



CAMPUS PLANNING, DEVELOPMENT & MAINTENANCE OFFICE

UNIVERSITY OF THE PHILIPPINES MANILA

The Health Sciences Center

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CPDMO



U.P. MANILA

PROJECT TITLE : **CONSTRUCTION OF UP MANILA THEATER (Phase 3)**
Ground Floor, Rizal Hall
College of Arts and Sciences
UNIVERSITY OF THE PHILIPPINES MANILA

SUBJECT : **SCOPE OF WORKS AND SPECIFICATIONS**

Division 1 – General

Section 01000 General Requirements

1. The Contractor shall furnish all materials, equipment, tools, apparatus, appliances, accessories, transportation, labor and supervision required for the complete construction of the subject project, as shown on the drawings and called for in these specifications, ready for use.
2. All Contractors 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 Contractor's expense.
3. The Contractor shall coordinate his work with all parties to ensure proper phasing or schedule of works. The Contractor shall engage under him, a registered Engineer or Architect to supervise his work. He shall remain at all times in the construction site.
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 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 for security purposes.
6. No alteration or addition that will result in an additive or deductive cost change from the contract shall be allowed without the approval of the Chancellor / Vice Chancellor for Administration.
7. Complete specifications with product sample shall be submitted by the contractor to CPDMO for evaluation. Inspection of the Project Architect/Engineer in-charge of CPDMO and End-users shall be required prior to installation of any item/material on the work.

8. Regular coordination meeting shall be conducted with CPDMO, Contractor and End-user for proper project monitoring.
9. Existing condition of the work site shall be documented by the contractor and photos shall be taken before commence of work to ensure such status. Any damage on the areas due to the contractor's on going work shall be refurbished at his expense.
10. The Contractor shall provide a complete copy of "As built plans" of the project/unit concerned which shall include all the civil, architectural, plumbing, electrical and other related layouts in 20" x 30" original sheets. It should be properly drawn indicating all the specifications, layouts, tables and necessary data. An initial layout should be submitted in a B4 sheet for checking and approval of Project Architect/Engineer. Final "As built plans" shall be submitted with soft and hard copies.
11. The Contractor shall promptly remove from the premises all rubbish, trash, debris, and all superfluous building materials weekly. After the completion of all works, restore all areas that were damaged as affected by the construction works and leave the site clean to the satisfaction of the Project Inspector or his representative and End-user.
12. All materials removed from the unit shall be properly documented prior to turn-over to the End-user for proper safe keeping.

Section 01510 Temporary Facilities

- Provide Temporary enclosures/canvass on all areas for building protection. Such coverings shall be adequate enough to cover all the building facilities throughout the span of project.
- Charges for restoration or replacement of any damage facility, equipment, material and the like shall be made on the contractor due to his negligence in providing suitable temporary covering.
- Provide the appropriate scaffoldings, board ups, safety nets and related items to ensure proper installation of all framing system and protection of the area, at the expense of the contractor as its basic equipment.

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 Contractor as they required for protection of his manpower and others during the working life of his project.
- Demobilization procedure shall include clearing o the affected areas from all rubbish, trash, debris, and all superfluous building materials and restore all areas that were damaged as affected by by the works and leave the site clean to the satisfaction of the Project Inspector or his representative and End-user.

Section 02220 Site Demolition

- This work shall include demolition/dismantling of all existing structures, flooring system and walls not necessary on the new features of the theater but shall be coordinated properly with the project architect to ensure the effect and safety of such demolition/dismantling with the adjacent and connecting structures.

Section 02230 Site Clearing

- Clear the area from all obstructions or as affected by the works, except those structures indicated on the drawings or designated by the Project/Engineer and End-users to be left standing. It shall be properly protected from incidental damage due to work by the section of suitable barriers upon approval of the project Architect/Engineer and End-users.
- The Contractor shall be responsible for the accuracy of his work and any necessary chiseling, drilling, coring, cutting and patching or other works required due to plugged or misplaced conduit shall be done at the expense of the Contractor including the restoration on the damaged part of the building finish.

Section 02290 Site Monitoring

- Site Monitoring shall be a must to the contractor 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 contractor or its representative and the project Architect/Engineer concerned at UP CPDMO.

Section 02500 Utility Services

Utility Service/Consumption

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

Division 8 – Doors and Windows

Section 08210 Flush Wood Doors

Scope of Work

- The work covered by this item shall consists of furnishing all fabricated/refurbished door and jambs, equipped with fixing accessories and locking devices in accordance with plan and/or shop drawings and as herein specified.
 - a. Repair and repainting of existing control booth door
 - b. Repair and repainting of existing theater CR doors

Division 9 – Finishes

Section 09250 Gypsum Board

Material

- 12mm thick gypsum board on 76mm metal studs. Submit sample for approval of CPDMO or End-user
- Fastening materials
- Install 2" Rockwool insulation

Application

- Secured them using suitable anchoring method
- Follow plan for the design and layout of the partitions
- Provide all the necessary accessories for proper installation

Section 09500 Ceiling

Scope of Work

- The work covered by this Item shall consist of furnishing all ceiling finishes, equipped with fixing accessories in accordance with Plan and/or shop drawings and as herein specified.

Material Requirement

- Use 12mm thick gypsum boards with groove on metal furring with fixed hanger support with polyester fiber sound trap
- Submit sample for approval of design.

Section 09910 Paints and Coatings

Scope of Works

- This Item shall consist of furnishing all paints, enamels, varnishes and other products to be used including labor, tools and equipment required as shown on the Plans and in accordance with this Specification.

Surface Preparation

- No painting works shall be done under conditions that may jeopardize the quality or appearance of the painting or finishing.
- All surface to receive paint should be cleaned, primed and in proper condition.

Materials

- All painting materials to be used shall be odor-less antibacterial /hygienic protection.
- Submit color scheme to the Project Engineer/Architect in-charge and End-users for approval.

Application

- Painting works for all section, concrete, board and related areas. Topcoat shall be of the approved color by CPDMO and End-user; this may vary from two to three tones.
- Paint when applied by brush shall be non-fluid, thick enough to lay down an adequate film of wet paint. Brush marks shall be flawed out after the application of paint.
- Paints prepared for application by roller must be similar to brushing paint. It must be non-sticky when thinned to spraying viscosity to break up easily into droplets.
- Adequate workmanship shall be done on this part of the finishing works. The Contractor at his expense shall apply additional coating if the painted areas will not be satisfactory to the Project Architect/Engineer and End-users.

Restriction

- Color schemes and other paint material sample required by these specifications and/or by the Project Architect/Engineer and End-users shall be submitted subject for approval by the contractor at his expense.
- After all work have been done, restore and repaint all affected areas due to the installation works or related works to the same color scheme of the area.

Division 10 - Specialties

Section 10520 – Fire Protection Specialties: Fire Alarm System

Scope of Work

- This item shall consist of supply of fire protection system such as installation of smoke/heat detector, fire alarm bell, manual pull station and electrical works with complete accessories including labor, tools, equipment, testing, commissioning, and

the satisfactory performance in undertaking the proper installation of the system as shown on the Plans and in accordance with this Specifications

Material Requirements

- Supply and installation of smoke/ heat detector, fire alarm bell and manual pull station

Division 12 - Furnishing

Section 12500 Furniture

Scope of Work

- This item shall consist of supply of Reception Desk/Counter at Foyer with complete accessories including labor, tools, equipment, and the satisfactory performance as shown on the Plans and in accordance with the Specifications.

Division 16 - Electrical

Workmanship and Materials

- All works shall be done in accordance with the requirements of the latest edition of the Philippine Electrical Code and National Safety Code. Nothing contained in these specifications or shown on the plan shall conflict with the requirements of these Codes, any discrepancies should be consulted to the Project Inspector / Electrical Engineer.
- All materials and equipment to be used and installed hereunder shall be of the approved type bearing the stamp or approval of the proper authorities concerned. Locally made or constructed materials shall first be approved before installation.
- All works shall be done in workmanlike manner and should present a neat and mechanical appearance when completed.

Plans

- The accompanying drawings shall indicate the general arrangement of the equipment, outlets and other works. When it is necessary to deviate from the arrangement indicated on plans in order to meet the structural conditions, such deviation shall be made at the expense of the Contractor and upon approval from the Project Inspector / Electrical Engineer.
- The outlets and circuit breakers shown on the plan are diagrammatic and approximately correct as to location. Minor changes shall be made through the Contractor at his own expense. The exact location of all outlets and switches shall be determined by the Project Inspector/Electrical Engineer and the same shall be located accordingly. The Contractor shall be responsible for the accurate location of all outlets with respect to doors, partitions, water pipes, cabinets and other facilities

Section 16140 Wiring Devices

Submeter

- Kilowatt-hour Meter Microstar Brand, 3 phase, 240 Volts digital, complete with meter base
- Current transformer 200/5
- Current transformer 250/5
- Current transformer 250/5

Wiring Devices

- All wiring devices to be used hereunder shall be new and of approved type. All wall switches shall be top-action quiet-matic type, wide series, bases to be fire-resistant and non-absorptive material. When more than one switches is indicated in the same location, they shall be mounted in gang under a common plate.

- Convenience outlet shall be duplex-type, universal & flush-type with fire-resistant non-absorptive bases, minimum rating of 16 amperes at 250 volts wide series" ROYU".
- Ground Fault Circuit Interrupter (GFCI) Duplex outlet rating at 20ampere 250V Wide Series "ROYU"
- Suitable single pole and heavy-duty switches shall be installed where indicated on the plans. Sample of wiring devices shall be presented for approval. Minor relocations and re-circuiting shall be the liability of the Contractor.
- Following features shall be followed: one gang, one way switch, 2 gang, one way switch, 3 gang, one way switch, one gang three way switch, two gang three way switch, three gang three way switch, duplex flush type convenience outlet universal grounding type, GFCI outlet.

Section 16580 Lighting Fixtures

Lighting Fixtures

- Step Light LED Technology (IP Rating = IP65, Wattage = 1.5W, Voltage = 200V, Beam Angle = 60°, Luminous Flux = 60lm, Color = Black, Model, PCL = 2604 warm white, CRI = >80)
- Pathway Luminaire complete with LED, warm white, 3Watts, 220Volts
- 3.5 mm THHN wire
- 20mm Ø PVC pipe
- 1 x 40W Fluorescent lamp fixtures complete with T12 bulb and electronic ballasts 220Volts, 12" x 48" surface type with aluminum reflector
- 20mm Ø PVC long elbow
- 20mm Ø PVC male threaded adaptor with locknut
- 2" x 4" PVC utility box
- Assorted screws
- G.I. wire
- PVC solvent cement
- Electrical tape

Installation

- All fixtures to be installed shall be provided with support on both ends/side using 3/8" Ø traded/plain bar and grip anchors. G.I. wires will not be permitted.

NOTE

The foregoing list of item of works does not in any way limit the responsibility of the Contractor to perform all other works necessary for the completion of the project, Proposed Renovation of Central Laboratory and Cold Room, **CONSTRUCTION OF UP MANILA THEATER (Phase 3).**

GUARANTEE

The Contractor shall guarantee all works under this contract to be free from any technical 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 Contractor is given **Forty Five (45) calendar days** to execute the renovation works including the installation all system requirements. The Contractor shall coordinate to the CPDMO Inspector and End-users for the schedule of testing of systems and other related job.

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