

TERMS OF REFERENCE

RENOVATION OF PPA BUILDING MAIN LOBBY

1. OBJECTIVES

The Philippine Ports Authority seeks to renovate the Head Office, particularly the Main Lobby, to keep up with the times boost productivity and provide a conducive workplace for the employees. Since 2007, this is the first time that PPA will be undergoing office renovations.

2. SCOPE OF WORK

One (1) lot comprises the following components:

- A. Demolition and Removal Works
- B. Architectural Finishes
- C. Painting
- D. Carpentry and Joinery Works
- E. Electro-Mechanical Works
- F. Supply, Relocation and Installation of Sprinkler Head

3. APPROVED BUDGET FOR THE CONTRACT

The Approved Budget for the Contract is **Four Million Two Hundred Forty-Three Thousand Five Hundred Eighty-Three and 87/100 (P4,243,583.87) Pesos.**

4. PLANS/DRAWINGS, TECHNICAL SPECIFICATIONS AND BILL OF QUANTITIES (BOQ)

- A. Demolition and Removal Works (*See Annex A*)
- B. Architectural Finishes (*See Annex B*)
- C. Painting (*See Annex C*)
- D. Carpentry and Joinery Works (*See Annex D*)
- E. Electro-Mechanical Works (*See Annex E*)
- F. Supply, Relocation and Installation of Sprinkler Head (*See Annex F*)

5. DELIVERY

- Delivery to PPA Head Office must be within one hundred twenty (120) calendar days from the receipt of Notice to Proceed.

6. WARRANTY

- One (1) year warranty on manufacturer defects from the date of receipt of the Acceptance.
- Winning bidder shall provide free labor and replacement of parts within the said warranty period.
- Within the warranty period, the supplier shall within seventy two (72) hours from notice, replace or repair the defective goods or parts thereof at no cost to PPA.


7. PAYMENT

- 35% upon completion of the corresponding percentage of renovation works.
- 35% upon completion of another 35% of renovation works.
- 30% upon full completion of renovation works and delivery of furniture and fixtures. Certificate of Completion & Acceptance shall be provided by the procuring entity/end-user for purposes of payment.

8. OTHER REQUIREMENTS

Must have completed a single contract similar to the contract to be bid whose value must be at least equivalent to fifty percent (50%) of the ABC. For this purpose, a similar contract means contract for the Interior Renovation/Fit-out or Supply and Delivery of Furniture & Fixtures.


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ITEM 01 : REMOVAL AND DISPOSAL WORKS**Description**

The work includes the furnishing of all labor, materials and equipment required to carry out the demolition and removal works as required for the execution of the Contract.

The Contractor shall submit the proposed methodology or procedure of demolition work with detailed drawings and calculations if necessary, to the Project-In-Charged for approval, before the execution of the Works.

General Provisions

1. The Contractor shall be deemed to have satisfied himself of the site conditions, and to have included in his unit prices provision for all risks that may arise during or in connection with the work.
2. Materials coming from the demolition works, except general earth, shall remain the property of the Procuring Entity, the designated part of which shall be stored by the Contractor at places specified by the Project-In-Charged / Accepting authority. Receiving copy of Turn-Over Report shall be provided.
3. The Contractor shall set-up a temporary board up for security purpose after the removal works.

Execution

1. Prior to the commencement of demolition works, the alignments of the new construction works to existing structure shall be checked.
2. Materials coming from the demolition works shall be properly disposed by the Contractor.
3. All openings and any entry point shall be barricaded with temporary plywood, wood bracings and nails or any similar material for the purpose of boarding up the building.

SAFETY

During the course of survey and clearing, any obstacles which are recognized and seemed to be explosive or hazardous to workers shall be removed from the site by the proper Authority.

At the end of each day's work, the Contractor shall keep the workplace in safe condition and clean so that no part is in danger of falling or creating hazard to personnel or equipment.

ITEM 02 : FINISHES**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 by this section consist of furnishing all labor, materials, equipment, tools and incidentals necessary to undertake, complete all finishing works and painting for the buildings as indicated on the drawings and as specified herein.

Wall, floor, ceiling and other finishing works shall include but are not limited to the following:

WALL**3.01 Expanded Polystyrene Panel (EPS)**

Expanded Polystyrene (EPS) is a lightweight cellular plastic material consisting of small hollow spherical balls. It is this closed cellular construction that gives EPS its remarkable characteristics.

EPS is produced in a wide range of densities providing a varying range of physical properties. These are matched to the various applications where the material is used to optimize its performance and strength.

Use 100 mm thick light weight non bearing composite wall, composed of calcium silicate cement board with a mixture of cement, expanded polystyrene (EPS) and sand bonded together using technical additives.

EXECUTION**1. Check and setup the area**

Repair uneven or unlevelled surfaces before cleaning the area

2. Wall Positioning

Use leveling device to prepare area for wall panel installation.

3. Prepare Adhesive

Prepare the cement adhesive and lay it on the foundation

4. Sizing and Cutting the Panels

Cut to size using a circular saw according to specifications

5. Installing the Panels

- Install panel in upright position
- Apply cement adhesive in between panels
- Use a crowbar to move wall panel to the desired position
- Use rubber or wood wedge to temporarily align wall panel
- Secure panels by driving 8mm diameter x 250mm rebar at 45° into panels and slab to hold in place. Use same method for joining panels together

6. Grouting

- Apply grout to panel joints
- Spray PU foam between panel and structural joint

7. Clean Up

Remove excess grout using scrapper before it dries

3.02 Finishes

WF -1 - 600mm X 1200mm Borgogna White Wall tiles. (or approved Equivalent)

Layout as shown in the plans.

EXECUTION

Use large tile and stone mortar tile adhesive or approved equivalent.

Surface Preparation

All substrates should be structurally sound, stable, dry, clean, and free of any substance or condition that may reduce or prevent proper adhesion.

Mixing

Before starting, take appropriate safety precautions and choose all appropriate safety equipment.

1. Into a clean mixing container, pour about 6-6.5 US qts. (5.68-6.15 L) of clean water.
2. Gradually add 50 lbs ((22.7 kg) of powder while slowly mixing using an electric drill with an angled cross-blade mixer or double-box mixer.
3. Continue low- speed mixing (at about 300 rpm) for about 3 minutes until the mixture becomes a smooth, lump- free paste. Avoid prolonged mixing.
4. Let the mixture stand for 5 minutes.

5. Remix for 2 minutes.
6. If the mixture becomes heavy or stiff within 2 hours, remix without adding more liquid.

Product Application

1. Choose a notched trowel with the sufficient depth to achieve > 80% mortar contact to both the tile and substrate for all the interior applications, and >95% for exterior installations, commercial floor and wet applications. It may be necessary to back – butter in order to reach these requirements.
2. With pressure, apply a coat by using the trowel's flat side to key mortar into the substrate.
3. Apply additional mortar, combing it in a single direction with the trowel's notched side.
4. Spread only as much as mortar as can be tiled while still tacky. Open time can vary with jobsite conditions.
5. Place the tiles firmly into the wet mortar. Push the tiles back and forth in a direction perpendicular to trowel lines, to collapse the mortar ridges and help achieve maximum coverage. Ensure proper contact between the mortar, tile and substrate by periodically lifting a few tiles to check for acceptable coverage.
6. Remove excess mortar from the joint areas so that at least 2/3 of the tile depth is available for grouting.

EXPANSION AND CONTROL JOINTS

- Provide for expansion and control as specified.
- Do not cover any expansion joints with mortar.

CLEAN UP

- While mortar is fresh, clean tools and tile with water.

PROTECTION

- Protect from foot traffic 24 hours before grouting
- Protect from heavy traffic, frost and rain for 7 days.

3.03 Wood Veneer

Use Walnut recon wood veneer on MDF backing will be used for the portal and the seat with selected good wood framing.

Location and details of the portal are shown in the plan.

Veneer is technically a thin layer of hardwood, usually thinner than 1/8 of an inch. Typically, veneer is bonded, or glued with adhesive, to a cheaper surface that is hidden below. A less expensive wood or particle board can often be found underneath.

Veneer can be sanded along the grain, painted and stained because it is real wood. When working with it though, you must be very careful not to overdo it, remembering that the layer is very thin and can quickly be worn down with a power sander.

3.04 Upholstery

Use Pattern 1118 Graph 03WH or approved equivalent for the wall of the portal.

Use Fabric for the seat cushion.

Design and details are shown in the plan.

3.05 Baseboard

Baseboards are also referred to as base or skirting. The main purpose of baseboard is to cover the joint between the wall surface and the floor, as well as for decorations.

Baseboard reveal in paint finish. Detail is shown in the plan.

3.06 Floors

Supply and installation of the following floor finishes. Details and locations are shown in the plan.

1. **FF1** - 800mm X 800mm GPS02 Phoebe Polished Porcelain Floor Tiles or approved equivalent

Location is shown in the plan.

2. **FF2** - Accent Flooring 800mm X 800mm Smoked Gray Matte Polished Porcelain Tiles or approved equivalent.

Location is shown in the plan.

3. **SS1** -4.5mm Stainless Steel strip Termination

Location is shown in the plan.

- a. Floor tiles shall be color varies and as shown on the drawings or to be designated by the Architect.
- b. Portland Cement, sand, water and adhesive shall conform with the requirements.
- c. Floor tiles shall be delivered in the manufacturer's original unbroken packages or containers that are labeled plainly with the manufacturer's name and brand. Containers shall be grade scaled. Materials shall be stored in dry weathertight enclosures, and shall be handled in a manner that will prevent the inclusion of foreign materials and damage by water or dampness.

EXECUTION

Floor Tiles

- a. Mortar Preparation

Mortar mix proportion and preparation shall be in accordance with the requirements.

- b. Surface Preparation

Surfaces to receive the tiles shall be clean, free of dust, dirt, oil, grease, and other deleterious substances. Floor tile operations in spaces receiving wall tile shall not be started until wall tile installation has been completed. Before tile is applied with a dryset mortar bed, the structural floor shall be tested for levelness or uniformity of slope by flooding it with water. Areas where the water ponds shall be filled and leveled with mortar and shall be retested before the setting bed is applied.

- c. Placing of Setting Beds and Floor Tile

Mortar setting beds shall have a minimum thickness of 20mm for floors. The structural concrete slab shall be soaked thoroughly with clean fresh water on the day before the setting bed is to be applied. Immediately preceding the application of the setting bed, the structural slab shall again be wetted thoroughly, but no free water shall be permitted to remain on the surface.

A skim coat of neat Portland cement mortar shall then be applied not more than 4mm thick. The mortar shall be spread until its surface is true and even and thoroughly compacted, either level or sloped uniformly for drainage, as the

ANNEX B

Technical Specifications (Building Works)
(Finishes)

case requires. A setting bed, as large as can be covered with tile before the mortar has reached its initial set, shall be placed on one operation; but in the event that more setting mortar has been placed than can be covered, the unfinished portion shall be removed and cut back to a clean beveled edge.

All mounted tiles shall be soaked in clean water a minimum of one hour before they are set. Absorptive mounted tile shall be dampened by placing sheets on a wetted cloth in a shallow pan before setting. No free water shall remain on the tiles at the time of setting. Before the initial set has taken place in the setting bed, a skim coat of neat Portland cement mortar, 0.7mm to 1.6mm thick, shall be trowelled or brushed over the setting bed and/or the back of the tile, or a thin layer of Portland cement, 0.79mm to 2mm thick, may be hand-dusted uniformly over the setting bed and worked lightly with a trowel or brush until thoroughly damp.

The tiles shall then be pressed firmly upon the setting bed, and beaten into the mortar until true and even with the plane of the finished floor line. Beating and leveling shall be completed within one hour after placing tiles or sheets. Borders and defined lines shall be laid before the field or body of the floor. Where floor drains are provided, the floors shall be sloped to drain properly to the drains. Intersections and returns shall be formed accurately.

Cutting of tile, where necessary, shall be done along the outer edges of the floor. As far as practicable, no tiles of less than half size shall be used. Cutting and drilling of tiles shall be done neatly without marring the tile surfaces. The cut edges of tile against trim, bases, thresholds, pipes, built-in fixtures, and similar surfaces shall be ground and jointed carefully. Tile shall fit closely and neatly at all plumbing fixtures and around electrical outlets, pipes and fittings so that cover plates or escutcheons will overlap the tiles properly. Tiles shall be secured firmly in place and loose tiles or tiles sounding hollow shall be removed and replaced. All lines shall be kept straight, parallel, and true, and all finished surfaces brought to true and even planes. The inner edges of borders shall be kept straight and, where practicable, shall form right angles at all returns. The paper and glue shall be removed from mounted tile, without using excess water, within one hour after installing the tiles.

Joints shall be parallel and uniform in width, plumb, level and in alignment. End joints in broken-joint work shall be made as far as practicable, on the center lines of adjoining tiles. Except in special arrangement and design, as indicated or specified, square tiles shall be set with straight joints, and oblong tiles shall be set with broken joints.

ANNEX B

Technical Specifications (Building Works)
(Finishes)

Joint widths shall be uniform and spaced to accommodate the tile in the given spaces with a minimum of cutting. Tiles shall be wetted, if they have become dry, before applying grout. Joints 3.2 mm or less in width shall be grouted with a neat Portland cement grout of the consistency of thick cream. Other joints shall be pointed with mortar consisting of one part Portland cement and two parts pointing sand.

The grout or mortar for joints on floors shall be white Portland cement or as specified by the Engineer. Grout pointing mortar shall be forced into joints by using trowel, brush or finger application. Before the grout or mortar sets, the joints of cushion edge tile shall be struck or tooled to the depth of the cushion, filling all skips or gaps, and the joints of square edged tiles shall be filled completely flush with their surface. Dark cement shall not be seen through grouted white joints.

All surplus mortar or grout shall be removed before it has set or hardened.

d. Cleaning and Curing

Floors shall be covered with waterproofed paper with all joints lapped at least 96 mm and allowed to damp cure for at least 72 hours before foot traffic is permitted thereon.

All completed tile work shall be thoroughly sponged and washed diagonally across joints, and finally polished with clean, dry cloth. Acid cleaning of unglazed tile, when necessary, shall not be done within ten days after setting the tile. All metal shall be covered with approved grease and the tile shall be wetted with clean water, before tile is cleaned with 10% muriatic acid solution. After acid cleaning, the tile shall be flushed with clean water, and the grease coating on metal shall be removed.

Finished tile floors shall be covered with clean building paper before foot traffic is permitted on them. Board walkways shall be placed on floors that are to be continuously used as passage ways by workmen. Thresholds shall be covered with boards. Tiles vertical outside corners (external angles) shall be protected with board corners strips in areas used as passage by workmen.

3.07 CEILING

- Gypsum board ceiling to be painted
- Elastomeric/Latex paint Off White finish

Location shown in the plan.

Painting Works

a. Surface Preparation

Allow new masonry to dry for 14 days (for exterior surfaces) to 28 days (for interior surfaces) under normal conditions before painting. Surface to be painted should be clean and dry, free from oil, grease, dirt, dust, contaminants, and all loose grit and mortar.

3.08 RECEPTION COUNTER

Use 19mm Hang Grey Marble and Paloma Quartz for the counter or approved equivalent. Design, details and location are shown in the plan.

3.09 VERTICAL LATTICE

Use 45mm X 100mm Aluminum tubular section wood grain powder coated finish for the vertical lattice design. Design and details are shown in the plan.

3.10 PPA LOGO

For PPA Logo use cut out 37.5mm thick Satin Stainless Steel. Design and details are shown in the plan.

3.11 Doors

D-1 - Existing Glass Door for relocation (W 2100mm x H 2600mm)

ND-1 - 6mm thick Tempered Glass with powder coated aluminum frame (W 800mm x H 600mm)

3.12 Windows

W-1 - 12mm thick tempered glass fixed window with top and bottom aluminum U- channel (W 2532mm x H 2500mm)

ANNEX B

Technical Specifications (Building Works)
(Finishes)

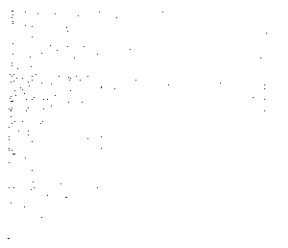
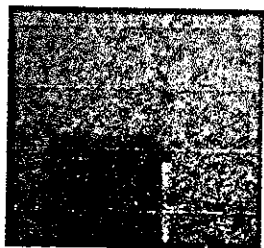


W-2 - 12mm thick tempered glass fixed window with top and bottom aluminum U- channel (W 2543mm x H 2500mm)

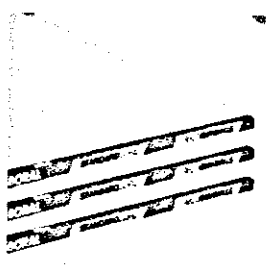

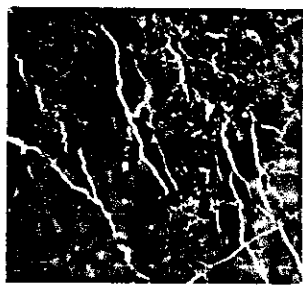
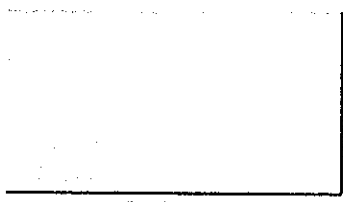
W-3 - Existing Glass for relocation (W 2760mm x H 2600mm)

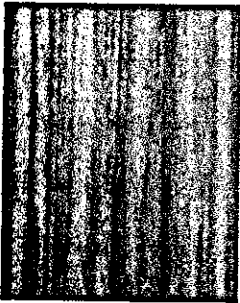
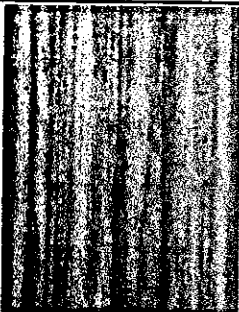
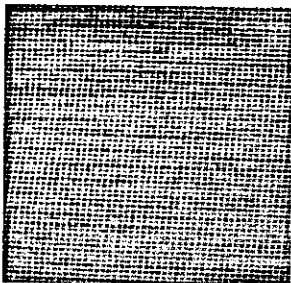
OUTLINE SPECIFICATIONS

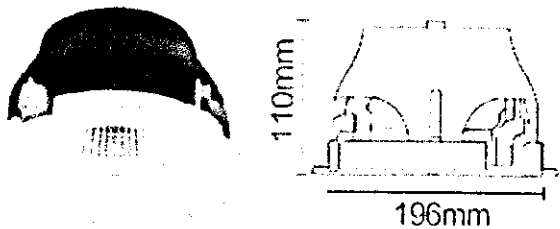
PROJECT : RENOVATION OF PPA BUILDING MAIN LOBBY
 LOCATION : PPA BLDG., PORT AREA, MANILA

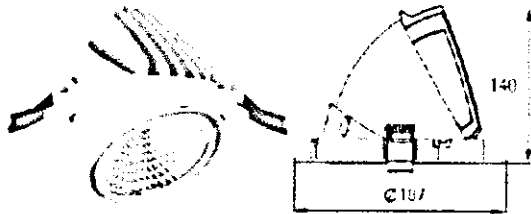
ARCHITECTURAL FINISHES

| | | |
|--|---------------------|---|
| <p>FF-1</p>  <p>GPS02 PHEOBE POLISHED</p> | <p>Description:</p> | <p>1000 x 1000 polished porcela</p> |
| <p>FF-2</p>  <p>SMOKED GRAY MATTE</p> | <p>Description:</p> | <p>1000 x 1000 polished porcela</p> |
| <p>WF-1</p>  <p>G1PO1 BORGOGNA WHITE LP</p> | <p>Description:</p> | <p>600 x 1200 G1PO1 Borgogna White LP</p> |
|  <p>TILE ADHESIVE</p> | <p>Description:</p> | <p>Large Tile & Stone Mortar</p> |

| | | |
|---|---------------------|---|
| <p>CF-1</p>  | <p>Description:</p> | <p>12mm thk regular gypsum board, paint finish</p> |
| <p>P-1</p>  <p>EPS WALL (OPT. 1)</p> | <p>Description:</p> | <p>100mm Expanded Polystyrene Panel (EPS)</p> |
| <p>P-1</p> <p>CHB WALL (OPT. 2)</p> | <p>Description:</p> | <p>100mm CHB wall with lintel beams and stiffener columns</p> |
|  <p>MARBLE FOR COUNTER</p> | <p>Description:</p> | <p>Hang Grey Marble</p> |
|  <p>Paloma</p> <p>QUARTZ FOR COUNTER</p> | <p>Description:</p> | <p>Paloma Quartz</p> |

| | | |
|---|--|--|
|  <p>LATTICE COLOR</p> | <p>Description:</p> <p>Powdercoat color:</p> | <p>37.5x100 mm. aluminum tubular section, powdercoat finish</p> <p>Republic powdercoat - wood grain finish</p> |
|  <p>WOOD VENEER FOR PORTAL</p> | <p>Description:</p> | <p>Walnut recon wood veneer or MDF backing</p> |
|  <p>UPHOLSTERED WALL</p> | <p>Description:</p> | <p>Pattern 1118 Graph 03WH</p> |
| <p>SEAT CUSHION</p> | <p>Description:</p> | <p>German leatherette</p> |

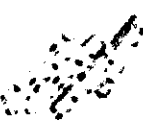
| DL-1 - PINLIGHT | Description: | 150mm. dia. pinlight |
|---|--------------|----------------------|
|  <p>The image shows a top-down view of the DL-1 pinlight on the left and a cross-sectional diagram on the right. The cross-section shows a cylindrical body with a clear glass diffuser at the top. Dimensions are indicated: a diameter of 196mm at the base and a height of 110mm for the main body.</p> | | |
| <p>Electrical specifications: Input: 220-240V Power: 18W Current: 500mA</p> <p>Mechanical specifications: Aluminum housing and heatsink clear glass diffuser Ø 187mm H 140mm</p> <p>Lamp lumen 2590 CCT 5000K</p> | | |

| DL-2 - PINLIGHT | Description: | Directional pinlight |
|---|--------------|----------------------|
|  <p>The image shows a top-down view of the DL-2 pinlight on the left and a cross-sectional diagram on the right. The cross-section shows a cylindrical body with a clear glass diffuser at the top. Dimensions are indicated: a diameter of 196mm at the base and a height of 140mm for the main body.</p> | | |
| <p>Electrical specifications: Input: 220-240V Power: 18W Current: 500mA</p> <p>Mechanical specifications: Aluminum housing and heatsink clear glass diffuser</p> | | |

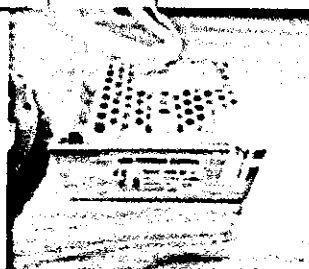
Ø 187mm
H 140mm

Lamp
lumen 2590
CCT 5000K

LED strip light

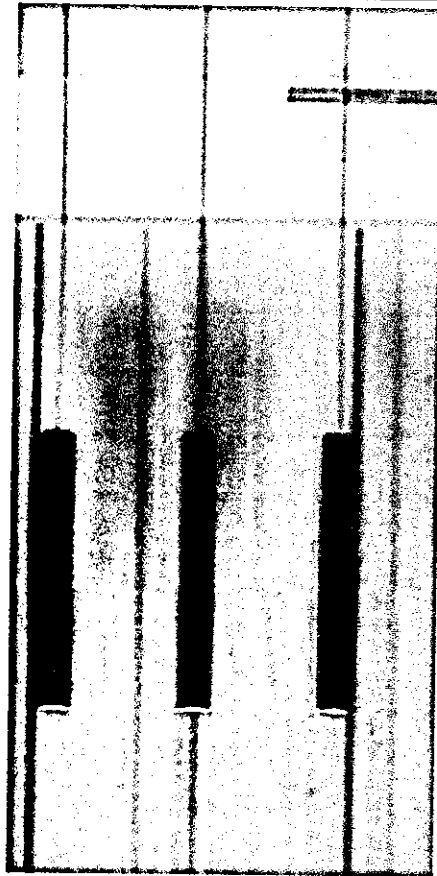
| Item | Picture | Descriptions | Color | Warranty | IP Rating | |
|--------------|---|---|----------------|----------|-----------|--|
| FC3528-602XX |  | LED: SMD 3528 COLEDs in CRI>80 Lumens 6-7lm/led PCB white 5mm PCB, double sided Power: 4.8w/m Voltage: DC12V/DC24V Packing 5m reel 3M tape on the back ETL, CEIL approved | WW CW R G B | 2 Year | IP20 | |

| Item No. | Input Voltage | Output Voltage | Output Current | Output Power | Size(mm) |
|-----------|-----------------------|----------------|----------------|--------------|----------|
| BE-1202SW | AC90-130V Or 170-250V | DC12V±0.5V | 1.65A | 20W | 85*58*33 |



STRIPLIGHT

Description: Striplight



PENDANT LIGHT

Description: Pendant Light

ITEM 03:**PAINTING****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

This Section covers the surface preparation, coating materials and application of coatings systems required for the Works.

The work shall consist of furnishing of all labor, materials, equipment and other incidentals necessary for the supply of painting materials and the complete painting of surfaces as shown on the drawings in accordance with this Specification and as directed by the Engineer.

The term paint as hereinafter used includes emulsion paints, varnishes, oils, pigments, thinner and dryers.

All exposed metal surfaces, except metal surfaces embedded in concrete, shall be painted unless otherwise specified.

STANDARD

The following publications listed below, but referred to thereafter by basic designation only, forms a part of these Specifications to the extent indicated by the reference thereto:

Steel Structures Painting Council (SSPC) U.S. Specification JIS K 5628 Red-lead Zinc Chromate Anti-Corrosive Paint.

SUBMITTAL

1. The Contractor shall submit work method statements with lists of materials to the Engineer for approval twenty eight days before the starting of works. This statement shall include following items:
 - a. Type of paint and manufacturer
 - b. Manufacturer's specifications
 - c. Storage and delivery of materials
 - d. Surface preparation
 - e. Finish painting and drying
 - f. Touch-up painting, if any
 - g. Equipment
2. The Contractor, before placing order for the painting materials, shall submit to the Engineer for approval samples of materials. No placing of orders for material shall be made without his approval.

STORAGE AND DELIVERY

1. The Contractor shall deliver all material to the site in the original labeled sealed cans and containers, with labels intact and seal unbroken.
 - a. Seals shall remain unbroken until after inspection and acceptance of material by the Engineer.

ANNEX C

Technical Specifications (Building Works)
(Painting)

- b. The Contractor shall deliver materials in ample quantities sufficiently in advance of the need to avoid any delay or interruptions in the works.
2. Paint in thinner shall be stored in accordance with the approved manufacturer's instructions.
 - a. All regulations required for storage of paint shall be observed and all necessary safety signs required by governing codes shall be posted.
 - b. Any damage caused by failure to exercise proper precautions in paint storage shall be repaired.

MATERIAL REQUIREMENTS

PAINT

Paints for the protective coating system shall be the product of a manufacturer approved by the Engineer.

Paints for exterior finish must be with tile like durability and elegance, fast drying, solvent based acrylic, highly suitable for coastal or polluted areas with excellent anti-fungus properties and alkali resistance.

100% Acrylic, water based, quick-drying, easy to clean-up and environmentally friendly, resist dirt, stains, alkali, water, humidity, algae, mold and mildew growth and highly durable paint for interior finish.

An all-purpose synthetic quick dry paint for all types of wood and metal surfaces. It has high gloss, good color retention and outstanding durability.

For pipes, valves and equipment, galvanized and ungalvanized ferrous metal, use a 100% acrylic gloss paint, has excellent resistance to ultraviolet rays and resists chalking, cracking and color fading, dries fast and environmentally friendly.

SCHEDULE OF PAINTING

| | |
|-------------------------------------|--|
| Architectural Items | |
| a. Exterior Finishes | |
| 1. On Concrete Walls | |
| Three Coats, Concrete Masonry Paint | Elastomeric Paint or approved equal |
| 2. Unprimed Ferrous Metal | |
| First Coat | Red Oxide Primer, or approved equal |
| Second & Third Coat | Quick Dry Enamel |
| 3. On Concrete Block Wall | |
| Masonry Neutralizer | Masonry Neutralizer |

ANNEX C

Technical Specifications (Building Works)
(Painting)

| | |
|---|---|
| Three Coats Concrete Masonry Paint | Elastomeric Paint |
| 4. On Wood | |
| First Coat Exterior Wood Primer | Flatwall Enamel |
| Second & Third Coat Exterior enamel | Quick Drying Enamel |
| b. Interior Finishes Location of the various finishes are listed in the Finish Schedule on the drawings or else will be confirmed by PPA | |
| 1. On primer and coated metal two coats of interior semi-gloss enamel or as indicated in the Schedule finish | Red Oxide Primer Quick Dry Enamel |
| 2. On Plaster | |
| First Coat | Masonry Neutralizer |
| Three Coats | Elastomeric/Latex Paint |
| 3. On Wood | |
| First Coat Enamel undercoater | Flatwall Enamel |
| Second & Third Coat Exterior enamel | Quick Drying Enamel |
| 4. Wood Stain Finish | |
| First Coat Second & Third Coats Fourth & Fifth Coats | Oil Wood Stain , Lacquer Sanding Sealer Clear Gloss Lacquer |
| c. Non – Architectural Items (Piping, valves, equipment, etc.) | |
| 1. Piping, valves, equipment etc. in rooms are to be painted | |
| 2. Galvanized pipes and ducts | |
| Primer – one coat | Red Oxide Primer, Quick Dry Enamel |
| Finish – one coat | |
| 3. Black steel pipes | |
| Primer – one coat | Red Oxide Primer, Quick Dry Enamel |
| Finish – one coat | |
| 4. Mechanical Items | |
| a. Ungalvanized ferrous metal Primer – one coat | Red Oxide Primer, Quick Dry Enamel |
| Finish – one coat | |
| b. Galvanized ferrous metal | |

ANNEX C

Technical Specifications (Building Works)
(Painting)

| | |
|---|---------------------------------------|
| Primer – one coat | Red Oxide Primer, Quick Dry Enamel |
| Finish – one coat | |
| c. Submerged galvanized ferrous metal Primer – one coat | Red Oxide Primer, |
| d. Buried miscellaneous ferrous surface valves, & flanged joints (excl. pipe) Primer – one coat | Red Oxide Primer, |

EXECUTION

SURFACE PREPARATION OF STEEL

1. Steel surfaces shall be cleaned as follows:
 - a. All round welds, burrs and sharp surface projections shall be ground smooth and all weld splatter shall be removed prior to blast cleaning.
 - b. Sand abrasives, if used, shall be clean, and free from salt and extraneous matter. The sand shall pass through a 2.0mm test sieve, and be substantially retained on a 0.18mm test sieve, with at least 25 percent retained on a 0.355mm test sieve.
 - c. Metallic abrasive, if used, shall be sharp, hard and free from dust, and shall pass through a 1.8 mm test sieve.
 - d. Blast cleaning operations shall not be conducted on surfaces that will be wet after blasting and before coating, or when the surfaces are less than 10°C above degree points, or when the relative humidity of the air is greater than 95 percent.
 - e. Any oil, grease, soil, dust or other foreign matter deposited on the cleaned surfaces shall be removed prior to painting. In the event that rusting occurs after completion of the surface preparation, the surfaces shall be cleaned again in accordance with the specified method.
 - f. Particular care shall be taken to prevent the contamination of other corrosive chemicals before the application of the paint. Such contamination shall be removed from the cleaned surface by flash blasting and the paint applied immediately.
 - g. Care shall be taken to prevent contamination of cleaned and painted surfaces by cleaning operations in an adjacent area.
 - h. Surfaces not to be painted shall be suitably protected from the effects of cleaning and painting operations.

SURFACE PREPARATION OF WOOD

1. Wood surfaces shall be sanded to a fresh surface. Surface mould where present, shall be removed by washing, rubbing down and burning off as necessary. Resinous exudation and large knots shall be removed and replaced with filler or other materials approved by the Engineer.
2. Parts of timber to be enclosed in walls shall always be primed unless already impregnated. Priming shall be brushed on and a minimum of two coats applied to end grain. When the priming paint is hard, all cracks, holds, open joints, etc. shall be made good with hard

stopping and rubbed down with fine abrasive paper. Priming of joinery shall be applied only on site after the Engineer has approved such joinery and before it is fixed. For internal surfaces primer coats shall be carefully flattened.

SURFACE PREPARATION OF CONCRETE AND PLASTER

Concrete and cement plaster surfaces to be painted shall be prepared by removing efflorescence, dust, dirt, grease, oil, asphalt, tar, excessive mortar and mortar dropping and by roughening to remove glaze. A zinc sulfate solution shall be applied before prime coat.

SURFACE PREPARATION FOR FIBER CEMENT SURFACES

Shall be dry and clean prior to application of the specified first-coat material. Oil, grease, or rust stains shall be carefully removed by the use of suitable solvent. Wire brushing will not be permitted. After the first coat has become dry and prior to application of finish coats, touch-up coats shall be applied to suction spots.

ALUMINUM FRAMES FOR DOORS AND WINDOWS

All metal surfaces shall undergo pre-treatment process which includes: desmutting, water-rinsing, degreasing/etching, water rinsing, zinc phosphating, water rinsing and acid rinsing.

Powder coating application, shall be factory applied and shall be done in one operation using an electro-static powder gun. The materials to be coated should be well connected to earth. Coating thickness should be kept to a minimum of 60 microns for exposed areas. On details which are to be treated mechanically after coating (drilling, sawing, etc.), the coating film must not exceed 100 microns.

The powder coating shall be oven cured in the range of 20 minutes at 220° C (metal temperature measured on the area with greatest metal thickness). The temperature variation in the oven should not exceed +/- 10° C.

Handling

Coated items should be cooled to no less than 40° Centigrade before handling. Precautions should be taken to avoid damages on the finished coating during stacking, storing and transportation.

Storage and Delivery

Inspect materials delivered to the site for damage. Unload and store with minimum handling. Provide storage space in dry location with adequate ventilation, free from dust or water and easily accessible for inspection and handling. Store materials neatly on the floor, properly stacked on non-absorptive strips or wood platforms. Protect finished surfaces during shipping and handling using manufacturer's standard method.

WOOD REPAIR

Badly decayed areas shall be removed and repaired. Areas and pieces decayed beyond repair shall be replaced with new pieces that match originals in all respects. Moderately decayed areas, weathered, or gouged wood shall be patched with approved patching compounds, and shall be sanded smooth. The source or cause of wood decay shall be identified and corrected prior to

application of patching materials. Wet wood shall be completely dried to a moisture content not exceeding 12 percent, as measured by a moisture meter, to its full depth before patching, unless otherwise authorized. Wood that is to be patched shall be clean of dust, grease, and loose paint.

1. Epoxy Wood Repair

Epoxy wood repair materials shall be applied in accordance with manufacturer's written instructions. Health and safety instructions shall be followed in accordance with the manufacturer's instructions. Clean mixing equipment shall be used to avoid contamination. Mix and proportions shall be as directed by the manufacturer. Batches shall be only large enough to complete the specific job intended. Patching materials shall be completely cured before painting or reinstallation of patched pieces.

2. Epoxy Consolidant and Epoxy Paste

Epoxy liquid wood consolidant shall be used:

1. To penetrate and impregnate deteriorated wood sections in order to reinforce wood fibers that have become softened or absorbent.
2. As a primer for areas that are to receive epoxy paste filler. Epoxy paste shall be used to fill areas where portions of wood are missing such as holes, cracks, gaps, gouges, and other voids.

MIXING AND THINNING

Mixing and thinning of paint shall be done in accordance with the approved manufacturer's printed instructions. The pot life of each paint as stated by the manufacturer shall not be exceeded.

WEATHER CONDITION

The paint shall not be applied when the relative humidity is above 85 percent. The paint shall not be applied in rain, wind, fog, dust or mist.

APPLICATION

Workmanship shall be first class in every respect. All work shall be done in a workmanship manner so that the finished surfaces shall be free from runs, chop, ridges, waves, laps and unnecessary brush marks. All coats shall be applied in such manner as to produce an even film of uniform thickness. Edges, corners, crevices, welds and rivets shall receive special attention to ensure that they receive an adequate thickness of paint.

All painting shall be done by thoroughly experienced workmen.

Safety regulations shall be adhered to at all times, including the wearing of respirators by persons engaged on assisting in spray painting. Adjacent areas and installation shall be protected by the use of cloths or other approved precautionary measures.

Plain enamel and varnish shall be applied carefully with good clean brushes or approved spraying equipment, except that the initial coat on any surface shall be applied with brush. Sufficient time shall be allowed between coats to assure thorough drying and each coat shall be in proper condition before receiving the next coat.

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Technical Specifications (Building Works)
(Painting)

Sanding and dusting as required shall be performed between coats in varnishing work. Finish coat shall be smooth and free from runs, sags, and other defects. Exterior paint shall not be applied during rainy days.

All paint when applied shall provide a satisfactory film and smooth, even surface. Paint shall be thoroughly stirred and kept at a uniform consistency during application. Powdered metallic pigments added at the time of use shall be mixed by adding the powder in small increments to about one-third of the base paint or vehicle, with thorough mixing to obtain a smooth paste. The remainder of the base paint shall then be thoroughly stirred in.

Different brands of emulsion paints shall not be mixed prior to application of the materials.

Where necessary to suit conditions of surface temperature, weather and method of application, the package paint may be thinned immediately prior to application in accordance with the approved manufacturer's directions, but not in excess of 125 cc of suitable thinner per liter (one pint per gallon). Before using, the paint shall be mixed to a uniform consistency and shall be stirred frequently during application.

Paints other than water-thinned paints shall be applied only to surfaces which are completely free of moisture as determined by sight or touch and only such combinations of humidity to be painted as will cause evaporation rather than condensation.

Surfaces which have been cleaned, pretreated and/or otherwise been prepared for painting shall be primed or painted with one coat of finish paint as soon as practicable after such preparation has been completed, but in any event prior to any deterioration of the prepared surfaces.

The first coat of paint on all exterior surfaces shall be applied by brush. Interior prime coats and all other subsequent coats on either exterior or interior surfaces may be applied by brush or spray. Whenever spraying is permitted all areas inaccessible to spray painting shall be coated by brushing or other suitable means. Brushes to be used for application of water-emulsions shall be soaked in water for a period of 2 hours prior to use.

All cloths and cotton waste which might constitute a fire hazard shall be placed in closed metal containers or destroyed at the end of each day.

Upon completion of the work, all staging, scaffolding, and containers shall be removed from the site or destroyed in a manner approved by the Engineer. Paint spots, or stains upon adjacent surfaces shall be removed and the entire job left clean and acceptable to the Engineer.

No smoking shall be permitted in the vicinity where painting is going on.

TOUCH-UP PAINTING

Touch-up painting shall be done with the same paint as used for the original coat. The resulting minimum dry film shall be the same as for the original coat.

Touch-up painting shall include cleaning and painting of field connections, welds and all damaged or defective paint and rusted areas.

During touch-up painting, only loose, cracked, brittle or non-adherent paint shall be removed during cleaning. All exposed edges shall be feathered. Touch-up painting shall be performed in a manner which will minimize damage to sound paint. Rust spots shall be thoroughly cleaned and edges of the existing paint shall be scraped back to sound material.

DRYING

ANNEX C

Technical Specifications (Building Works)
(Painting)

1. No primer or paint shall be forced to be dried under conditions which will cause cracking, wrinkling, blistering, formation of pores which would detrimentally affect the condition of the paint.
2. No drier shall be added to the paint unless specified in the approved manufacturer's instructions.
3. Painted surfaces shall be protected from dust, dirt, and the elements of the weather until dry to the fullest extent practicable.
4. After drying, any areas of paint damaged from any cause shall be removed, the surface again prepared and then touched-up with the same paint and to the same thickness as the undamaged areas as specified in sub-section 4.14.3.7 above.

HANDLING

1. Precautions shall be taken to minimize damage to paint films resulting from stacking for drying.
2. Paint which is damaged in handling shall be scraped off and touched-up with the same paint and in the same thickness as was previously applied to the damaged area at Contractor's expense.

INSPECTION

1. All works and materials supplied under this Specification shall be subject to inspection by the Engineer.
2. The Contractor shall correct such works or replace such materials found defective under these Specifications at his own expense.

ITEM 04 : CARPENTRY AND JOINERY WORKS**Scope of Work**

The work shall consist of furnishing all tools, labor, equipment and materials, unless otherwise specified to complete all carpentry and joinery works shown on the Drawings and specified herein.

General Requirements**a. Lumber Grades**

Lumber shall be of the best grade available, of the respective kinds required for the various parts of work; well seasoned, thoroughly dry and free from loose or unsound knots, sap, shakes or other imperfections impairing its strengths, durability and appearance. All exposed woodwork shall be smooth by dressed and sandpapered unless otherwise indicated or specified. Framing lumber shall be of the rough dimensions unless otherwise shown on the drawings.

b. Substitution of Lumber

Any lumber equally good for the purpose intended maybe substituted for the kind specified, subject to prior written approval of the Engineer. Provided, however, that in the substitution of the cheaper kind of lumber than that specified, a reduction in the contract price equal to the difference in the costs of the two kinds of lumber shall be made.

c. Delivery and Storage

The Contractor shall deliver lumber to the site in undamaged condition. Lumber shall be stacked in such a manner as to insure proper ventilation and drainage, and shall be supported at least 150 mm above-ground. Lumber shall be protected against dampness before and after delivery, and enough protection under cover in well ventilated enclosure, not exposed to extreme changes of temperature and humidity; and in a manner as to provide air-circulation around all surfaces of each pile to insure thorough air-seasoning. Lumber or millwork in buildings shall not be finished until concrete, masonry work and plaster are dry. Lumber shall be delivered at least thirty (30) days before use.

d. Grading of Plywood

Each sheet of plywood shall bear the mark identifying the plywood as to wood species, glue type and grade.

Materials**a. Lumber**

Lumber for various uses shall be one of the species listed for the purpose indicated unless otherwise specified in the drawing. For any use not specified, the lumber shall be the best commercial grade normally used for the purpose, subject to the approval of the Engineer.

All framings shall be done as far as possible with carefully fitted mortise and tenon joints.

All doors, or other opening where so indicated on plans, shall have frames and sills of the dimensions shown or as hereafter detailed, and all frames coming in contact with concrete

ANNEX D

Technical Specifications (Building Works)
(Carpentry and Joinery Works)

shall be anchored by means of 20-d nails, spaced not more than 0.20m, apart, all around the contact surfaces. All frames shall be rabbetted, molded and cut with saw and cut under for water drips.

| SPECIE | USE |
|-------------------------------|---|
| Yakal | All door jambs, headers and transom bars, wood plates and all other woodwork in contact with concrete or masonry and where indicated. |
| Apitong (pressure treated) | All truss members and rafters and where indicated; all wood framings and carpentry, except when in contact with concrete. |
| Tanguile (Kiln dried) | All exterior and interior mill work, siding, finish and trim, frame work and all other wood works not specifically mentioned; except when in contact with concrete. |

b. Plywood

Plywood shall conform to Commercial Standard PSI and shall be of local manufacture.

Plywood to be varnished shall be tanguile or kalantas veneers (as indicated), ribbon grained, water resistant, Class B and of the thickness indicated.

Plywood to be painted shall be tanguile veneer ordinary rotary-cut, water resistant, Class C and of thickness indicated.

Plywood exposed to the outside elements or where indicated shall be waterproof or marine plywood and of the thickness indicated.

c. Fastenings

Fastenings shall be common nails, glue or specified, flat-head wood screws (F.H.W.S.), rough-head wood screws (R.H.W.S.), bolts or lag screws where specified or called for shall be used. Conceal fastenings as much as possible; where not possible, locate them in inconspicuous places, where nailing is permitted through woodwork smooth-finished face, conceal nail heads.

1. Nails

Shall be of the smooth shank, zinc coated, common wire nails of local manufacture, and of types and sizes best suited for the purpose.

2. Wood Screws

Shall be brass or cadmium plated of the best available commercial quality, and of types and sizes suited for the purpose.

PRESSURE TREATED LUMBER

a. Preservative Treatment

All lumber indicated to be pressure treated, shall contain any of the following net retention of solid preservative.

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(Carpentry and Joinery Works)

- a. Boliden Salts - 45.5 kg. dry chemical per cubic foot of wood
- b. Wolman Salts - 0.31 kg. dry chemical per cubic foot of wood
- c. Tenalith Salts - 0.34 kg. dry chemical per cubic foot of wood

The Contractor shall submit an affidavit signed by an official of the preservative treatment company to the Engineer. This affidavit shall indicate the net retention of solid preservatives obtained and shall certify that pressure treated lumbers have a moisture content that does not exceed 17 percent upon shipment from the treatment plant.

Where it is necessary to cut or bore pressure-treated lumber on the job, two coats of prepared concentrated preservatives solution shall be applied to the end-cut or bored surfaces.

ROUGH CARPENTRY

All work shall be well fitted, accurately set, and rigidly secured in place. Anchors and bolts (with nuts and washers) straps and tie rods shall be provided as required.

a. Cutting and Fitting

Cutting and fitting to accommodate other work shall be done in the required manner, and cut or damaged work shall be patched and made good.

b. Framing and Structural

Framing and structural lumber shall be well-seasoned, straight, square-edge stacks, and free from loose or unsound knots, bark edges or other defects that will impair its strength.

c. Plates for Walls and Partitions

Plates for walls and partitions shall be of the same width as the studs and shall form continuous horizontal ties.

Structural members shall not be cut, bored or notched for the passage of pipes or conduits without prior approval of the Engineer. All members damaged by such cutting or boring shall be reinforced by means of specially formed and approved sheet metal or steel shapes or remove or replaced with new member as directed.

Anchors, connectors and fastenings not indicated or specified otherwise shall be of the size and types necessary to suit the conditions encountered. Size, type and spacing of nails, screws or bolts for installation of manufactured building materials shall be as recommended by the product manufacturer unless indicated or specified otherwise.

Rough hardware, exposed to weather or in contact with exterior walls or masonry or slabs shall be zinc-coated except as specified otherwise.

All lumber surfaces in contact with concrete or masonry shall be given a brush coat of bituminous paint before installation.

JOINERY WORK

All lumber used for the joinery work shall be of the kinds and grades specified and shall be of the contours, patterns and profiles indicated.

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(Carpentry and Joinery Works)

All joints shall be made, installed tight and securely fastened in a manner approved by the Engineer. Exterior joints shall be mitered and interior angles coped. Panels shall be fitted to allow for shrinkage, avoid swelling, and insure that the work remain in place without warping, splitting and opening of joints.

Interior trims shall be approved standard stock moldings, except where special patterns or profiles are indicated.

Joints for cabinet work shall be glued in addition to nails or other fastening device required. Nailing shall be concealed where practicable. Where face nailing is used, nails shall be set for putty stopping.

All exposed surfaces shall be machined or hand sanded finished to an even smooth surface. No hammer marks or other unsightly marks shall be allowed on any wood panel or veneer.

ITEM 05 : ELECTRO/MECHANICAL WORKS**3.18 Scope of Work**

- a) The work to be done shall consist of supply, deliver and install electro / mechanical materials completed in accordance with all the details of the electrical and mechanical plans as shown on the drawing. It includes materials, labor, tools and equipment and all incidental works as found necessary.
- b) Refer to electro / mechanical plans for location and extent of work involved.

General Requirement

- 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 Part 1 (2017) - (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 electrical power shall be connected to the nearest existing supply of PPA electrical room. The Contractor shall coordinate the exact route of wires and cables to the assigned Engineer. The required supply of 230 volt, three (3Ø) phase, 3 wire + grounding, 60 hertz, A.C.
- c) The Contractor shall employ a licensed Registered Electrical Engineer or Master electrician to perform or supervise the conduct of continuous inspection of all electrical work.
- d) The Contractor shall first obtain approval from the Authority before procurement, or delivery of electrical materials to the site.
- e) The materials and equipment to be furnished shall be standard products of reputable manufacturer engaged in the reproduction of such materials and equipment.
- f) All permits and electrical fees required for this work shall be obtained at the expense of the Contractor. The Contractor shall furnish the Engineer-in-Charge, the final

Certificates of Inspections and approval from the authorities after the completion of work. The Contractor shall prepare all as-built plans and all other paper works as required by the enforcing authorities.

Material Requirement

- a) All electro /mechanical works, and equipment under by this Contract shall be furnished and installed by the Contractor.
- b) All materials and equipment to be supplied shall be as shown in the drawings and shall be in accordance with the requirements of these specifications which shall apply to manufacturing, testing and supply of same materials and equipment.
- c) All electro / mechanical materials whether specifically described or not shall be of the best grade and all workmanship shall be of first class in every aspect.
- d) All electro /mechanical equipment and materials supplied shall be suitable in every aspect for operation in a hot tropical climate near the sea and suitable for operation at ambient temperature up to 40° C.
- e) Any materials and equipment found not meeting the requirements of relevant standards, or of these specifications shall be rejected by the Engineer.
- f) All electro / mechanical materials used in this Contract shall meet the requirements described in the electrical plans, or otherwise approved by the Engineer and shall comply with the approved standard.

WIRING METHOD

- a) Wiring in IMC conduits, shall be employed. Detailed installation requirements recommended by the latest edition of the Philippine Electrical Code (PEC).
- b) Conduits shall be continuous from outlet to outlet to panel junction or full boxes and shall enter and be secured to all boxes from point of service to all outlet terminals.
- c) Branch circuits shall be installed as shown in the plans.
- d) Outlet shall be located approximately as shown in the plans and shall be properly positioned where located in the panel work or other special interior finish.
- e) The duplex convenience outlet and other several outlets, special purpose outlet, etc., shall be installed as shown in the plans.
- f) The switches shall be of the flush /tumbler type. It shall be installed as shown in the plans. Switches denotes the no. of gang.
- g) Wires and cables, the material to be furnished and installed shall be of copper wire Heat Resistant Thermoplastic Type "THHN". All conductors shall be rated 600 volts insulation and shall be standard for all sizes.
- h) Lighting fixtures and accessories shall be installed as illustrated in the plans.
- i) Panel board, shall be of the ratings and configurations as shown in the drawings.

ANNEX E

Technical Specifications (Building Works)
(Electrical General Requirements)

- j) Air conditioning system, Ceiling Cassette type ac with inverter has a 4-way air distribution with auto sweep, it can cool an adjacent room using of the 4 way air flow outlets. The fresh air intake device and additional outlet grill can condition the air in an adjoining room using one of its 4 ways airflow side. Ceiling cassette air condition shall furnish and installed including accessories as shown in the drawings.
- k) Kitchen exhaust fan / auxiliary fan shall be installed as shown in the plans
- l) The auxiliary system like, telephone, smoke detector etc., shall be installed as shown in the plans.

Execution

- a) The Contractor shall furnish and install electro /mechanical works as shown in the drawings. A licensed Registered Electrical Engineer or Master Electrician is required to implement the installation of the electrical system.
- b) Electrical installation shall conform to the requirements of Philippine Electrical Code (PEC) and the other approved standards.
- c) The contractor shall install all electrical works with the supervision of the qualified Registered Electrical Engineer (REE) or Master Electrician. All electro/mechanical works 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).

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 judgement, are not in full accordance therewith.

TESTING OPERATIONS

When the electro / mechanical 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 to the Authority.

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.

AS-BUILT DRAWINGS

Upon completion and before final acceptance of work, the Contractor shall prepare, at his own expense, submit to the Engineer as-built drawings incorporating all approved changes, omissions and/or addition to the contract drawings, six (6) printed copies of as-built drawings together with their reproducible originals at no extra cost to the Authority.

ITEM 06 : Supply, Relocation and Install Sprinkler Head

GENERAL

This Item shall consist of furnishing, relocation and installation of sprinkler head including testing, commissioning, provisions for new accessories and replacement of broken parts.

The works shall be conducted in accordance to the specifications, codes and requirements of the following:

1. Revised Fire Code of the Philippines
2. National Fire Protection Association (NFPA) 10, 13, 14 and 20
3. Ordinances of concerned city or municipality

MATERIAL REQUIREMENTS

All new materials shall be standard and good quality product of reputable manufacturer.

All existing materials and accessories to be incorporated in the project shall passed with the testing and commissioning under the supervision of the Engineer.

Defective materials shall be replaced/corrected in accordance to the requirements of this specifications and the approved quality control program.

GUARANTEE

The Contractor shall guarantee that the Fire Protection system is free from all defective workmanship and materials and will remain so for a period of one (1) year from date of acceptance of the work by the Owner or the Architect. Any defect, appearing within the aforesaid period shall be remedied or replaced by the Contractor at his own expense.

EXECUTION

Workmanship

The work throughout shall be executed in the best and most thorough manner to the satisfaction of the Architect and the Engineer, who will jointly interpret the meaning of the drawings and specifications and shall have the power to reject any work and materials, which in their judgement, are not in full accordance therewith.

The Contractor shall assume unit responsibility and shall provide the services of a qualified Engineer to supervise the complete installation of equipment and systems and who shall be available for conducting the final acceptance tests.

Preparation

Examine all surfaces which are to support or receive parts place and subsequent construction. Notify General Contractor if any condition exists which will prevent the completion of the Work in this

ANNEX F

Technical Specifications
(Supply, Relocation and Install Sprinkler Head)

Section in a satisfactory manner. Application or installation of materials constitutes acceptance of the supporting and adjoining construction.

Cleaning

Swab-out lines and/or flush out system with fresh water until they are clean and water runs clear at all outlets.

Acceptance Test

All tests required in the commissioning and testing works shall be passed under the supervision of qualified Engineer or Architect. All necessary documents required in the approved quality control program shall be submitted to PPA with issued warranty.

BILL OF QUANTITIES

PROPOSED RENOVATION OF PPA BUILDING MAIN LOBBY

PPA Corporate Bldg. South Harbor, Port Area, Manila



| NO. (1) | DESCRIPTION OF WORK (2) | UNIT (3) | QTY. (4) | UNIT PRICE (Pesos) (5) | AMOUNT (Pesos) (4) x (5) |
|----------------------------------|-------------------------------------|-------------|-------------|------------------------------|--------------------------------|
| BILL NO. | 1 GENERAL EXPENSES | | | | |
| BILL NO. | 2 REMOVAL & DISPOSAL WORKS | | | | |
| BILL NO. | 3 INTERIOR RENOVATION OF MAIN LOBBY | | | | |
| APPROVED BUDGET FOR THE CONTRACT | | | | | |

BILL OF QUANTITIES
PROPOSED RENOVATION OF PPA BUILDING MAIN LOBBY
PPA Corporate Bldg. South Harbor, Port Area, Manila



| NO. (1) | DESCRIPTION OF WORK (2) | UNIT (3) | QTY. (4) | UNIT PRICE (Pesos) (5) | AMOUNT (Pesos) (4) x (5) |
|-----------------------------|--|-------------|-------------|------------------------------|--------------------------------|
| BILL NO. 1 | GENERAL EXPENSES | | | | |
| 1.01 | Mobilization, demobilization and cleaning | lot | 1 | | |
| 1.02 | Provide Construction Safety and Health Program in the execution of the project | mo. | 4 | | |
| TOTAL FOR BILL NO. 1 | | | | | |

BILL OF QUANTITIES
PROPOSED RENOVATION OF PPA BUILDING MAIN LOBBY
PPA Corporate Bldg. South Harbor, Port Area, Manila



| NO. (1) | DESCRIPTION OF WORK (2) | UNIT (3) | QTY. (4) | UNIT PRICE (Pesos) (5) | AMOUNT (Pesos) (4) x (5) |
|-----------------------------|---|-------------|-------------|------------------------------|--------------------------------|
| BILL NO. 2 | REMOVAL & DISPOSAL WORKS | | | | |
| 2.01 | Remove and dispose existing floor tiles including surface preparation for porcelain and accent tiles | sq.m. | 91 | | |
| 2.02 | Remove existing ceiling materials including embedded electrical system and devices and turning-over of materials with value to the Authority | sq.m. | 75 | | |
| 2.03 | Remove existing glass doors, glass partition and ACP cladding in canopy (COA glass door, glass storefront and ACP cladding to be reinstalled) | sq.m. | 105 | | |
| 2.04 | Remove existing PPA signage including turning-over of materials with value to the Authority | lot | 1 | | |
| 2.05 | Remove and dispose existing marble/wall partition and counter | sq.m. | 14 | | |
| 2.06 | Remove existing display wall, directory, AC Housing and AC Units including turning-over of materials with value to the Authority | lot | 1 | | |
| 2.07 | Remove existing railings at the mezzanine floor including turning-over of materials with value to the Authority | l.m. | 8 | | |
| TOTAL FOR BILL NO. 2 | | | | | |

BILL OF QUANTITIES
PROPOSED RENOVATION OF PPA BUILDING MAIN LOBBY
PPA Corporate Bldg. South Harbor, Port Area, Manila



| NO. (1) | DESCRIPTION OF WORK (2) | UNIT (3) | QTY. (4) | UNIT PRICE (Pesos) (5) | AMOUNT (Pesos) (4) x (5) |
|-----------------|---|-------------|-------------|------------------------------|--------------------------------|
| BILL NO. | 3 INTERIOR RENOVATION OF MAIN LOBBY | | | | |
| 3.01 | Supply and install temporary board up for the removed glass partitions and elevator lobby | sq.m. | 145 | | |
| 3.02 | Supply and install 100 mm thk EPS wall panel | sq.m. | 145 | | |
| 3.03 | Supply and apply 2 coats of elastomeric paint (high ceiling) | sq.m. | 91 | | |
| 3.04 | Supply and install 80cm x 80cm floor tiles (i.e. accent tiles and porcelain tiles) | sq.m. | 86 | | |
| 3.05 | Supply and install 60cm x 120cm wall tiles | sq.m. | 118 | | |
| 3.06 | Supply and install reception counter including its accessories | lot. | 1 | | |
| 3.07 | Supply and fabricate bench including it's accessories (i.e. portal with wood veneer, upholstered wall and bench with cushion) | lot. | 1 | | |
| 3.08 | Supply and install 12mm thk. gypsum board painted on 0.40mm thk galvanized steel ceiling suspension system including furring, carrying channel, suspension rod and other miscellaneous items (high ceiling) | sq.m. | 90 | | |
| 3.09 | Supply and install 4.5mm stainless steel strip termination | l.m. | 4 | | |
| 3.10 | Supply and install niche doors and glass windows | lot | 1 | | |
| 3.11 | Supply and install vertical lattice including it's accessories | l.m. | 209 | | |
| 3.12 | Supply and install PPA Logo including accessories | set | 1 | | |

BILL OF QUANTITIES

PROPOSED RENOVATION OF PPA BUILDING MAIN LOBBY

PPA Corporate Bldg. South Harbor, Port Area, Manila



| NO. (1) | DESCRIPTION OF WORK (2) | UNIT (3) | QTY. (4) | UNIT PRICE (Pesos) (5) | AMOUNT (Pesos) (4) x (5) |
|----------------------|--|-------------|-------------|------------------------------|--------------------------------|
| 3.13 | Relocate and re-install existing smoke detector and speakers including accessories | lot | 1 | | |
| 3.14 | Re-install glass doors, glass partitions and ACP cladding on canopy including installation of anchoring supports for the glass walls | lot | 1 | | |
| 3.15 | Supply and install electrical works including accessories | lot | 1 | | |
| 3.16 | Supply, relocate and install sprinkler head including testing, commissioning and new provision for accessories | lot | 1 | | |
| TOTAL FOR BILL NO. 3 | | | | | |

Section VIII. 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);
or
- ☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,
and
- ☐ (c) Mayor’s or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
and
- ☐ (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

- ☐ (f) 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
- ☐ (g) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; and
- ☐ (h) 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
- ☐ (i) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; and
- ☐ (j) 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

- ☐ (k) The Supplier’s audited financial statements, showing, among others, the Supplier’s total and current assets and liabilities, stamped “received” by the 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; and
- ☐ (l) The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC);

or

A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class "B" Documents

- ☐ (m) If applicable, a duly signed joint venture agreement (JVA) 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.

Other documentary requirements under RA No. 9184 (as applicable)

- ☐ (n) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- ☐ (o) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

25 FINANCIAL COMPONENT ENVELOPE

- ☐ (a) Original of duly signed and accomplished Financial Bid Form; **and**
- ☐ (b) Original of duly signed and accomplished Price Schedule(s).

Bid Form for the Procurement of Goods
[shall be submitted with the Bid]

BID FORM

Date : _____
Project Identification No. : _____

To: [name and address of Procuring Entity]

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, offer to [supply/deliver/perform] [description of the Goods] in conformity with the said PBDs for the sum of [total Bid amount in words and figures] or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. 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 or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of [name of the bidder] as evidenced by the attached [state the written authority].

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, 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: _____

Name of Bidder _____ Project ID No. _____ Page ____ of ____

Duly authorized to sign the Bid for and behalf of: _____

Price Schedule for Goods Offered from Within the Philippines
[shall be submitted with the Bid if bidder is offering goods from within the Philippines]

For Goods Offered from Within the Philippines

Name of Bidder _____ Project ID No. _____ Page ____ of ____

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------|-------------|-------------------|----------|-------------------------|---|--|--|-------------------------------------|---|
| Item | Description | Country of origin | Quantity | Unit price EXW per item | Transportation and all other costs incidental to delivery, per item | Sales and other taxes payable if Contract is awarded, per item | Cost of Incidental Services, if applicable, per item | Total Price, per unit (col 5+6+7+8) | Total Price delivered Final Destination (col 9) x (col 4) |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

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.: [Insert number]

To: [Insert name and address of the Procuring Entity]

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].

[Insert NAME OF BIDDER OR ITS
AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

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

Contract Agreement Form for the Procurement of Goods (Revised)
[Not required to be submitted with the Bid, but it shall be submitted within ten (10) days after
receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT made the ____ day of _____ 20____ between [name of
PROCURING ENTITY] of the Philippines (hereinafter called “the Entity”) of the one part and
[name of Supplier] of [city and country of Supplier] (hereinafter called “the Supplier”) of the
other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services,
particularly [brief description of goods and services] and has accepted a Bid by the Supplier
for the supply of those goods and services in the sum of [contract price in words and figures in
specified currency] (hereinafter called “the Contract Price”).

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 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 integral part of this Agreement, viz.:

- i. Philippine Bidding Documents (PBDs);
 - i. Schedule of Requirements;
 - ii. Technical Specifications;
 - iii. General and Special Conditions of Contract; and
 - iv. Supplemental or Bid Bulletins, if any
- ii. 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;
- iii. Performance Security;
- iv. Notice of Award of Contract; and the Bidder’s conforme thereto; and
- v. 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 [Name of the procuring entity] agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

[Insert Name and Signature]

[Insert Name and Signature]

[Insert Signatory's Legal Capacity]

[Insert Signatory's Legal Capacity]

for:

for:

[Insert Procuring Entity]

[Insert Name of Supplier]

Acknowledgment

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

Omnibus Sworn Statement (Revised)
[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

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

1. [Select one, delete the other:]

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. [Select one, delete the other:]

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], 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 [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] 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 [Name of the Project] of the [Name of the Procuring Entity], 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. [Select one, delete the rest:]

[If a sole proprietorship:] 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;

[If a partnership or cooperative:] 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;

[If a corporation or joint venture:] 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.

[Insert NAME OF BIDDER OR ITS
AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

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

Performance Securing Declaration (Revised)
[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacturer/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years for the second offense, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
 - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
 - i. Procuring Entity has no claims filed against the contract awardee;
 - ii. It has no claims for labor and materials filed against the contractor; and
 - iii. Other terms of the contract; or
 - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

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

[Insert NAME OF BIDDER OR ITS
AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

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

NET FINANCIAL CONTRACTING CAPACITY (NFCC) COMPUTATION

- A. The values of the bidder's current assets and current liabilities shall be based on the data submitted to the BIR, through its Electronic Filing and Payment System (EFPS).

| | | Year 20__ |
|----|---------------------------|-----------|
| 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 Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC = [(Current asset 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 = Php _____

K = 15

Herewith attached are certified true copies of the income tax return and audited financial statement: stamped "RECEIVED" by the BIR or BIR authorized collecting agent for the immediately preceding year.

Submitted by:

Name of Supplier/Distributor/Manufacturer

Signature of Authorized Representative

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

This is to certify that _____ has the following ongoing government and private contracts, including contracts awarded but not yet started:

[illegible]

***PROOF OF CONTRACT TO BE PRESENTED AT POST-QUALIFICATION.**

Name and Signature of Authorized Representative

Date _____

