences Center

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CPDMO10001268



REFERENCE NO. : **WD225NPG02032017**

PROJECT TITLE : **SUPPLY AND INSTALLATION OF LABORATORY FURNITURE**
Geology Room; RH 113 &115,
Ground Floor, Rizal Hall
College of Arts and Science
University of the Philippines Manila

SUBJECT : **SCOPE OF WORKS AND SPECIFICATIONS**

Division 1 - General

Section 01000 General Requirements

1. The Supplier shall furnish all materials, equipment, tools, apparatus, appliances, accessories, transportation, labor and supervision required for the complete supply and installation of the subject project, as shown on the drawings and called for in these specifications, ready for use.
2. All Suppliers submitting proposal for this project shall first examine the site. All proposals shall take into consideration all such conditions that may affect the work under this contract. The specifications and plans shall form part as one. Anything mentioned on plans and not mentioned on the scope of work and specifications and vice versa shall be properly consulted to the CPDMO Project Architect/Engineer for clarification. Any work or materials not in accordance with the drawings or specifications shall be replaced with new at the Supplier's / Contractor's expense.
3. The Supplier shall coordinate his work with all parties to ensure proper phasing or schedule of works and delivery.
4. A logbook shall be available at the site. It shall contain the daily activities in the site, including weather condition, delivery, manpower and other matter pertaining to the condition of the project. It will also serve as data for Supplier/Contractor and the Project Inspector.
5. Identification Card of construction workers and engineer/representative shall be supplied by CPDMO with corresponding fees; it should be worn at all times while inside the building/campus premises. Those without IDs shall not be allowed to enter the premises for security purposes.
6. No alteration or additional work that will result in an additive or deductive cost change from the Contract shall be allowed without the approval of the chancellor.

SUPPLY AND INSTALLATION OF LABORATORY FURNITURE
GEOLOGY ROOM, RH 113 &115
SCOPE OF WORKS AND SPECIFICATIONS

Leonora Paras
OVCA, UP Manila

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7. Complete specifications with product sample shall be submitted by the Supplier to CPDMO and end-user for evaluation. Inspection of the Project Architect/Engineer in-charge shall be required prior to installation of any item/material on the construction.
8. Regular coordination meeting shall be conducted with CPDMO, Supplier and End-user for proper project monitoring.
9. After completion of all works, the Supplier shall promptly remove from the premises all rubbish, trash, debris, and all superfluous building materials and restore all areas that were damaged as affected by the installation works and leave the site clean to the satisfaction of the Project Inspector or his representative and End-user.
10. All materials removed from the unit shall be properly documented prior to turn-over to the End-user for proper safe keeping.

Division 2 – Site Construction

Section 02200 Site Preparation

Mobilization / Demobilization

- This work includes mobilization process, provision for warning signs, including barricades, temporary facilities, temporary fences, warning lights and similar safeguards shall be provided by the Supplier as they are required for protection of his manpower and others during the construction life of this project.
- Demobilization procedure shall include clearing of the affected areas from all rubbish, trash, debris, and all superfluous building materials and restore all areas that were damaged as affected by the works and leave the site clean to the satisfaction of the Project Inspector or his representative and End-user.

Section 02290 Site Monitoring

- Site monitoring shall be a must to the supplier for the effective implementation of the project. Any discrepancies on plans and actual site conditions shall be properly coordinated with the Project Architect/Engineer concerned for verification.
- Regular coordination meeting shall be done between the supplier or its representative and the Project Architect/Engineer concerned at CPDMO.

Section 02230 Site Clearing

- Clear the area from all obstructions or as affected by the supply and installation works, except those structures indicated on the drawings or designated by the Project Architect/Engineer to be left standing. It shall

be properly protected from incidental damage due to supply and installation works by the erection of suitable barriers upon approval of the Project Architect/Engineer.

Section 02500 Utility Services

Utility Service/Consumption

- Provision of electric and water meter shall be included in the quotation to be charged to the Supplier's/Contractor's overhead. All utility consumption shall be provided with meters to limit the usage of such during working period. Payments of bills shall be made thru the Cashiers Office after the renovation period presenting the statement of account issued by Accounting upon recommendation of the Chief of CPDMO.

Division 12 – Furnishings

Section 12300 Manufactured Casework

General

All casework shall be of modern design and constructed in accordance with the best practices of the wood laboratory furniture industry. Construction and design will result in "built-in" installations of cabinetry that have the appearance of flush overlay construction without protuberances.

Standard Material Specifications

a. Laboratory Table with Sink:

1. Components fabricated from T304 stainless steel sheet, (T316 stainless steel) conforming to ASTM A240. All exposed surfaces polished to a No.4 brushed satin finish. (150/180 grit)
2. Countertops, work surfaces, and sinks are fabricated from #16 gauge T304 stainless steel, ASTM 240, with a No. 4 brushed satin finish, all corners are coved with a 3/4 in. radius.
3. Under sides of countertops and work surfaces are sound deadened.
4. Exterior of sinks are sound deadened where unexposed within casework.
5. Exposed stainless steel sink bowls are polished on exposed sides, and sound deadened on bottom.
6. Sinks are furnished with stainless steel basket drain and 1 1/2" X 4" tailpiece as an option.
7. NSF rated sound deadening is available
8. Legs are either 1 5/8" round or 2" square #16 gauge T304 stainless steel tubing with the same No. 4 brushed satin finish.
9. Wall Bracket supports are #14 gauge T304 stainless steel with the same No. 4 brushed satin finish.
10. Adjustable footing/plinth of leveler.
11. Stainless grease trap 3gpm minimum capacity, type 304 stainless steel with basket strainer, rubber gasket, sealed type lock. (3-chamber) Dimension: (W) 410 mm x (D) 200 mm x (H)200 mm

12. Gooseneck faucet w/ hand spray. Lever type and Knee / Foot Pedal Valves (Hands-free operation for enhanced sanitation)
13. Dimension: (W) 2600 mm x (D) 700 mm x (H) 1000 mm

b. Tall Case Cabinet:

1. Sliding Powdered Steel Cabinet
2. Cabinet shall have a cleanable smooth interior. Front and rear reinforcing members, and channel shaped uprights shall be enclosed full height.
3. Front face joints fully welded, ground and polished to provide a continuous flat front plane free of crevices.
4. Four (4) adjustable shelves/leveling glides.
5. Adjustable footing/plinth of leveler.
6. Dimension: (W) 1180 mm x (D) 400 mm x (H) 1760 mm
7. Color: Beige

c. Working Table:

1. Worktop: 25mm thk melamine wood grain laminated finish.
2. Leg: Square tubing legs in powder coated finish.
3. Dimension: 1200L x 700D X 750H
4. Adjustable footing/plinth of leveler.
5. Dimension: (W) 1200 mm x (D) 700 mm x (H) 740 mm
6. Color: Beige

d. Staff Chair

1. Mid Back Mesh, with armrest and nylon caster on base, with gas lift.

Fabrication Method

- Top quality cabinetry to be ensured by the use of the proper machinery, tools, dies, and skilled workmanship in accordance with currently established standards of the laboratory furnishings industry. All cabinets and components are to be assembled utilizing jigs and fixtures as necessary to guarantee interchangeability of components between cabinets of like size.

Division 15 – Mechanical

Section 15400 Plumbing System and Fixtures

Scope of Work

- This item shall consist of furnishing all materials, tools, equipment, and fixtures required as shown on the Plans for the satisfactory performance of the entire plumbing system including installation in accordance with the latest edition of the National Plumbing Code, and this Specifications.

Water Line

Material Requirements:

- Use Fusion type system for waterline pipes and fittings, confer to Project Architect. The brand and approved equivalent in conformity with the existing lines.

Application:

- Make the necessary preparation works for the installation of water system on the Specified Laboratory Table with Sink:
- Existing area and lower floor level shall be considered on the chipping works that additional precautionary measures shall be done.
- Ensure proper installation of the system, tap to the nearest water distribution area.
- Testing and commissioning shall be done in the presence of the Engineer and Owner or his representative.
- All restoration and rehabilitation works shall be done on the affected areas to the same features with the existing or as per the required finish.

Sanitary line

Material Requirements:

- Polyvinyl chloride (PVC) pipe and fittings shall be used for sanitary lines

Application:

- Make the necessary preparation works for the installation of sanitary system on the specified area.
- Ensure proper installation of the system, tap to the nearest sewer area.
- Testing and commissioning shall be done in the presence of the Project Architect/Engineer.

• NOTE:

The foregoing list of item of works does not in anyway limit the responsibility of the Supplier to perform all other works necessary for the completion of the project, Supply and Installation of Laboratory Furniture at Geology Room Rizal Hall, College of Arts and Science.

GUARANTEE

The Supplier shall guarantee all works under this contract to be free from any technical, mechanical and electrical defects and shall replace and repair to the satisfaction of the Project Architect / Engineer and/or to the Chief of CPDMO on any part or portion of the work which may fail within **a**

period of one (1) year after the final acceptance of the system provided such failure is due to defects in the material or workmanship.

COMPLETION PERIOD

The Supplier is given **Forty Five (45) Calendar days** to execute the supply of all laboratory furniture including the installation of all system requirements. The Supplier shall coordinate to the CPDMO Inspector and End-users for the schedule of final turn-over and other related job.

Prepared by:


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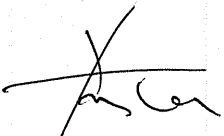

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