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REPUBLIC OF THE PHILIPPINES  
**BICOL UNIVERSITY**  
PHYSICAL DEVELOPMENT AND MANAGEMENT OFFICE  
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BAGONG PILIPINAS

**Project Title:** VARIOUS REPAIR WORKS AT BU COLLEGE OF LAW  
**Location:** BU MAIN CAMPUS, LEGAZPI CITY, ALBAY  
**ABC:** Php 1,500,000.00  
**Duration:** 60 Calendar Days

#### SCOPE OF WORKS AND TECHNICAL SPECIFICATIONS

*All works to be undertaken shall be in accordance with the plans and working drawings. It includes the furnishing of all materials, labor and equipment with supervision necessary for the complete construction of the said project.*

*The plans, detailed drawings and this scope of work shall be considered as complementing with each other, so that what is mentioned or shown on one, although not mentioned or shown in another, shall be considered as appearing in both. In case of conflict between the two, the same should be referred to the designing Architect/Engineer.*

#### ITEMS OF WORK INCLUDED :

##### I. GENERAL REQUIREMENTS

1.00 lot ✓

This item of work includes the fabrication and installation of Project Sign Boards, Temporary Utilities, Stock Room and Enclosure, Mobilization/Demobilization and the provisions for the Construction Safety and Health Program. This also includes the 2 months of Water & Electrical Power Consumption.

For Project Sign Boards, use Tarpaulin (4' x 8') with frame made of Coco Lumber and Ordinary Plywood (1/2" x 1.2m x 2.44m). Use assorted common nails as fastener.

##### II. SITE WORKS

1.00 lot ✓

This item of work includes the following site works:

A. Clearing and cleaning of site before and after construction	1.00 lot ✓
1 Foreman	3.00 days ✓
2 Laborer	3.00 days ✓
B. Surface Preparation for Painting (removing and scraping of old and flaky paints, removing dust, dirt, and etc.)	919.08 sq.m. ✓
1 Foreman	10.00 days ✓
2 Skilled Laborer	10.00 days ✓
2 Laborer	10.00 days ✓
C. Removal of existing dry wall partitions at 3rd Floor, Gridline C-D bounded by Gridline 6-14	83.16 sq.m. ✓
1 Foreman	4.00 days ✓
1 Skilled Laborer	4.00 days ✓
2 Laborer	4.00 days ✓
D. Removal and replacement of existing ceiling at Gridline B-D bounded by Gridline 6-14 (3rd Floor)	414.00 sq.m. ✓
1 Foreman	8.00 days ✓
1 Skilled Laborer	8.00 days ✓
2 Laborer	8.00 days ✓
E. Removal and re-installation/re-attachment of existing aluminum glass partitions at the Dean's Office	1.00 lot ✓
1 Foreman	6.00 days ✓
1 Skilled Laborer	6.00 days ✓
2 Laborer	6.00 days ✓
F. Removal of existing plywood cover (for window type AC hole), Louver door at	1.00 lot ✓
1 Foreman	2.00 days ✓
2 Laborer	2.00 days ✓
F. Removal and re-installation/re-attachment of existing Chalkboards and	1.00 lot ✓
1 Foreman	2.00 days ✓
2 Laborer	2.00 days ✓
G. Hauling of materials	1.00 lot ✓
1 Foreman	4.00 days ✓

Also included is the equipment rental of Hauling Truck to complete the said item of work.

Confer with the Supply Officer as to the designated area where the waste materials are to be stockpiled. The contractor shall submit the waste material prior to demobilization.

### III. DRY WALL PARTITION

83.16 sq.m

#### A. For Gridline 10 & 12 (2 sets), Replacement to existing Lower Door at Gridline 14 and damaged dry wall partition at Gridline D

This item of work includes the furnishing and installation of 6.0mm thk. Ficem Board (Double wall) on 32mm x 100mm x 12ft, 0.5mm thk. Metal Tracks and 32mm x 100mm x 12ft, 0.5mm thk. Metal Studs. Use Hardie Screw for ficem board to stud connection and Panhead Screw for stud to stud connections. Metal track is anchored on concrete floor and ceiling by 10mm dia. x 2" expansion bolt w/ shield.

Use meshwire, tie wires, level hose, nylon and other miscellaneous hardware items necessary for the completion of work.

Also included is the equipment rental of Drill Tool & Drill Bits and cutting tools & blade needed to finish the said item of work.

All materials shall be approved high quality.

Please refer to the Plan for complete details.

### IV. CEILING WORKS

414.00 sq.m

#### A. For Gridline 6-14, bounded by B-D

This item of work includes the furnishing and installation of 3.5mm thk. Ficem Board on 0.4mm x 1" x 2" x 16' Metal furring with ceiling joist spaced @ 600mm x 600mm on center bothways. Use 5/32"Ø x 1/2" Blind Rivets for anchorage of joints and 1.0" x 1.0" x 0.5mm x 3m wall angle on concrete wall perimeter anchored by 10mm dia. x 2" expansion bolt w/ shield. Use 0.4mm x 1" x 2" x 16' metal furring as hangers. Use 3" Wooden Cornice x 2.4m.

Use welding rod, level hose, nylon and other miscellaneous hardware items necessary for the completion of work.

Also included is the equipment rental of one Drill Tool & Drill Bits, and Cutting tools & blade needed to finish the said item of work.

It is necessary to use cutting tools & blade for cutting rods and wall angles.

All materials shall be approved high quality.

Please refer to the Ceiling Plan for complete details.

### V. DOORS

6.00 sets

This item of work includes furnishing and installation of the following doors:

- |    |   |           |
|----|---|-----------|
| D1 | 1.00m x 2.10m Built-up Hollow Core with viewing panel and<br>1m x 0.5m transom window (Complete heavy duty lockset and accessories) | 6.00 sets |
|----|---|-----------|

Painting works for the doors are included.

Each panel of hinged door shall be hung on 88.92mm x 88.92mm (3.5" x 3.5") pin hinges. All hinges shall be of stainless steel heavy duty.

All locks shall be heavy duty and of approved quality and shall be installed in door frames at the height of 1.00 meter from the finished floor line.

Kindly see the schedule of Doors for more details.

All doors shall be done as specified and shown on detailed drawings.

### VI. PAINTING WORKS

919.08 sq.m.

This item of work includes the painting of the following areas:

#### A. Interior Paint (includes Masonry, Concrete and Dry Walls at Classrooms, Dean's Office and Hallway)

505.08 sq.m.

Use Flat Latex undercoat (1 coat), Masonry Putty, Patching Compound, Semi Gloss Acrylic Latex topcoat (2 coats), and Tinting Color to all concrete, masonry and drywall surfaces.

#### B. Ceiling (Classrooms, Dean's Office and Hallway)

414.00 sq.m.

Use Flat Latex undercoat (1 coat), Patching Compound, and Flat Latex topcoat (2 coats) to all ceiling areas and surfaces.

This item of work includes the use of sandpaper, paint rollers, brushes, tray, rags, newspapers and other miscellaneous item to finish the painting works.

The painting contractor shall supply all labor, tool and equipment necessary and shall perform all painting and finishing works as shown in the schedule of painting and other surfaces to render ready to use.



Painting materials shall be stored in one place in the building to be kept neat and clean.

Before any painting is done all surfaces shall be cleaned, smoothed and free from dust. Dirt, grease, mortar, rust and other foreign substances and all parts where paint remover has been used shall be washed off with paint or laquer thinner.

All paints shall be spread evenly and carefully.

No painting shall be done on outside work extremely cold, frosty, foggy or damp weather.

All materials shall be approved high quality.

## VII. ELECTRICAL WORKS

1.00 lot

This item includes installation of led lighting fixtures, switches, exit signage, convenience outlet and ceiling fan outlet.

Use 2- 3.5 sq. mm THHN wire in PVC 20 mm dia conduit with combination of mica tube and plastic moulding for lighting outlet and ceiling fan outlet.

Use 2- 3.5 sq. mm THHN wire + 1-3.5 sq. mm THHN wire (green) for duplex convenience outlet.

This also includes installation of LP3A Panelboard and main feederline to be tapped at existing power source located at Ground floor electrical room.

Wires must be Phelpdodge or approved equivalent.

### A.1 Panel Board at EE room

#### LP3A

Main-100 AT/ 225AF 3P+E, KAIC, 22 kaic, 230 VAC, Surface mounted, complete with common grounding terminal, Industrial type

1.00 assy

Branches: 20

5-15AT/100AF, 3P, 230 VAC

15-20AT/100AF, 2P, 230 VAC

### A.2 Wires, Cables, Conduits and Accessories

#### LP3A to MDP at ground floor

38mm<sup>2</sup> THHN wire (red, yellow, blue, white)

45.00 m

8.0mm<sup>2</sup> THHN wire (green)

15.00 m

50mmØ PVC conduit

3.00 pcs

50 mm dia PVC end bell

2.00 pcs

50 mm dia PVC elbow

1.00 pcs

### A.3 Right Wing

#### Lighting outlet/ convenience outlets and ceiling fan

3.5mm<sup>2</sup> THHN wire (red,yellow,blue,white)

13.00 bxs

3.5mm<sup>2</sup> THHN wire (green)

2.00 bxs

Mica tube 1/4"

54.00 meters

Electrical tape

10.00 Rolls

masking tape

1.00 Rolls

#### Conduits and Accessories

20mmØ PVC conduit/ Plastic moulding

274.00 pcs

2" x 4' amco box

37.00 pcs

Junction box with cover

67.00 pcs

square box

4.00 pcs

Other miscellaneous and consumables such as tox with screw,

1.00 lot

bostik no more nails, cable tie, pvc clamps, expansion bolt with shield, etc

#### Wiring devices

Duplex convenience outlet grounding Type, universal type

20.00 sets

Two gang switch

2.00 sets

Three gang switch

3.00 sets

Ceiling fan

12.00 sets

#### Lighting fixtures

Exit signage at hallway

2.00 sets

Round type LED Lighting Fixture with 15W led, flush mounted

53.00 sets

Kindly see the electrical plans for directives.

## VIII. SCAFFOLDINGS

1.00 lot

This item of work includes the furnishing and installation of 2 pcs of 1/2" Ordinary Plywood, 48 bdf. of 2"x 3" x 12' Coco Lumber, and 32 bdf. of 2"x 2" x 12' Coco Lumber, G.I. Tie Wire # 16 and assorted CW nails for formworks, scaffolding and bracing to complete the said item of work.

**IX. MISCELLANEOUS ITEMS**

1.00 lot

This item of work includes the supply and installation of Venetian Blinds for Windows at Gridline 14.  
All materials shall be approved high quality.  
Please refer to Plans for complete details.

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