

## **EXECUTION**

### **INSTALLATION**

Installation of toilet partitions and urinal screens shall be in accordance with approved shop drawings and manufacturer's installation and directions.

## **ITEM 06 : PLUMBING WORKS**

### **GENERAL**

General Requirements contain provisions and requirements essential to these Specifications; and apply to this Section, whether or not referred to herein.

### **SCOPE OF WORK**

The work covered for this section shall consist of furnishing all labor, tools, equipment, materials and incidentals necessary for the complete installation, testing and operations of the plumbing and sanitary system within the buildings and premises in accordance with these specifications and as shown on the drawings or as directed by the Engineer. The Septic Tank and its effluent and discharge pipelines shall be part of other sections of these specifications.

### **MATERIAL REQUIREMENTS**

#### **SUBMITTALS**

1. The Contractor shall submit his work method statement with necessary shop drawings to the Project-In-Charge for approval twenty eight (28) days before the start of works.

Shop drawings shall be dated and shall contain the name of the project and location of the subject item in the shop drawing which is to be installed.

The Project-In-Charge will review and approved or return for correction all shop drawings with reasonable promptness. The Contractor shall make any corrections required and file with the Project-In-Charge three (3) corrected copies of the shop drawings

2. The drawings shall indicate the general arrangement of all piping; however, where actual conditions necessitate re-arrangement in the opinion of the Contractor and/or the Project-In-Charge, the Contractor shall prepare and submit to the Project-In-Charge for approval, within twenty-eight (28) days before placing the order for materials, shop drawings of the proposed re-arrangement. Because of the small scale of the drawings, shop drawings to indicate all offsets, fittings and accessories shall be prepared. The Contractor shall carefully examine the drawings and shall carefully investigate actual structural and finish conditions affecting all his work.
3. The Contractor shall be responsible for the proper fitting of materials, equipment and accessories without substantial alteration and at no cost to the Employer.
4. The Contractor shall be responsible for the proper coordination of work and shall provide all necessary clearance where necessary.

#### **STANDARDS**

Use of materials shall be further be governed by other requirement imposed on the other sections of these Specifications. Materials shall be subject to test necessary to ascertain their fitness if the Project-In-Charge so requires. All works shall comply with the pertinent provisions of the Plumbing Code of the Philippines.

## **MATERIALS**

### **1. Identification of Materials**

Each length pipe, fittings, traps, fixtures and devices used in the plumbing work shall have cast, stamped or indelibly marked on it, the approved manufacturer's trademark or name, the weight, type and class or product when so required by the standards mentioned above.

### **2. Alternative Materials**

Use of any material not specified in this Specification may be allowed provided such alternate has been approved by the Project-In-Charge and provided further that a test, if required, shall be done by an approved agency in accordance with generally accepted standards.

### **3. Soil, Waste, Drain, Vent Pipes and Fittings**

Soil, waste and vent pipes shall be unplasticized Polyvinyl Chloride (uPVC) pipes. It shall conform to ASTM D 1784 or ASTM D 2729.

### **4. Jointing Material**

The joint material for uPVC pipes shall be PVC solvent cement as recommended by the approved pipe manufacturer.

### **5. Water Supply Pipe**

Water supply pipe shall be polypropylene random-80 (PPR-80) pipes PN 20 conforming to DIN Standards DIN 1988/DIN 8078.

### **6. Cleanouts, Plugs and Tee**

Cleanouts shall be of the same material as the pipe to be fitted. Cleanouts installed in connection with uPVC hubs and spigot pipes shall consist of a long sweep quarter bend of  $\frac{1}{4}$ ".

### **7. Pipe Sleeves**

Pipe sleeves shall be installed and properly secured in place at all points where pipes pass through masonry or concrete. Pipe sleeves shall be uPVC pipe, Schedule 40.

### **8. Downspout**

All downspout shall be installed unplasticized Polyvinyl Chloride (uPVC) pipe class DWV conforming to ASTM D2729 or ASTM D1784 for sanitary pipes Series 1000.

### **9. Floor Drains**

Floor drains shall be made of stainless non-tilting grate, perforated or slotted.

## 10. Fixtures

### a. Water Closet

All water closets for toilets as shown on the drawing shall be TANK TYPE white with complete fittings and mounting accessories. (1.6GPF)

### b. Lavatories (Counter Top)

Shall be vitreous china, oval or round shaped counter top lavatory with front overflow hole, complete with faucet, supply valve and fitting with P-trap. Fitting ledge suitable for single hole on center.

## 11. Urinals

Urinals for all comfort building shall be built-in urinal trough as shown on the drawings.

Urinals shall be vitreous china, wall-hung washout urinal, flushing rim, integral trap, 19mm top and shall be provided with water saving flush system.

## 12. Soap and Tissue Holder

Soap holder and toilet paper holder shall be vitreous china, wall mounted. All toilet/bath rooms will be provided with soap holder, toilet paper holder and baby changing station.

## 13. Grab Bar

Grab bar shall be tubular stainless steel, 25mmØ or as specified in the drawings.

## EXECUTION

All installation works shall be in conformity with the National Plumbing Code of the Philippines.

## INSTALLATION

### Pipes

Horizontal Waste Pipes 75mmØ and smaller shall have a minimum grade of 6.5mm per 0.30m; and for 100mmØ and larger shall have a minimum of 3.2mm per 0.30m.

### Fittings

All changes in pipes sizes on soil waste lines shall be made with reducing fittings or recessed reducers. All changes in direction shall be made by the appropriate use of 45degrees wyes. Long sweep quarter bends or elbows may be used in soil and waste lines where the change in direction of flow is from the horizontal to the vertical and on the discharge from water closets.

Where it becomes necessary to use short radius fittings in any location, the approval of the Project-In-Charge shall be obtained before they are installed.

### Joints

All joints in uPVC soil, waste and vent pipes shall be accomplished by the use of PVC solvent cement.

All joints for uPVC shall be accomplished by applying the manufacturer's recommended solvent before connection to pipe.

### **PLUMBING, FIXTURES AND TOILET ACCESSORIES INSTALLATION**

All installation works shall be shown on the drawings and shall conform to the applicable standards set forth by the Philippine National Plumbing Code. All fixtures be fastened and/or supported in accordance with the given requirements.

ITEM 07 : ELECTRICAL WORKS

SCOPE OF WORK

The work to be done shall consist of furnishing, delivering and installing electrical materials/fixtures completed in accordance with all the details of the electrical works as shown on the drawings including materials, labor, tools and equipment and all incidental works as found necessary.

Refer to electrical plans/drawings for location and extent of work involved.

GENERAL REQUIREMENTS

- a) All works shall be done in accordance with the requirements of the publications and agencies having jurisdiction, as well as the requirements of the approved standards.
  1. National Fire Protection Association - (NFPA)
  2. National Electrical Manufacturer Association - (NEMA)
  3. Underwriter Laboratories, Inc. - (UL)
  4. Philippine Electrical Code - (PEC)  
Philippine National Standard - (PNS)
  5. Federation Specification:  
Circuit Breaker, Molded Case, Branch  
Circuit and Service
  6. American National Standard Institute - (ANSI)
  7. American Society for Testing and Materials - (ASTM)
  8. Illuminating Engineering Society - (IES)
  9. Light Emitting Diode - (LED)
- b) The Contractor shall employ a licensed Registered Electrical Engineer or Master electrician to perform or to supervise and to conduct the continuous inspection of all electrical work.
- c) The Contractor shall first obtain approval from the Authority before procurement, fabrication or delivery of electrical materials to the site. Partial submittals will not be acceptable and will be returned without review. Submittals shall include the Manufacturer's Name, Trade Name, Place of Manufacture, Catalog Model or Number, Nameplate Data, Size, Layout Dimensions, Capacity, Project Specification and Paragraph Reference, Technical Society Publication References and other information necessary to establish contract compliance of each item to be furnished.
- d) The materials and equipment to be furnished shall be standard products of reputable manufacturer engaged in the reproduction of such materials and equipment.
- e) The Contractor shall furnish and install electrical materials as shown in the drawings. A licensed Electrical Engineer or Master Electrician is required to implement the installation of the electrical system.
- f) Electrical installation shall conform to the requirements of Philippine Electrical Code (PEC) and the other approved standards.
- g) The contractor shall install all electrical works with the supervision of the qualified Registered Electrical Engineer (REE) or Master Electrician. All electrical installation applications regardless of capacity and voltage whether new, addition or revision shall be

accompanied by electrical plans signed and sealed by a duly licensed Professional Electrical Engineer (PEE).

## **MATERIAL REQUIREMENTS**

All materials shall be brand new and shall be of the approved type meeting all the requirements of the Philippine Electrical Code and bearing the Philippine Standard Agency (PSA) mark.

### **INTERIOR WIRING SYSTEM**

#### **SUBMITTALS**

- A. Shop Drawings: Submit for the following:
  - a. Location of Panel Boards and circuit breakers
  - b. Conduit support / hanger's installation drawing

### **PRODUCTS**

#### **CONDUITS AND FITTINGS**

- a. Conduits shall be polyvinyl chloride (PVC) where specified, shall be heavy wall, high impact resistant Schedule 40, with factory made bends, couplings and fittings. PVC cement for joints shall be of the same brand as for the PVC pipe.
- b. No conduits shall be used in any system smaller than 20mm (1/2") diameter electric trade size, nor shall have more than four (4) 90 degrees bends in any one run and where necessary, pull boxes shall be provided as directed.
- c. No wire shall be pulled into any conduit until the conduit system is completed all details, in the case of concealed work until all rough plastering masonry has been completed, and in case of exposed work until the conduit has been completed in every detail.
- d. The ends of conduit shall have tightly plugged to exclude plaster, dust and moisture while the construction of the building is in progress. All conduits shall be reamed to remove all burrs.

#### **OUTLETS, BOXES AND FITTINGS**

- a. At all outlets whatever kind, for all system, there shall be provided a suitable fitting, which shall be either a box or other device especially designed to receive the type of fitting to be mounted thereon.
- b. The Contractor shall consult with the Engineer as to the nature of various fittings to be used before installing his outlet fittings, and shall conform strictly in the use of fittings, to the nature of the appliance/fixtures to be mounted on them, so that the work, when the completed will be a finished design.

#### **JUNCTION AND PULL BOXES**

- a. Junctions and pull boxes of code gauge steel, galvanized shall be provided as indicated or as required for facilitating the pulling of wires and cables. Pull boxes as finished places shall be located and installed with the permission and to the satisfaction of the Engineer.
- b. All junction and pull boxes on exposed conduit work shall be provided with hubs for threaded pipe entry and covers provided with neoprene gaskets.

#### **WIRE AND CABLES**

- a. All wires shall be copper, soft-drawn and annealed, shall be 100% conductivity, shall be smooth and true of a cylindrical form and shall be within the actual size called for.
- b. All wires and cables shall comply with the requirements of the Underwriters Laboratories, the ASTM and ICEA as they apply to the particular usage.
- c. Wire and cables for the power and lighting system shall be plastic insulated for 600 volts working pressure type "THHN/TWHN-2" unless otherwise noted on plans or specified.
- d.
- e. Splices and termination Components – As applicable, for wire connector and for insulation tapes. Connectors for 5.5mm<sup>2</sup> and smaller diameter wires shall be insulated, pressure type in accordance with (twist-on splicing connector). Provide solderless terminal lugs on stranded conductors.

## WALL SWITCHES

Wall switches in general shall be rated 10A at 230V or with ampere and voltage ratings as required. Switches shall be flush mounted and of the rocker type, spring operated. The type of switches shall be tumbler operation and color, plating and appearance of wall plates shall be as selected by the Engineer. Appropriate samples shall be submitted prior to purchase of wall switches.

## WALL RECEPTACLE AND PLATES

Receptacle outlets shall be 15A and 230V, 2pole, 3wires parallel slot, grounding type. Parallel slot outlet rated 15A, 125V grounded type shall be acceptable for the use of 230V system.

Provide weatherproof receptacle plate cover for each convenience receptacle outlet indicated as weatherproof.

## PANELS AND CABINETS

Standard panels and cabinets, as much as possible shall be used and assembled on job. Lighting panels shall be equipped with branch circuit breaker as required and mains.

Panel board main bus work shall be ampacity rated or equal or exceed protective device immediately ahead of it. All buss work shall be properly secured to withstand available short circuit forces at the location.

## PANEL BOARD / Distribution Panel Board

Panel board shall conform as shown on the approved plans with respect to supply characteristics, rating of main lugs or main circuit breaker, number and ratings and capacities of branch circuit breakers.

Panel board shall consist of a factory completed dead front assembly mounted in an enclosing NEMA-4 cabinet consisting of code gauge galvanized sheet steel box with trim and door.

Main and branch circuit breakers for panel board shall have the rating, capacity and number of poles as shown on the given specifications. Breakers shall be thermal magnetic type solid state-type with interrupting capacity of 10,000 amperes symmetrical minimum. Breaker terminal shall be UL listed as suitable for type of conductor provided. Breaker shall be the bolt-in type (that is, bolted to the current carrying bus). Plug-in circuit breakers are not acceptable

## MATERIALS

### Interior Lightings

## SUBMITTALS



Data, shop drawings showing mounting heights and reports shall employ the terminology, classifications and methods prescribed by the IES Lighting Handbook, as applicable, for lighting system specified.

- a. LED Square Light 150mm x 150mm – 20W (Daylight)
- b. LED Square Light 150mm x 150mm – 12W (Cool White)
- c. LED Circular Light 100mm dia. – 9W (Warm white)
- d. T8 LED Lamp – 20W (Daylight)
- e. 2xT8 Recessed Type Louver Housing with reflectors (600mm x 1200mm)
- f. LED Batten Light – 20W (Daylight)
- g. LED Highbay Eco-Industrial Light – 200W (Daylight)

**Distribution Panel Boards at Electrical Room**

- a. Panel 1 (39cm x 76cm NEMA 4)  
1-200AT, 3P Main  
3-100AT, 3P  
4-70AT, 2P  
5-50AT, 2P
- b. Panel 2 (39cm x 76cm NEMA 4)  
1-100AT, 3P Main  
14-20AT, 2P
- c. Panel 3 (39cm x 76cm NEMA 4)  
1-100AT, 3P Main  
14-20AT, 2P
- d. Panel 4 (39cm x 81.5cm NEMA 4)  
1-150AT, 3P Main  
10-20AT, 2P  
4-30AT, 2P  
2-40AT, 2P
- e. Panel 5 (39cm x 91.5cm NEMA 4)  
1-125AT, 3P Main  
8-20AT, 2P  
10-30AT, 2P
- f. Panel 6 (39cm x 91.5cm NEMA 4)  
1-150AT, 3P Main  
3-50AT, 2P  
6-30AT, 2P  
10-20AT, 2P

**Panel Board at Mezzanine Floor**

- a. 125AT, 3P Branches  
6-50AT, 2P  
2-30AT, 2P

**Main Distribution Panel Board**

- a. Panel 1 (39cm x 76cm NEMA 4)  
1-200AT, 3P Main  
4-70AT, 2P  
5-50AT, 2P

**EXECUTION**

**WORKMANSHIP**

The work throughout shall be executed in the best and most thorough manner under the direction of and at the satisfaction of the Registered Electrical Engineer or Master Electrician, who will interpret the intent meaning of the drawings and specification and shall have the power to reject any work and materials which in his judgment, are not in full accordance therewith.

#### TESTING OPERATIONS

When the electrical installation is completed, the Contractor shall test the installed electrical materials and equipment in the presence of Registered Electrical Engineer or Master Electrician. The system shall be free from any defects, shorts or grounds. The Contractor at no extra cost shall furnish all necessary instruments and personnel required for the testing.

#### GUARANTEE

Upon completion and before final acceptance of the work, the Contractor shall furnish the Engineer a written guarantee stating that all works executed are free from defects on materials and workmanship. The guarantee shall be for a period of one year from the date of the final acceptance. Any work that becomes defective during the said period shall be corrected / replaced by the Contractor at his own expense in a manner satisfactory to the Authority.

## **ITEM 08 : SIGNAGE**

### **GENERAL**

General Requirements contain provisions and requirements essential to these Specifications; and apply to this Section, whether or not referred to herein.

### **SCOPE OF WORK**

Furnish materials and perform labor to include miscellaneous works required for the installation of port signage.

The Contractor shall submit samples for approval of the Project-In-Charge. Notify the Project-In-Charge for any changes, clarifications and discrepancies.

### **MATERIALS**

#### **1. PPA LOGO**

- a. Stainless build-up letters 4.5mm thick sheet
- b. 12.5mm thick Colored Acrylic Plastic Sheet (Built-up Lighted) PPA Logo and Letters

### **EXECUTION**

#### **WORKMANSHIP**

Workmanship shall be executed in highly comparable with artworks.

#### **MOUNTING**

For all mounted assemblies, appropriate mounting hardware and connector which are concealed shall be sufficiently used.

Assemblies shall be mounted plumb, straight, level and at prescribed height.

#### **INSTALLATION**

Installation shall be done in a secure and permanent manner at prescribed heights and/or layout. The back wall shall not be mutilated. After the dowels are positioned, fill with expanding grout or other approved fillers, and retouch, flashed to the back wall surface.

**ITEM 09 : PROJECT BILLBOARD**

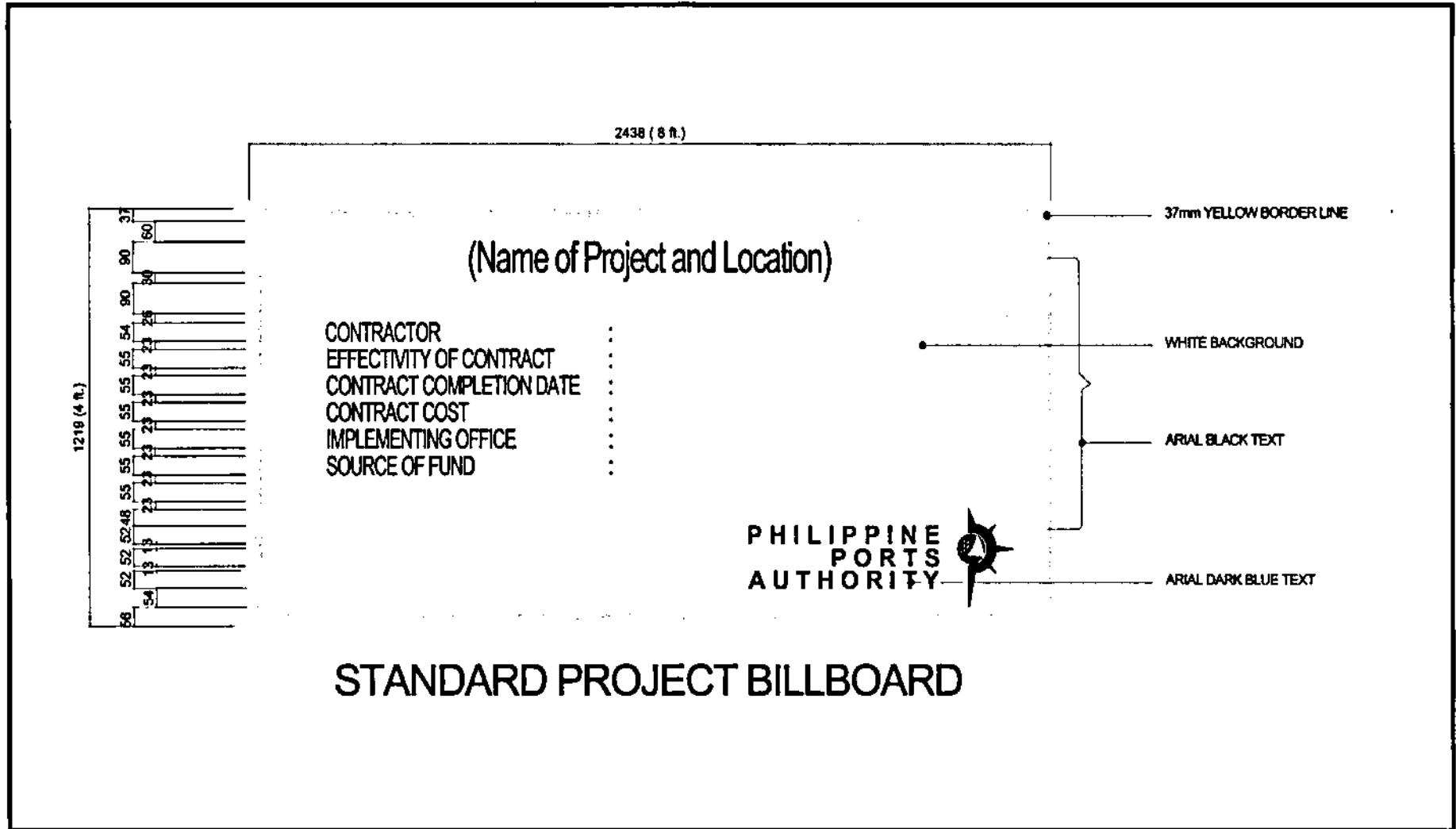
**SPECIFICATION**

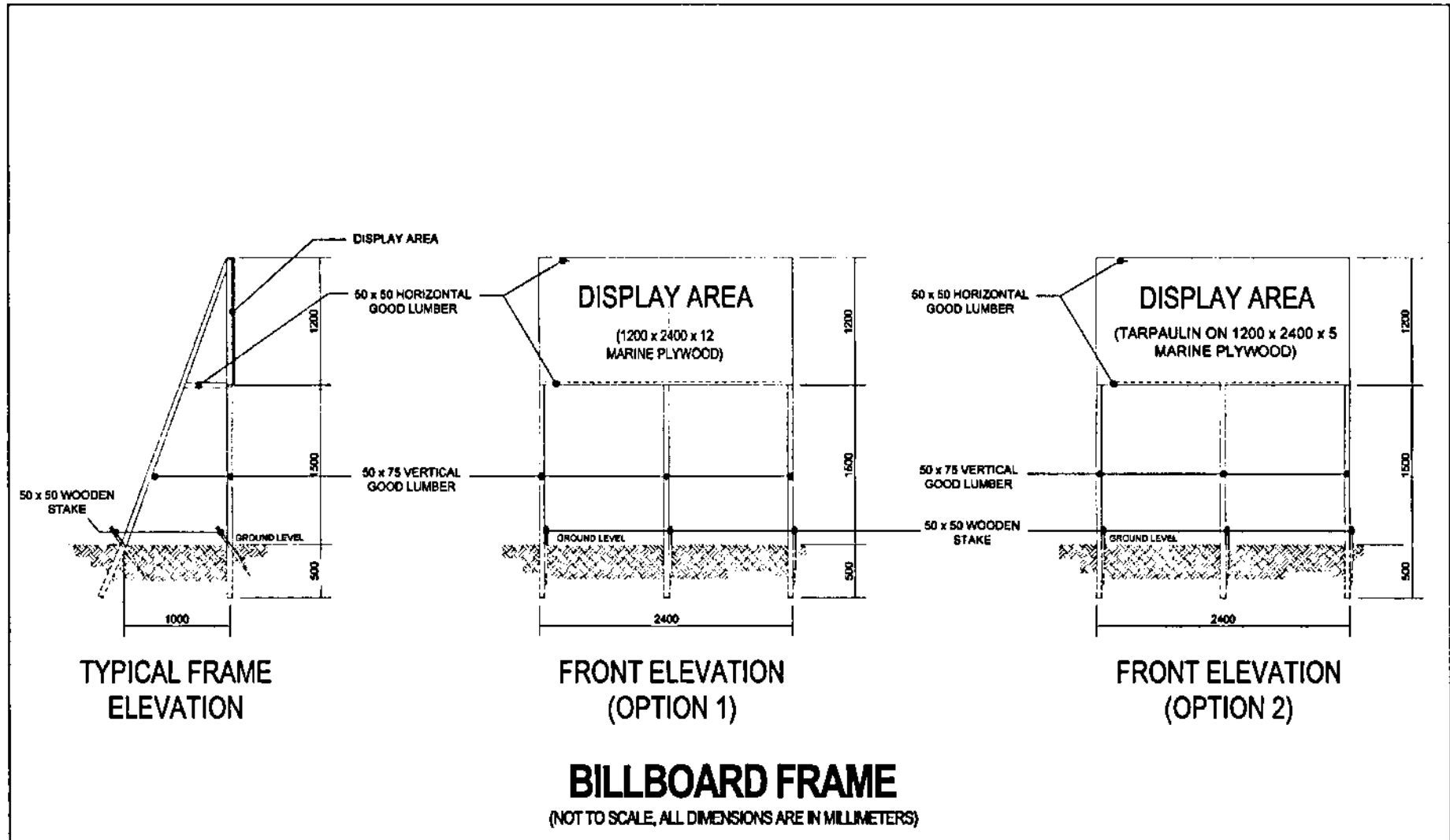
The Project Billboard shall be installed at location(s) designated by the Engineer.

The size and specifications of materials for the standard billboard shall be 4ft. x 8ft. (1,200mm x 2,400mm) using ½ inch (12mm) marine plywood or tarpaulin poster on 3/16 inch (5mm) marine plywood.

Project billboards shall not contain Name(s) and/or picture(s) of any personages.

See attached drawings for further details of the standard billboard.





ITEM 10 : SAFETY SIGNAGES AND BARRICADES

DESCRIPTION

This work includes the furnishing and installing of safety signages and barricades in accordance with the specifications and to the details shown below in the drawings, or as directed by the Engineer.

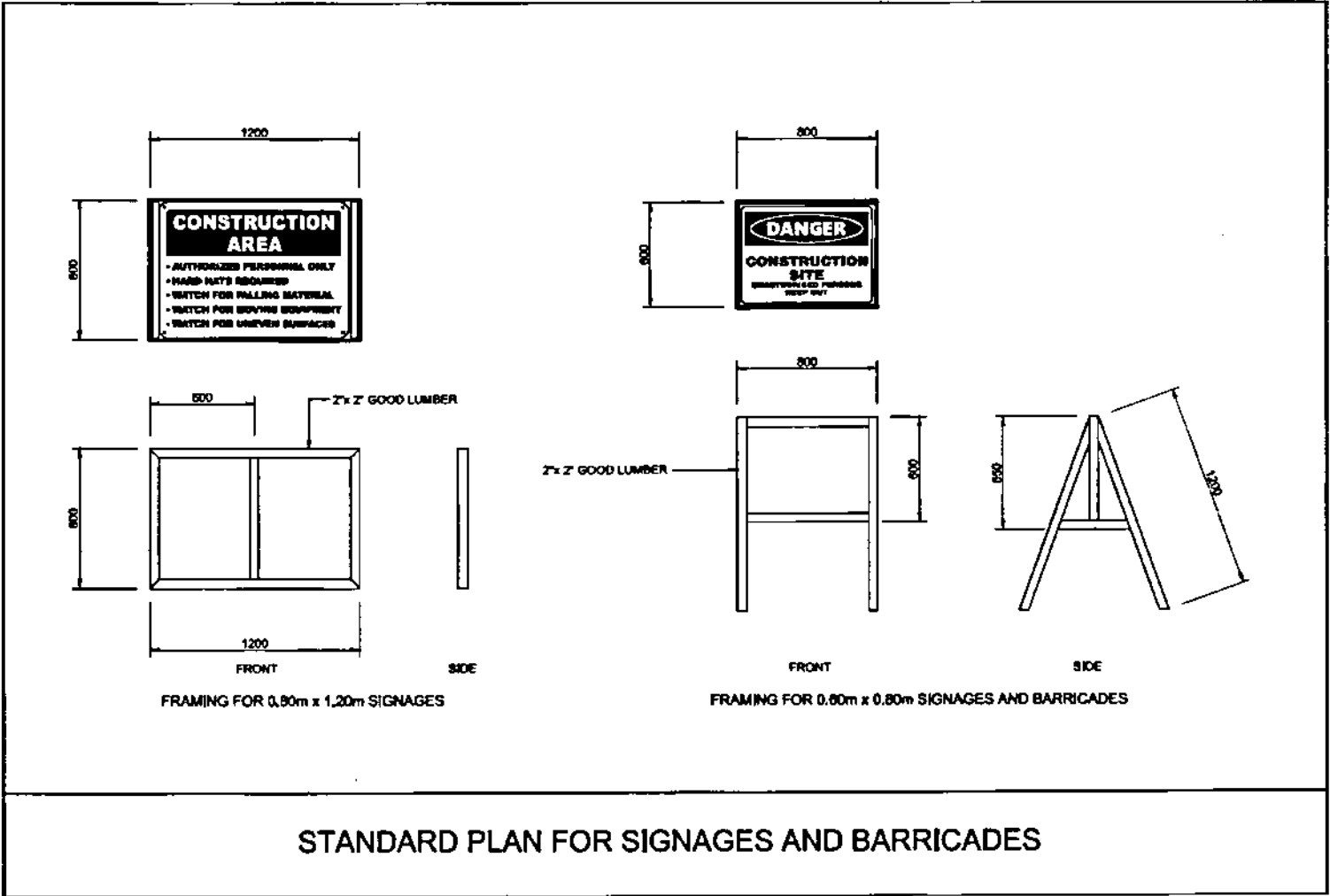
SPECIFICATION

The Signage's and Barricades shall be installed at location(s) designated by the Engineer.

The sizes of the standard signages shall be 2-2/3ft x 4ft (800mm X 1,200mm) for fixed type and 2ft x 2-2/3ft (600mm x 800mm) for mobile type. For barricade standard 2ft x 2-2/3ft (600mm x 800mm) shall be provided.

The materials to be used for signages and barricades are ½ inch (12mm) marine plywood or tarpaulin poster on 2" x 2" (50mm x 50mm) good lumber frame (see drawing below).

The printing or painting shall be the discretion of the Engineer.



***SECTION VII***

***DRAWINGS  
(APPROVED PLANS)***



# **SECTION VII**

## **DRAWINGS AND APPROVED PLANS**

**(SEE ISSUED APPROVED PLANS)**

### **LIST OF DRAWINGS:**

- 1 of 20 - Development Plan/Location Plan
- 2 of 20 - General Notes and Specifications
- 3 of 20 - Interior Perspectives
- 4 of 20 - Interior Perspectives
- 5 of 20 - Ground Floor Plan (Repair of Tiles and Comfort Rooms)
- 6 of 20 - Ground Floor Plan (Plumbing Layout)
- 7 of 20 - Detail of Female Comfort Rooms (Plans and Sections)
- 8 of 20 - Detail of Female Comfort Rooms (Elevations)
- 9 of 20 - Detail of Male Comfort Rooms (Plans and Sections)
- 10 of 20 - Detail of Male Comfort Rooms (Elevations)
- 11 of 20 - Detail of Female Comfort Rooms (Plans, Sections and Elevations)
- 12 of 20 - Detail of Toilet Partitions
- 13 of 20 - Schedule of Doors and Windows at Comfort Rooms
- 14 of 20- Ground Floor and Mezzanine Floor Tile Layout
- 15 of 20 - Mezzanine Floor Ceiling Layout
- 16 of 20 - Roofing Detail
- 17 of 20 - Ground Floor Electrical Layout
- 18 of 20 - Mezzanine Floor Electrical Layout
- 19 of 20 - Canopy Detail
- 20 of 20 - PPA Logo Detail

*SECTION VIII*

*BILL OF QUANTITIES  
and  
ATTACHMENTS*

## BID SUMMARY

**IMPROVEMENT OF DMCT BUILDING'S INTERIOR AND ROOFING AT PORT CAPINPIN, ORION, BATAAN**  
Port Capinpin, Orion, Bataan



NO. (1)	DESCRIPTION OF WORK (2)	AMOUNT (Pesos) (3)
BILL NO. 1	GENERAL EXPENSES	
BILL NO. 2	REMOVAL / DISPOSAL WORKS	
BILL NO. 3	STEEL REINFORCEMENT	
BILL NO. 4	CONCRETING WORKS	
BILL NO. 5	TILE WORKS	
BILL NO. 6	ROOFING WORKS	
BILL NO. 7	CEILING WORKS	
BILL NO. 8	PAINTING WORKS	
BILL NO. 9	WALL PARTITIONS	
BILL NO. 10	DMCT COMFORT ROOM	
BILL NO. 11	ELECTRICAL WORKS	
BILL NO. 12	CANOPY	
BILL NO. 13	PPA LOGO	
<b>BID SUMMARY</b>		-

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

\_\_\_\_\_  
Date

# BILL OF QUANTITIES

## IMPROVEMENT OF DMCT BUILDING'S INTERIOR AND ROOFING AT PORT CAPINPIN, ORION, BATAAN

Port Capinpin, Orion, Bataan



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
<b>BILL NO. 1</b>	<b>GENERAL EXPENSES</b>				
1.01	Mobilization and Demobilization / Clean Up	lot	1.00		-
1.02	Provision of Construction Safety and Health Program	days	300.00		-
<b>TOTAL FOR BILL NO. 1</b>					-
<b>BILL NO. 2</b>	<b>REMOVAL / DISPOSAL WORKS</b>				
2.01	Removal of existing stair at the southwest part of DMCT Building; disposal of debris	sqm	35.61		-
2.02	Removal of wall tiles and floor tiles at male, female, PWD comfort rooms, Mezzanine floor, Balcony and tiles on the northeast stair of DMCT Building; disposal of debris	sqm	1,376.65		-
2.03	Removal/Chipping of walls and flooring at male, female and PWD comfort rooms to give way for the repair of sanitary pipings at DMCT Bldg; disposal of	sqm	119.88		-
2.04	Removal of ceiling at male, female, PWD comfort rooms and ceiling under the southwest stair of DMCT Bldg.	sqm	120.56		-
2.05	Removal of toilet partitions at male, female, and PWD comfort rooms.	sqm	62.84		-
2.06	Removal of toilet fixtures at male, female, and PWD comfort rooms including accessories.	set	41.00		-
2.07	Removal of existing lighting fixtures at DMCT Building.	set	232.00		-
2.08	Removal of roofing materials at DMCT Building.	sqm	1,435.00		-
<b>TOTAL FOR BILL NO. 2</b>					-
<b>BILL NO. 3</b>	<b>STEEL REINFORCEMENT</b>				
3.01	Supply and install reinforcing steel bars for the enclosure of stair at the southwest part of DMCT Bldg.	kgs	457.85		-
<b>TOTAL FOR BILL NO. 3</b>					-

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

# BILL OF QUANTITIES

## IMPROVEMENT OF DMCT BUILDING'S INTERIOR AND ROOFING AT PORT CAPINPIN, ORION, BATAAN

Port Capinpin, Orion, Bataan



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
<b>BILL NO.</b> 4.01	<b>4 CONCRETING WORKS</b> Supply and place 3500 PSI concrete for the enclosure of stair at the southwest part of DMCT Bldg.	cu.m	4.12		-
<b>TOTAL FOR BILL NO. 4</b>					-
<b>BILL NO.</b> 5.01	<b>5 TILE WORKS</b> Repair/Replacement of wall tiles and floor tiles at male, female, PWD comfort rooms including lavatory counter; Ground Floor, Departure Area, Mezzanine floor, balcony and tiles on the northeast stair including nosing of DMCT Bldg.	sqm	1,315.36		-
<b>TOTAL FOR BILL NO. 5</b>					-
<b>BILL NO.</b> 6.01	<b>6 ROOFING WORKS</b> Repair/Replacement of roofing material including application of rubber sealant, roof protective coating, and Surface-Tolerant and Corrosion Resistant Coating of Roof Trusses at DMCT Building.	li.m	1,982.00		-
<b>TOTAL FOR BILL NO. 6</b>					-
<b>BILL NO.</b> 7.01	<b>7 CEILING WORKS</b> Repair/Replacement of ceiling at male, female, PWD comfort rooms, ceiling under the southwest stair and provision of ceiling material for Mezzanine floor of DMCT Bldg. including hangers and supports	sqm	870.56		-
<b>TOTAL FOR BILL NO. 7</b>					-
<b>BILL NO.</b> 8.01	<b>8 PAINTING WORKS</b> Painting of ceiling at at male, female, PWD comfort rooms, ceiling under the southwest stair including preparation.	sqm	870.56		-
<b>TOTAL FOR BILL NO. 8</b>					-

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Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

# BILL OF QUANTITIES

**IMPROVEMENT OF DMCT BUILDING'S INTERIOR AND ROOFING AT PORT CAPINPIN, ORION, BATAAN**

Port Capinpin, Orion, Bataan



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
<b>BILL NO.</b> 9.01	<b>9 WALL PARTITIONS</b> Repair/Replacement of toilet partitions at male, female, and PWD comfort rooms including accessories.	sqm	62.84		-
<b>TOTAL FOR BILL NO. 9</b>					-
<b>BILL NO.</b> 10.01	<b>10 DMCT COMFORT ROOM</b> Repair/Replacement of toilet fixtures at male, female, and PWD comfort rooms including repair of damaged pipings and accessories.	lot	1.00		-
10.02	Repair/Replacement of Comfort Room Doors and windows Including Installation of lavatory counter cabinets.	lot	1.00		-
<b>TOTAL FOR BILL NO. 10</b>					-
<b>BILL NO.</b> 11.01	<b>11 ELECTRICAL WORKS</b> Supply, delivery and install lighting fixture (LED Square Light) at East and West Wing of DMCT including exhaust fan and accessories; (LED Battens and High Bay Eco-Industrial Light) at Center Ceiling; (LED Square and Circular Light) at DMCT CR; and (T8 LED Lamp including housing) at Ground Floor of DMCT Building including accessories.	lot	1.00		-
11.02	Supply and Install lighting switch, convenience outlet and aircon outlet at DMCT Building	set	90.00		-
11.03	Supply and Install Distribution panel board at Electrical Room of DMCT Building	assy	6.00		-
11.04	Supply and Install Main Distribution Panel Board	lot	1.00		-
11.05	Supply, Delivery and Install Panel Board at the Mezzanine floor Including 3-22mm2 THHN Cu wires, pvc pipes and accessories	lot	1.00		-
<b>TOTAL FOR BILL NO. 11</b>					-

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

# BILL OF QUANTITIES

## IMPROVEMENT OF DMCT BUILDING'S INTERIOR AND ROOFING AT PORT CAPINPIN, ORION, BATAAN

Port Capinpin, Orion, Bataan



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
<b>BILL NO.</b> 12.01	<b>12 CANOPY</b> Repair/Replacement of ceiling at male, female, PWD comfort rooms, ceiling under the southwest stair and provision of ceiling material for Mezzanine floor of DMCT Bldg. including hangers and supports	li.m	204		-
<b>TOTAL FOR BILL NO. 12</b>					-
<b>BILL NO.</b> 13.01	<b>13 PPA LOGO</b> Painting of ceiling at at male, female, PWD comfort rooms, ceiling under the southwest stair including preparation.	lot	1		-
<b>TOTAL FOR BILL NO. 13</b>					-
<b>GRAND TOTAL</b>					-

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

## BASIS OF PAYMENT FOR WORK ITEMS INCLUDED IN THE PROPOSAL

The work items included in the proposal and the basis of payments are as follows:

### BILL NO. 1

#### GENERAL EXPENSES

**Item 1.01      Mobilization and Demobilization / Clean-up**

The quantity to be paid for shall be the minimum equipment requirement enumerated in the bid documents mobilized, demobilized and cleaning of the site and accepted by the Engineer. The contract lump sum price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to mobilize and demobilize all the minimum equipment requirement enumerated in the bid documents including cleaning of the site. Fifty percent (50%) of the total amount shall be payable after the mobilization activity while the remaining (50%) payable after demobilization and cleaning.

**Item 1.02      Provision of Construction Safety and Health Program**

The quantity to be paid for shall be the actual implementation of construction safety and health program and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the implementation of the Construction Safety and Health Program, as required and approved by the Department of Labor and Employment (DOLE).

### BILL NO. 2

#### REMOVAL / DISPOSAL WORKS

**Item 2.01      Removal of existing stair at the southwest part of DMCT Building; disposal of debris**

The quantity to be paid for shall be the actual area of the existing stair to be removed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.02      Removal of wall tiles and floor tiles at male, female and PWD comfort rooms, Mezzanine floor, balcony and tiles on the northeast stair of DMCT Bldg.; disposal of debris**

The quantity to be paid for shall be the actual area of tiles to be removed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.03      Removal/Chipping of walls and flooring at male and PWD comfort rooms to give way for the repair of sanitary pipings at DMCT Bldg.; disposal of debris**

The quantity to be paid for shall be the actual area of tiles to be removed/chipped in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.04      Removal of ceiling at male, female, PWD comfort rooms, and ceiling under the southwest stair of DMCT Bldg.**

The quantity to be paid for shall be the actual area of ceiling to be removed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price



shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.05      Removal of toilet partitions at male, female and PWD comfort rooms**

The quantity to be paid for shall be the actual area of toilet partitions to be removed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.06      Removal of toilet fixtures at male, female and PWD comfort rooms including accessories**

The quantity to be paid for shall be the actual quantity of toilet fixtures including accessories to be removed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.07      Removal of existing lighting fixtures at DMCT Building**

The quantity to be paid for shall be the actual quantity of lighting fixtures to be removed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.08      Removal of roofing materials at DMCT Building**

The quantity to be paid for shall be the actual area of roofing to be removed including accessories in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**BILL NO. 3**

**STEEL REINFORCEMENT**

**Item 3.01      Supply and install reinforcing steel bars for the enclosure of stair at the southwest part of DMCT Building**

The quantity to be paid for shall be the actual weight in kilogram of reinforcing steel bars to be supplied and installed for the enclosure of stair at the southwest part of DMCT Building in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**BILL NO. 4**

**CONCRETING WORKS**

**Item 4.01      Supply & place 3,500 psi. concrete for the enclosure of stair at the southwest part of DMCT Building**

The quantity to be paid for shall be the actual volume in cubic meter of 3,500 psi. concrete to be supplied and set-in-place for the enclosure of stair in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**BILL NO. 5**

## **TILE WORKS**

- Item 5.01**      **Repair/Replacement of wall tiles and floor tiles at male, female, PWD comfort rooms including lavatory counter; Ground floor, Departure Are, Mezzanine Floor, Balcony and tiles on the northeast stair including nosing of DMCT Bldg.**

The quantity to be paid for shall be the actual area of tile works to be repaired/replaced in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

## **BILL NO. 6**

## **ROOFING WORKS**

- Item 6.01**      **Repair/Replacement of roofing material including application of rubber sealant, roof protective coating and surface tolerant and corrosion resistant of roof trusses at DMCT Building**

The quantity to be paid for shall be the actual area of roofing to be repaired/replaced including application of rubber sealant, roof protective coating and surface tolerant and corrosion resistant of roof trusses in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

## **BILL NO. 7**

## **CEILING WORKS**

- Item 7.01**      **Repair/Replacement of ceiling at male, female, PWD comfort rooms and ceiling under the southwest stair including ceiling material for Mezzanine floor of DMCT Bldg. including hangers and supports**

The quantity to be paid for shall be the actual area of ceiling to be repaired/replaced in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

## **BILL NO. 8**

## **PAINTING WORKS**

- Item 8.01**      **Painting of ceiling at male, female, PWD comfort rooms and ceiling under the southwest stair including preparation.**

The quantity to be paid for shall be the actual area of ceiling to be prepared and painted in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

## **BILL NO. 9**

## **WALL PARTITIONS**

- Item 9.01**      **Repair/Replacement of toilet partitions at male, female and PWD comfort rooms including accessories**

The quantity to be paid for shall be based on the completeness of the toilet partitions including its accessories in accordance with the plans and specifications and accepted by

the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

## BILL NO. 10

### DMCT COMFORT ROOMS

**Item 10.01     Repair/Replacement of toilet fixtures at male, female and PWD comfort rooms including repair of damaged pipings and accessories**

The quantity to be paid for shall be the actual quantity of toilet fixtures including accessories to be installed including the repair of plumbing connections in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 10.02     Repair/Replacement of comfort room doors and windows including installation of lavatory counter cabinets**

The quantity to be paid for shall be the actual quantity of doors, windows and lavatory counter cabinet to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

## BILL NO. 11

### ELECTRICAL WORKS

**Item 11.01     Supply, delivery and install lighting fixture (LED Square Light) at East and West Wing of DMCT including exhaust fan and accessories; (LED Battens and High Bay Eco-Industrial Light) at Center Ceiling; (LED Square and Circular Light) at DMCT CR; and (T8 LED Lamp including housing) at Ground floor of DMCT Building including accessories**

The quantity to be paid for shall be based on the completeness of the lightning fixtures installed and shall be well functioning in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 11.02     Supply and install lighting switch, convenience outlet and aircon outlet at DMCT Building**

The quantity to be paid for shall be based on the completeness of the electrical accessories installed and shall be well functioning in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 11.03     Supply and install Distribution Panel Board at Electrical Room of DMCT Building**

The quantity to be paid for shall be based on the completeness of assembly of Panel Boards installed including all its accessories in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 11.04     Supply and install Main Distribution Panel Board**

The quantity to be paid for shall be based on the completeness of assembly of Panel Boards installed including all its accessories in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 11.05      Supply, delivery and install Panel Board at Mezzanine Floor including 3-22mm<sup>2</sup> THHN Cu wires, PVC pipes and accessories**

The quantity to be paid for shall be based on the completeness of Panel Board installed including all its accessories in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**BILL NO. 12**

**CANOPY**

**Item 11.01     Supply, fabricate and install rectangular steel tubing for canopy on side of departure area including roofing materials and accessories.**

The quantity to be paid for shall be the actual length of rectangular steel tubing fabricated and installed including its roofing materials and accessories in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**BILL NO. 13**

**PPA LOGO**

**Item 11.01     Supply and install PPA Logo at DMCT Building**

The quantity to be paid for shall be the completeness of Stainless PPA Logo and Signage and Acrylic Built Lighted PPA Logo and Signage to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**FACILITIES TO BE PROVIDED FOR THE ENGINEER & HIS STAFF**

**RENTAL OF SITE OFFICE AND RESIDENCE FOR THE ENGINEER & STAFF**

The Contractor shall provide a temporary site office and residence (rental) with an area of at least 48 square meters for use of the Engineer and his staff for the whole duration of the project.

**MINIMUM MAJOR EQUIPMENT REQUIREMENTS**

1	unit/s	Air Compressor (86-125 cfm, minimum) with Jackhammer, owned
1	unit/s	Bar Bender (electric, 16mm dia min.), owned
1	unit/s	Bar Cutter (electric, 16mm dia min.), owned
1	unit/s	Concrete Mixer (1 bagger, minimum), owned
1	unit/s	Concrete Vibrator, owned
1	unit/s	Cranes/Boom (16-20T) Truck Mounted, owned/leased
1	unit/s	Dump Truck (9.17 cu.m., minimum), owned/leased
2	unit/s	Electric Drill, owned
2	unit/s	Electric Grinder, owned
1	unit/s	Roof Bending Machine, owned/leased
1	lot	Scaffolding, owned/leased
2	unit/s	Tile Cutter, owned
1	unit/s	Welding Machine (400 amp., minimum), owned

## CONSTRUCTION SAFETY AND HEALTH REQUIREMENT

The Contractor shall implement the construction safety and health program in accordance with the applicable provisions of the Occupational Safety and Health Standards (OSHS) of the Department of Labor and Employment (DOLE).

The Contractor, subject to the approval of the Engineer shall provide and maintain throughout the duration of the contract a medical room with at least 15 square meters together with all necessary supplies to be sited in the Contractor's main area.

The Contractor shall provide the following minimum requirements:

### LABOR

1 no. Safety Engineer / Officer

### EQUIPMENT / MATERIALS

#### Personnel Protective Equipment

1 lot Safety Gears  
- Safety Helmet  
- Safety Vest  
- Safety Gloves  
- Safety Harness  
- Safety Goggles

#### Safety Devices

1 lot Barricades, warning signs and other appropriate tools

Medical and First Aid System - 1 lot

### NOTE:

The Contractor shall provide the above-cited minimum construction safety and health requirements or as required by the Engineer.



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### REVISED SCHEDULE OF MINIMUM TEST REQUIREMENTS OF CONSTRUCTION MATERIALS FOR PPA INFRASTRUCTURE PROJECTS

<i>Materials/Items of Work</i>	<i>Required Tests</i>	<i>Minimum Incremental Frequency of Tests</i>
<b>I. Construction of Pier/Wharf, Platform and Ramp</b>		
<b>Structural Concrete (SC)</b>		
A Portland Cement	Quality Test	For every 2,000 bags (40kg) or fraction thereof
B Fine Aggregate	Quality Test for Grading, Elutriation (wash), Bulk Specific Gravity, Absorption, Mortar Strength, Soundness, Organic Impurities, Unit Weight, % Clay Lumps and Shale	For every 1,500 cubic meter or fraction thereof
C Coarse Aggregate	Quality Test for Grading, Bulk Specific Gravity, Absorption and Abrasion	For every 1,500 cubic meter or fraction thereof
D Water	Certificate from the Engineer or Quality Test for Density and Chloride Content	One per source
E Steel Bars	M/I Certificate and Quality Test for Chemical Composition and Mechanical Properties	For every 10,000 kg or fraction thereof
F Concrete	Compressive Strength on cylinder samples	1 set consisting of 3 concrete cylinder samples shall be taken from each day's pouring and to represent not more than 75 cu m of concrete or fraction thereof
	Slump Test	For every mix
G Admixture and Concrete Curing Materials	Quality Test	One per shipment
<b>Piling (P)</b>		
A Concrete Piles	Fabrication Report	One per fabrication
1 Concrete	Same test as for SC (F)	Same frequency as SC (F)
2 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
3 High Tension Strand	Test for Chemical Composition and Mechanical Properties	For every 20000kg or fraction thereof

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
4 Coarse Aggregates	Same Test as for SC (C)	Same frequency as SC (C)
5 Fine Aggregates	Same Test as for SC (B)	Same frequency as SC (B)
B Steel Pipe Piles	Fabrication Report, Mill Certificate and Quality Test for Chemical and Mechanical properties	One per fabrication
1 Steel	Chemical Composition (refer below) <ul style="list-style-type: none"> <li>Under 14" (355 60mm) Outside Diameter</li> <li>14" to 36" (355 6 to 914mm) Outside Dia</li> <li>Over 36" (914mm) Outside Diameter</li> </ul> Mechanical/Tensile	2 from 200 pipe of fraction thereof 2 from 100 pipe or fraction thereof 2 from 3000ft (914m) or fraction thereof One (1) tension test shall be made on one length or fraction thereof of each size, or one piece of skelp representing each lot of 200 lengths or fraction thereof of each size
2 Polyurethane Coating	Mill Certificate and Quality Test	One per fabrication
3 Concrete	Same test as for SC (F)	Same frequency as SC (F)
4 Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
5 Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
6 Steel Bars	Same Test as SC (E)	Same frequency as SC (E)
7 Water	Same Test as SC (D)	Same frequency as SC (D)
Rubber Dock Fenders (RDF)	Physical Test Performance Test for Energy Absorption and Reaction Force	All units All units
Accessories Washer and Fixing Bolt, Anchor Bolt	Physical Test Quality Test for Chemical Composition and Mechanical Properties	All units One per fabrication

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Mooring Bollard (MB) and Accessories (Hexagon Nuts, Plain Washer, Anchor Ring and Anchor Bolt)	Physical Test  Quality Test for Chemical Composition and Mechanical Properties	All Units  One per fabrication
<b>II. Construction of Back-Up Area, Causeway and Pavement</b>  Sheet Piling (SP)  A Concrete Sheet Piles  1 Concrete  2 Steel Bars  3 High Tension Strands  4 Fine Aggregates  5 Coarse Aggregates  B Steel Pipe Piles  1 Steel  2 Concrete  3 Fine Aggregate  4 Steel Bars	    Same test as for SC (F)  Same test as for SC (E)  Same test as for P (A 3)  Same test as for SC (B)  Same Test as for SC (C)    Same test as for P (B1)  Same test as for SC (F)  Same test as for SC (B)  Same test as for SC (E)	    Same frequency as SC (F)  Same frequency as SC (E)  Same frequency as P (A 3)  Same frequency as SC (B)  Same frequency as SC (C)    Same frequency as P (B1)  Same frequency as SC (F)  Same frequency as SC (B)  Same frequency as SC (E)

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<b>Materials/Items of Work</b>	<b>Required Tests</b>	<b>Minimum Incremental Frequency of Tests</b>
Rocks	Test for Apparent Specific Gravity and Abrasion	For every 1,500 cubic meter or fraction thereof
Geotextile Filter	Physical and Mechanical Test Mill Certificate	One per batch One per batch
Sand and Gravel Fill	Quality Test for Organic Impurities and Grading	For every 1,500 cubic meter or fraction thereof
Selected Fill	Quality Test for Grading, Plasticity and Laboratory Compaction Test Laboratory California Bearing Ratio (CBR) Field Density Test	For every 1,500 cubic meter or fraction thereof For every 2,500 cubic meter or fraction thereof For every layer of 150mm of compacted depth at least one group of three In-situ density test for every 500 sq m or fraction thereof
Aggregate Base Course	Quality Test for Grading and Plasticity Quality Test for Grading, Plasticity, Abrasion and Laboratory Compaction Test Laboratory California Bearing Ratio (CBR) Field Density Test	For every 300 cubic meter or fraction thereof For every 1,500 cubic meter or fraction thereof Same frequency as Selected Fill Same frequency as Selected Fill
Portland Cement Concrete Pavement (PCCP)		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Steel Bars (Dowels)	Same test as for SC (E)	Same frequency as SC (E)
F Joint Filler	Quality Test	One (1) per shipment

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<b>Materials/Items of Work</b>	<b>Required Tests</b>	<b>Minimum Incremental Frequency of Tests</b>
G Admixture and Concrete Curing Material	Same test as for SC (G)	Same frequency as SC (G)
H Concrete	Same test as for SC (F) Flexural Test	Same frequency as SC (F) 3 beam samples for every 330 sq m or fraction thereof
I Completed Pavement	Core Test	1 set (3 specimen) for every 2,500 sq m and fraction thereof
<b>Interlocking Concrete Blocks</b>		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Admixture & Concrete Curing Materials	Same test as for SC (G)	Same frequency as SC (G)
F Completed Blocks	Physical Test and Compressive Strength	6 blocks per day of fabrication
<b>Cement Treated Base Course (CTB)</b>		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine & Coarse Aggregates	Quality Test for Grading, Abrasion and Soundness	For every 1,500 cubic meter or fraction thereof
C Water	Same test as for SC (D)	Same frequency as SC (D)
D Completed CTB	Field Density Test	For every layer of 150mm of compacted depth at least one group of three in-situ density test every 500 sq m or fraction thereof
<b>Retaining Wall/Coping Wall/RC Curb/RC Ditch/Shear Key/Concrete Blocks/Less Concrete</b>		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)

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<b>Materials/Items of Work</b>	<b>Required Tests</b>	<b>Minimum Incremental Frequency of Tests</b>
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
F Admixture and Concrete Curing	Same test as for SC (G)	Same frequency as SC (G)
G Concrete	Same test as for SC (F)	Same frequency as SC (F)
Tie Rod		
A Steel	Same test as for SC (E)	One per batch
B Assembly	Performance Test (Tension)	One per batch
Tie Bars and Dowels	Same test as for SC (E)	For every 10,000 kg or fraction thereof per Tie bars and Dowels
Pipe Culverts and Storm Drains		
A Pipes	Test for Strength, Absorption and Physical	For every 50 pieces
B Mortar or Joint	Same Test as for SC (A,B and D) Alternative Test Same test as for SC (F) and Inspection Report	For every 25 pieces
Concrete Hollow Blocks		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Water	Same test as for SC (D)	Same frequency as SC (C)
D Concrete	Same test as for SC (F)	Same frequency as SC (F)
E Completed CHB	Quality Test	One for every 500 pieces or fraction thereof
Construction Joints (CJ)		
A Angle Bars	Test for Physical and Mechanical Properties	One per batch
B Steel Bars	Same test as for SC (E)	One per batch
C Zinc (Hot Dip Galvanizing) Coatings	Physical Test for Appearance, Stripping, Weighing, Adherence and Adhesion  Coating Thickness Magnetic Thickness Measurement	All units  1 set (3 specimen) for every 100,000 sq mm or fraction thereof

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<b>Materials/Items of Work</b>	<b>Required Tests</b>	<b>Minimum Incremental Frequency of Tests</b>
<b>Sacked Concrete</b>		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Concrete	Same test as for SC (F)	Same frequency as SC (F)
F Sack (jute)	Physical Test	One for every 50 pieces
<b>Rubble Concrete</b>		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Concrete	Same test as for SC (F)	Same frequency as SC (F)
F Rocks	Same test as for ROCKS	Same frequency as ROCKS
<b>Earthworks</b>		
A Sub-grade preparation	Grading Test Plasticity Test (LL, PL, PI) Laboratory Compaction Test  Density Test	For every 1,500 cubic meter or fraction thereof  For every layer of 150mm of compacted depth at least one group of three In-situ density test every 500 sq m or fraction thereof
B Structure Excavation	If excavated materials shall be used as Backfill Grading Test Plasticity Test (LL, PL, PI) Laboratory Compaction Test  Density Test	For every 1,500 cubic meter or fraction thereof  For every layer of 150mm of compacted depth at least one group of three In-situ density test every 500 sq m or fraction thereof

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
<b>III Port Operations Building/Passenger Terminal Building/Transit Shed/Warehouse</b>		
<b>STRUCTURAL WORKS</b>		
Refer to Structural Concrete (SC) and Piling Works (P)		
<b>ARCHITECTURAL WORKS</b>		
Ceramic – Filled Liquid Membrane / Water Proofing, Hydrophobic Poreblocking Ingredients with Superplasticizer	Physical Property, Mechanical and Chemical Property, Leak Test / Flood Test	One per shipment
Paint	Quality Test	One 4-L can for every 100 cans or fraction thereof
Ceramic Tile	Inspection and Evaluation Report from the Engineer	One per shipment
Stainless Steel	Inspection and Evaluation Report from the Engineer	One per shipment
Roofing Materials	Inspection and Evaluation Report from the Engineer	One per shipment
Ceiling Materials	Inspection and Evaluation Report from the Engineer	One per shipment
<b>ELECTRICAL AND MECHANICAL WORKS</b>		
Wires / Cables	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Electrical Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Fire Alarm System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Wiring Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment



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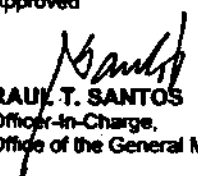
Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Protective Devices	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per shipment
Telephone System	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
CCTV System	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
CATV System	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
Background Music and Paging System	Inspection and Evaluation Report from the Engineer, Testing and Commissioning	One per item
Air Conditioning Units & Ventilation	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
Conduit Pipes	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
Lighting Fixtures	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
<b>PLUMBING WORKS</b>		
Pipes	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item

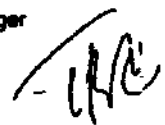
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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Fixtures	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
Pipe Culverts	Compression Strength  Inspection and Evaluation Report from the Engineer	For every size not more than 25 pipes cast in the field
<b>IV Miscellaneous Materials</b> Fencing A Barbed Wire, Cyclone Wire Mesh, Chain Link B Concrete Post	Physical Test (Dimensions and Coatings)  Refer to Superstructure (SC)	One per Batch  Refer to Superstructure (SC)
Lamp Post A Structural Steel B Zinc (Hot Dip Galvanizing) Coatings	Physical Test (Dimensions) Same test as for SC (E)  Same test as for CJ (C)	All units  One per batch
Drainage Steel Grating	Same test as for SC (E)  Inspection Report	One (1) batch
Metal Pipe (Cast Iron Galvanized, etc.)	Physical Test (Dimensions and Coatings)	1 per delivery
Welding Works	Destructive and Non Destructive Test	One (1) per lot

**NOTES** 1. Testing of RDF shall be performed only by an independent Testing Laboratory duly accredited by BRS, DOST and PPA  
2. Testing of other materials shall be performed only by an independent Testing Laboratory duly accredited by BRS and PPA.  
3. All other issuances which are otherwise inconsistent herewith are hereby revoked or otherwise amended.

Approved

  
**RAUL T. SANTOS**  
Officer-in-Charge,  
Office of the General Manager



## ***SECTION IX***

### ***CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS***

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class "A" Documents*

#### Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages)

#### Technical Documents

- ☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- ☐ (d) Special PCAB License in case of Joint Ventures; **and** registration for the type and cost of the contract to be bid; **and**
- ☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; **or**  
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ (f) Project Requirements, which shall include the following:
- ☐ a. Organizational chart for the contract to be bid;
  - ☐ b. List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;
  - ☐ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- ☐ (g) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

#### Financial Documents

- ☐ (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

### *Class "B" Documents*

- ☐ (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;  
or  
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

## II. FINANCIAL COMPONENT ENVELOPE

- ☐ (j) Original of duly signed and accomplished Financial Bid Form; and

*Other documentary requirements under RA No. 9184*

- ☐ (k) Original of duly signed Bid Prices in the Bill of Quantities; and  
☐ (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; and  
☐ (m) Cash Flow by Quarter.

***SECTION X***  
***BIDDING FORM***

**Bid Form for the Procurement of Infrastructure Projects**  
*[shall be submitted with the Bid]***BID FORM**

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

Project Identification No. : \_\_\_\_\_

To: **Philippine Ports Authority**  
PPA Building, Bonifacio Drive,  
South Harbor, Port Area, Manila

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers \_\_\_\_\_, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: **Improvement of DMCT Building's Interior and Roofing at Port Capinpin, Orion, Bataan.**
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: \_\_\_\_\_;
- d. The discounts offered and the methodology for their application are: \_\_\_\_\_;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of \_\_\_\_\_ percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines<sup>1</sup> for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

<sup>1</sup> currently based on GPPB Resolution No. 09-2020

- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the **Improvement of DMCT Building's Interior and Roofing at Port Capinpin, Orion, Bataan of the Philippine Ports Authority.**
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

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



**STATEMENT OF THE BIDDER'S ALL ONGOING GOVERNMENT AND PRIVATE CONTRACTS, INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED**

I hereby declare that all ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid are listed below:

Name of outstanding Contracts 1]	Owner's Name and Address	Scope of Work 2]	Contractor's Role and Percentage of Participation 3]	Total Contract Amount or Value 4]	Date of Contract and NOA 5]	Value of Outstanding Works 6]	Accomplishment (in percentage, %) 7]		Contract Duration 8]	
							Planned	Actual	Start of Project	Estimated Completion Date
A) Government Contracts i. On-going ii. Awarded but not yet started										
B) Private Contracts i. On-going ii. Awarded but not yet started										

**NOTE:**

- 1] As appearing in the contract executed by the parties.
- 2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
- 3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
- 4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso.
- 5] As appearing in the Contract and Notice of Award (NOA).
- 6] Amount or value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.
- 7] Percentage of Accomplishment as of the preceding month which should not be earlier than two (2) months from the date of bid submission.
- 8] As appearing in the Notice to Proceed and Contract.

This Statement shall be supported by:

- a) Notice of Award
- b) Notice to Proceed and Contract

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

\_\_\_\_\_  
Date

Revised: September 2021

**STATEMENT OF THE BIDDER'S SINGLE LARGEST COMPLETED CONTRACT (SLCC) SIMILAR TO THE CONTRACT TO BE BID**

Name of the completed Contract  1]	Owner's Name and Address	Scope of Work  2]	Contractor's Role and Percentage of Participation  3]	Total Contract Value At 4]			Date of Award  5]	Contract Duration 6]	
				Award	Completion	Escalated Value to Present Prices		Start	Completed

**NOTE :**

- 1] As appearing in the contract executed by the parties.  
 2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.  
 3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.  
 4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso. Attached the computation for the escalated contract value.  
 5] As appearing in the Notice of Award.  
 6] As appearing in the Notice to proceed and Certificate of Completion.
- A. The bidder must have an experience of having completed a SLCC that is similar to the contract to be bid equivalent to at least fifty percent (50%) of the ABC, adjusted if necessary, by the Bidder to current prices using the PSA consumer price indices. A contract is considered to be "similar" to the contract to be bid if it has the same Major Categories of Work as stated in the Bid Data Sheet (BDS).
- B. This Statement shall be supported by:
- Notice of Award, Notice to Proceed and Contract.
  - Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, which must be at least Satisfactory. The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/ Constructor, 3) Name of Contract, and 4) Contract Duration.
  - Recapitulation or Final Bill of Quantities.

\_\_\_\_\_  
Name of Firm\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)\_\_\_\_\_  
Date

Revised: September 2021

**STATEMENT OF THE BIDDER'S EXPERIENCE ON MAJOR CATEGORIES OF WORK OF THE SLCC INCLUDING OTHER COMPLETED CONTRACTS  
SIMILAR TO THE CONTRACT TO BE BID**

Major Categories of Work 1]	Unit of Measure 1]	Quantity 1]	SLCC similar to the contract to be bid 2]	Other completed contracts similar to the contract to be bid 2]				Unit of Measure 2]	Quantity 2]
			Name of the contract	Name of the contract	Name of the contract	Name of the contract			
1. Construction of Building	sq.m.	708							

**NOTE:**

1] As stated in the Bid Data Sheet.

2] As appearing in the Recapitulation and/ or Final Bill of Quantities.

This statement shall be supported by:

a. Notice of Award, Notice to Proceed and Contract.

b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, of at least satisfactory.

The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/Constructor, 3) Name of Contract, and 4) Contract Duration.

c. Recapitulation and/ or Final Bill of Quantities.

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
Signatory's Legal Capacity

\_\_\_\_\_  
Date

Revised: September 2021

FINANCIAL DATA

- A. The prospective bidder's audited Financial Statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "RECEIVED" by the Bureau of Internal Revenue (BIR), or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.

	Year
1. Total Assets	
2. Current Assets	
3. Total Liabilities	
4. Current Liabilities	
5. Net worth (1-3)	
6. Net Working Capital (2-4)	

- B. The computation of the bidders Net Financial Contracting Capacity (NFCC) must be at least equal to the ABC to be bid, as follows:

NFCC = [ (Current assets minus current liabilities) (15) ] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.

NFCC = \_\_\_\_\_

Attached herewith are certified true copies of the audited financial statements stamped received by the BIR or BIR authorized collecting agent for the latest/immediately preceding calendar year.

\_\_\_\_\_  
Name of Firm/Applicant

\_\_\_\_\_  
Authorized Signing Official

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

NOTES:  
If Partnership or Joint Venture, each Partner or Member Firm of Joint venture shall submit separate financial statements.

**STATEMENT OF THE BIDDER'S KEY PERSONNEL PLEDGED FOR THE CONTRACT TO BE BID**

I hereby declare that the following key personnel are qualified and available for the duration of the contract to be bid:

Position of Key Personnel 1)	Name	No. of Key Personnel	Similar Experience in the Position (Years) 2)	Total Experience in the Position (Years)	Attachment(s)	Annex(es)
Project Manager					PRC License (CE Preferred) Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "
Project Engineer					PRC License (CE Preferred) Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "
Materials Engineer					PRC License (CE Preferred) Submit Valid and Renewed DPWH Certificate of Accreditation Submit Accreditation Identification Card as Materials Engineer Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "
Construction Safety and Health Officer					Certificate of Safety and Health Construction Related Course issued by DOLE Accredited Trainings Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "
Foreman					Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "
Other Position(s)					Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "

**NOTE:** 1) As stated in the Bid Data Sheet

2) The number of years of experience of the key personnel shall be as indicated in the qualification and experience data or curriculum vitae.

**Minimum qualification requirements:** The key personnel must have a work experience that is similar in nature and complexity to the contract to be bid.

Project Manager - Five (5) years

Project Engineer - Three (3) years

Foreman - Five (5) years

Construction Safety and Health Officer – One (1) year

Materials Engineer – One (1) year

Materials Engineer I – for projects costing up to 100M

Materials Engineer II – for projects costing more than 100M

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

\_\_\_\_\_  
Date

Revised: September 2021

# **STATEMENT OF THE BIDDER'S EQUIPMENT PLEDGED FOR THE CONTRACT TO BE BID**

I hereby declare that the following equipment are in good operating condition and available for the duration of the contract to be bid:

DESCRIPTION (Type, Model, Make)	No. of Unit(s)	Capacity/ Output  1]	Owned, Leased, and/or under purchased agreement 2]	Proof of Ownership/ Leased/ Under Purchase Agreement (Mark as Annex "A.....Z") 3]	OTHER INFORMATION (As Applicable)				
					Manufacturer	Engine Serial No.	Chassis No./ Name of Vessel	Location	Status

**NOTE:**

- 1] The unit of capacity of the pledged equipment shall be as indicated in the Proof of Ownership, i.e. GW (for crane barge), DWT (for deck barge and hopper barge), Ton (for crane, road roller and drop hammer), kg.-m/blow (for diesel hammer), cu.m. (for dump truck), hp (for tugboat, road grader, bulldozer and concrete vibrator), cfm (for compressor), gal (for water truck with pump), amp (for welding machine), bagger (for concrete mixer). If the capacity of the pledged equipment is not indicated in the Proof of Ownership/Leased Contract/Purchased Agreement, submit other proof of capacity such as specifications, brochures or other verifiable printouts indicating the model name, model number and other details of the equipment.
- 2] Indicate if the pledged equipment are owned, leased or under purchase agreement.
- 3] If the pledged equipment is owned, it should be in the name of the bidder. Submit proof of ownership, i.e. deed of sale, sales invoice, official receipt; For owned Water Truck, Dump Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt; For owned barge/tugboat, submit Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

If the pledged equipment is leased/under purchased agreement, submit certification of availability of equipment from the equipment lessor/vendor for the duration of the project, and duly Notarized copy of leased contract/purchased agreement.

If the pledged barge/tugboat is leased/under purchase agreement, submit certification of availability of barge/tugboat from the equipment lessor/vendor for the duration of the project, and duly Notarized copy of leased contract/purchased agreement together with a copy of the Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

The Minimum Major Equipment Requirements are listed in Section 8, Annex 3.

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

\_\_\_\_\_  
Date

Revised: September 2021

**Omnibus Sworn Statement for Sole Proprietorship**  
*[shall be submitted with the Bid]*

REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

I, \_\_\_\_\_, of legal age, [Civil Status], [Nationality], and residing at \_\_\_\_\_, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the sole proprietor or authorized representative of \_\_\_\_\_ with office address at \_\_\_\_\_;
2. As the owner and sole proprietor, or authorized representative of \_\_\_\_\_, I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **IMPROVEMENT OF DMCT BUILDING'S INTERIOR AND ROOFING AT PORT CAPINPIN, ORION, BATAAN** of the Philippine Ports Authority, as shown in the attached duly notarized Special Power of Attorney;
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
  - a. Carefully examining all of the Bidding Documents;
  - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an

**obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_ day of \_\_, 20\_\_ at \_\_\_\_\_, Philippines.

\_\_\_\_\_  
Name of Bidder/ Authorized Representative  
(Signatory's Legal Capacity)  
AFFIANT

**[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*



**Omnibus Sworn Statement for Partnership or Cooperative**  
*[shall be submitted with the Bid]*

REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

I, \_\_\_\_\_, of legal age, [Civil Status], [Nationality], and residing at \_\_\_\_\_, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of \_\_\_\_\_ with office address at \_\_\_\_\_;
2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **IMPROVEMENT OF DMCT BUILDING'S INTERIOR AND ROOFING AT PORT CAPINPIN, ORION, BATAAN** of the **Philippine Ports Authority**, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
  - a. Carefully examining all of the Bidding Documents;
  - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an

obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_ day of \_\_, 20\_\_ at \_\_\_\_\_, Philippines.

\_\_\_\_\_  
Name of Bidder/ Authorized Representative  
(Signatory’s Legal Capacity)  
AFFIANT

[Jurat]  
*[Format shall be based on the latest Rules on Notarial Practice]*

**Omnibus Sworn Statement for Corporation or Joint Venture**  
*[shall be submitted with the Bid]*

REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

I, \_\_\_\_\_, of legal age, [Civil Status], [Nationality], and residing at \_\_\_\_\_, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of \_\_\_\_\_ with office address at \_\_\_\_\_;
2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **IMPROVEMENT OF DMCT BUILDING'S INTERIOR AND ROOFING AT PORT CAPINPIN, ORION, BATAAN**, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
  - a. Carefully examining all of the Bidding Documents;
  - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public

**and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_ day of \_\_, 20\_\_ at \_\_\_\_\_, Philippines.

\_\_\_\_\_  
Name of Bidder/ Authorized Representative  
(Signatory's Legal Capacity)  
AFFIANT

**[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*

**Bid Securing Declaration Form**  
*[shall be submitted with the Bid if bidder opts to provide this form of bid security]*

---

REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_) S.S.

**BID SECURING DECLARATION**  
**Project Identification No.:** \_\_\_\_\_

**To: Philippine Ports Authority**  
PPA Building, Bonifacio Drive,  
South Harbor, Port Area, Manila

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
  - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
  - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
  - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_ day of [month] [year] at [place of execution].

\_\_\_\_\_  
Name of Bidder/ Authorized Representative  
(Signatory's Legal Capacity)  
AFFIANT

**[Jurat]**  
*[Format shall be based on the latest Rules on Notarial Practice]*

CONSTRUCTION METHODOLOGY

Name of Project : \_\_\_\_\_  
Project Description : \_\_\_\_\_  
Location : \_\_\_\_\_

MINIMUM SCOPE OF CONSTRUCTION METHODOLOGY

A. STAIR  
Area = 27.45 sq.m.

- Supply and place 3,500 psi concrete (4.12 cu.m.) and reinforcing steel bars (457.85 kg of various sizes) for stair enclosure.
  1. Chipped the perimeter of the stair located at the southwest part of the building until reached the desired length of exposed rebar
  2. Disposed the unnecessary debris
  3. Fabricate and install formworks
  4. Fabricate and install reinforcing bars (457.85 kgs) and splice it to the existing exposed rebar
  5. Supply and place 3500psi concrete (4.12 cu.m.) to its desired thickness
  6. Let the concrete be cured then removed the formworks and prepare for the installation of tiles.

B. TILE WORKS  
Area = 1,315 sq.m

- Supply, deliver and install floor and wall tiles (1,315.36 sq.m of various sizes) for Ground Floor, Mezzanine Floor, and Comfort Rooms.
  1. Remove and dispose existing tiles specified on the plans
  2. Prepare, clean and freed the surface from dirt and dust.
  3. Mix and apply mortar to tiles per manufacturer's recommendations.
  4. Lay tiles according to plan/layout and place spacers for even spacing and let it be cured.
  5. Remove spacer then seal the tiles spaces with tile grout. Let it set then clean the excess grout.

C. ROOFING WORKS  
Length = 1,982 li.m

- Supply, deliver and install Hi-Rib Roofing materials (1,982 li.m) including roofing accessories
  1. Remove existing roofing materials
  2. Apply tolerant and corrosion resistant coating on roof trusses.

3. Install roofing insulation.
4. Curved the roofing material using roll forming machine.
5. Place and install long span Hi-Rib roofing and fastened with appropriate hardware.
6. Install flashing and other roofing accessories including eaves.
7. Apply rubber sealant on joints
8. Apply roofing protective coating
9. Conduct water testing for leak proofing.

#### **D. CEILING/PAINTING WORKS**

**Area = 870.56 sq.m**

- Supply, deliver and install fiber cement board ceiling on comfort rooms and mezzanine floor in paint finish (420.56 sq.m)
  1. Remove existing ceiling materials at comfort rooms
  2. Install ceiling frames and ceiling boards (Ficem Board) at comfort rooms and mezzanine floor (East and West Wing).
  3. Fastened joints with mesh tape.
  4. Apply putty and let it cure.
  5. Use sander to avoid uneven surface.
  6. Clean the surface in preparation for painting.
  7. Apply 1 coat of flat latex for primer and 2 coats of semi-gloss latex paint for final finish
- Supply, deliver and install ceiling material (Biowood ceiling profiles) at the center area of Mezzanine Floor including framing.
  1. Install appropriate ceiling frames, hangers and support at the center area of Mezzanine Floor
  2. Install the Biowood ceiling panel including bracings and edge profile
  3. Apply coating system for final touch to avoid surface deterioration

#### **E. WALL PARTITIONS**

**Area = 62.84 sq.m.**

- Supply, deliver and install laminated toilet partitions including accesories
  1. Removed existing toilet partition including its accessories
  2. Install pre-fabricated laminated partition at comfort rooms including partitions on urinals and appropriate locksets and accessories.

#### **F. PLUMBING WORKS**

- Correction of plumbing lines and connections including replacement and installation of plumbing fixture

1. Chipped the flooring and walls of comfort rooms to locate the existing sewer and water lines
2. Replace the existing plumbing pipes including its accessories in accordance with the plumbing layout and conduct declogging.
3. Upon correction of plumbing lines, seal the flooring and place tiling.
4. Install plumbing fixtures and conduct testing for possible leaks.

#### **G. ELECTRICAL WORKS**

- Installation of Lighting fixtures, switches, outlets and accessories
- Supply and install panel boards (8 assembly)

#### **H. CANOPY**

- Supply, fabricate and install rectangular hollow steel (RHS) for framing of canopy and polycarbonate sheet for roofing including accessories.

#### **I. PPA LOGO**

- Supply and install Stainless steel PPA lettering and Logo and Acrylic Built-In Lighted PPA Logo and Signage



**NOTES:**

The narrative construction method will guide and familiarize the contractor and the PPA on how the project shall be carried out in accordance with the highest standard of workmanship.

The construction method shall be consistent with the Bar Chart / S-Curve Schedule, Equipment Schedule and Manpower Schedule.

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

Revised: September 2021

MANPOWER SCHEDULE

Name of Project : \_\_\_\_\_

Project Description : \_\_\_\_\_

Location : \_\_\_\_\_

MANPOWER (Minimum)	CONTRACT DURATION ( 240 Calendar Days)																							
	M O N T H L Y																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Project Manager																								
Project Engineer																								
Materials Engineer II																								
Construction Safety and Health Officer																								
Foreman																								
Specify other applicable positions, ie.:																								
- Carpenter																								
- Steelman																								
- Mason																								
- Electrician																								
- Rigger																								
- Others																								

Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

Revised: September 2021

**Name of Project** : \_\_\_\_\_

**Project Description** : \_\_\_\_\_

**Location** : \_\_\_\_\_

[illegible]

Revised: September 2021

**Name of Project:** \_\_\_\_\_

**Project Description** \_\_\_\_\_

**Location** \_\_\_\_\_

Improvement of DMCT Building's Interior and Roofing  
Port Capinpin, Orton, Bataan

## **Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)**

*[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]*

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### **CONTRACT AGREEMENT**

THIS AGREEMENT, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ between **Philippine Ports Authority** with principal office at PPA Building, Bonifacio Drive, South Harbor, Port Area, Manila (hereinafter called the "Entity") and **[name and address of Contractor]** (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute Improvement of DMCT Building's Interior and Roofing at Port Capinpin, Orion, Bataan (CAP-BNA-03-2023) (hereinafter called "the Works") and the Entity has accepted the Bid for **[contract price in words and figures in specified currency]** by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

#### **NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, viz.:

- a. Philippine Bidding Documents (PBDs);
  - i. Drawings/Plans;
  - ii. Specifications;
  - iii. Bill of Quantities;
  - iv. General and Special Conditions of Contract;
  - v. Supplemental or Bid Bulletins, if any;
- b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- c. Performance Security;
- d. Notice of Award of Contract and the Bidder's conforme thereto; and

- e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.

3. In consideration for the sum of **[total contract price in words and figures]** or such other sums as may be ascertained, **[Named of the bidder]** agrees to **[state the object of the contract]** in accordance with his/her/its Bid.
4. The **Philippine Ports Authority** agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

**JAY DANIEL R. SANTIAGO**  
General Manager

for:

**Philippine Ports Authority**

**Name of Bidder/ Authorized  
Representative**  
(Signatory's Legal Capacity)

for:

**Contractor**

**Acknowledgment**

*[Format shall be based on the latest Rules on Notarial Practice]*