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Name of Project: REHABILITATION OF RM BADMINTON HALL

Location: RMSC, P. Ocampo Sr. St., Malate, Manila

Date Prepared: January 07, 2019

Subject: PROJECT SCOPE OF WORK

This Scope of work is supplemental to the drawings but not limited to the following:

### 1. General


- a. Site preparation for construction activities
  - i. Mobilization of supplies, manpower resources and utilities
  - ii. Erection of temporary facilities
  - iii. Installation of project billboards
  - iv. Construction of perimeter fence
    - 1. Installation of Perimeter Fence Exhibit

### 2. Site Development

- a. Application of Pest Control methods
- b. Landscape Architecture Works
  - i. Landscaping of Pocket Parks
  - ii. Construction of Parking, Driveways, and Pathways
  - iii. Supply and Design of Outdoor Lighting Fixtures
- c. Hardscape
  - i. Paving of exterior stamped concrete hardscape

### 3. Civil Works


- a. Concrete Works
  - i. Pre-cast ornamentation and Architectural Details
    - 1. Repair of Art Deco Façade Ornamentation

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- ii. Rectification and consolidation of building envelope
  - iii. Repair of Cracks and Plastering
  - iv. Chipping and removal of existing floor and wall tiles for all toilets.
  - v. Demolition of existing walls at Coop.
- b. Masonry Works
- i. Construction of masonry partitions for new space programming
- c. Hauling and disposal of debris and unwanted structures.

#### 4. Architectural Works

- a. Partition Works
- i. Supply and Installation of urinal partition using phenolic boards with varnish finish
  - ii. Supply and installation of toilet partition using phenolic boards with varnish finish
  - iii. Interior plaster at the bleacher area.
  - iv. Replication of historic ornaments for Façade Applique
- b. Specialty Works
- i. Supply and installation of 6mm thk. mirror on 12mm thk. marine plywood backing for all toilets
  - ii. Supply and installation of low backrest lindle bleacher seats double molded high density polyethylene seat with UV protection treatment (415mmWx180mmHX140)
  - iii. Interior Design Works
    - 1. Supply and installation of furnishings and decor for lounge areas, coop, toilets, lockers, and showers
  - iv. Supply and Installation of new barriers, padding, and equipment
  - v. Design, supply, and installation of new wayfinding and signage system
- c. Flooring Works
- i. Installation of homogenous resilient flooring at the seating area
  - ii. Installation of new tiled flooring at the Coop and Main Entrance

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- iii. Installation of 600mm x 600mm x 10mm thk. homogeneous tiles in all the toilets
  - iv. Replacement of tiled flooring at the offices using 300mm x 300mm ceramic tiles.
  - v. Repair of stairs and stairwells
  - vi. Application of non-slip materials at stairwells and ramps
- d. Doors Installation
- i. Fabrication, delivery and installation of aluminum framed glass doors in powder coated finish including all accessories.
  - ii. Removal of roller doors and obsolete doors.
  - iii. Fabrication, delivery and installation of pre-painted steel fire rated exit door including panic hardware and all necessary accessories.
  - iv. Supply and installation of pre-painted wooden flush doors and framing including all accessories.
- e. Painting Works
- i. Repainting of exterior and interiors with selected colors
  - ii. Re-painting of existing metal handrail / railing with spray-applied automotive paint
  - iii. Painting of flooring in epoxy painted finish
  - iv. Painting of walls in latex painted finish.
- f. Wall Finishes
- i. Installation of 600 x 600mm x 10mm thk. homogeneous wall tiles.
- g. Ceiling Works
- i. Ceiling Board Replacement
    - 1. Removal of Ceiling along Corridor and all Unnecessary Utilities
  - ii. Supply and installation of ordinary 12mm thk. gypsum board on metal furring for all rooms in paint latex finish.
  - iii. Supply and installation of 13mm thk. moisture-resistant gypsum board on metal furring for all toilets in flat latex paint finish.
- h. Wood Works
- i. Repair and Replacement of Damaged Wood Underflooring

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## 5. Thermal Insulation and Moisture Protection Works

### a. Roofing

1. Inspection and repair of leaks
2. Replacement of damaged members

### ii. General Insulation Works

1. Clearing and preparation for insulation.
2. Removal of obsolete and hazardous materials
3. Application of new exterior spray-on roofing insulation
4. Repainting of roof with high-SRI paint

### iii. General Waterproofing Works


1. Waterproofing of parapets and exposed walls
2. Installation of flashing
3. Waterproofing of toilets, lockers, and dressing areas
4. Waterproofing of groundwater seepage in dugouts application of bituminous or mat waterproofing for exterior slabs
5. Application of moisture resistant membrane under sporting flooring
6. Application of bituminous or mat waterproofing for exterior slabs

## 6. Mechanical Works

- a. Ducting and insulation works including all necessary accessories and support
- b. Modernization of existing centralized air-conditioning system including supply and installation of AHU & ACCU cooling system.
- c. Installation of refrigerant piping system.

## 7. Fire Protection System including Automatic Fire Detection and Alarm System (FDAS)

- a. Chipping and restoration for Mechanical Works
- b. Fire Detection and Alarm System
  - i. Supply and Installation of Conduits and Fittings with necessary pull wires
  - ii. Supply and Installation of Wires, Cables, and Wiring Devices

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- iii. Supply and Installation of Annunciators, Strobes, and Manual Triggering Devices
- iv. Supply and Installation of Addressable Fire Alarm Control Panel with back-up batteries and surge protection devices
- v. Testing and Commissioning

**c. Fire Suppression System**

- i. Removal and Disposal of Existing Obsolete Piping and Devices
- ii. Supply and Installation of New B.I. Piping including Fitting, paintings, and other materials to complete for Wet Standpipe System
- iii. Supply and Installation of New B.I. Pipe for Wet Standpipe System
- iv. Supply and Installation of New Manifold Connections and Street Connection for Fire Department Connection
- v. Supply and Installation of Fire Hose Cabinets with all accessories to complete
- vi. Testing and Commissioning of Fire Suppression System

**8. Plumbing Works**

- a. Dismantling of old plumbing fixtures.
- b. Supply and Installation of plumbing fixtures and equipment.
- c. Roughing-in of Plumbing Works
- d. Drainage
  - i. Rectification and de-clogging of existing drainage lines
  - ii. Roughing-in of Soil Pipes and Sanitary Works
  - iii. Construction of Storm Water Drainage System
- e. Plumbing civil works
  - i. Construction of reinforced concrete cistern tank and septic tank
  - ii. Waterproofing food grade (3 coatings) of cistern tank
  - iii. Disinfection of cistern tank and water line
  - iv. Construction of pump house.
- f. Testing and commissioning.


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## 9. Electrical Works

- a. Roughing-in of new electrical lines including all necessary accessories and support.
- b. Installation of service lighting.
- c. Supply and installation of panel boards.
- d. Installation of Architectural Lighting
  - i. Installation of monumental exterior lighting
  - ii. Installation of specialty interior lighting
  - iii. Installation of sports lighting
  - iv. Installation of emergency and egress lighting
- e. Supply and installation of perimeter lighting
- f. Design and fabrication of lighting fixtures
- g. Auxiliary Systems
  - i. Installation of communications systems
  - ii. Installation of lighting and sound control panels
  - iii. Installation of a Private Automatic Branch Exchange (PABX) network
- h. Supply and Installation of feeder lines.
- i. Testing and commissioning.

## 10. Metal Works

- a. Ironworks and Grillwork
  - i. Railings.
    1. Installation of New Stainless Steel Railings

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Prepared by:

**ENGR. LADY JEAN D. NOLASCO**

*Engineer II – Civil Engineer*

Date: \_\_\_\_\_

**ENGR. JOMARI C. CRUZ**

*Engineer II – Electrical Engineer*

Date: \_\_\_\_\_

Checked/Reviewed by:

**ENGR. PEDRO I. PINEDA, JR.**

*Head, Engineering & Maintenance Section*

Date: \_\_\_\_\_

Noted By:

**MR. MANUEL G. BITOG**

*Acting Chief, Sports Facilities Division*

Date: \_\_\_\_\_

Recommending Approval:

**DIR. MERLITA R. IBAY**

*OIC, Office of the Executive Director*

Date: \_\_\_\_\_

Approved by:

**HON. WILLIAM I. RAMIREZ**

*Chairman*

Date: \_\_\_\_\_