

ITEM 32 : ARCHITECTURAL ITEMS**A20 : GREEN WALL (PTB ANNEX)****SCOPE OF WORK**

This item shall consist of furnishing all green wall materials, labor, tools and equipment required in undertaking the proper installation as shown on the Plans and in accordance with this specifications.

MATERIAL REQUIREMENTS

- Supply and installation of green wall system (felt plants included).
- Supply and installation of the flat bars for hanging plant box.
- Supply and installation of the watering/drainage pipe.
- Dimension: 2.325m X 4.80m

CONSTRUCTION REQUIREMENTS

Safety precautions and procedure shall be observed in determining the sizes and in providing the required clearances by measuring the actual area to receive the green wall.

WORKMANSHIP

Workmanship shall be executed in high quality comparable with artworks.

MOUNTING

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

Assemblies shall be mounted plumb, straight, and leveled.

ITEM 32 : ARCHITECTURAL ITEMS**A21 : POLYCARBONATE (PTB ANNEX)****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 item shall consist of furnishing all polycarbonate materials, labor, tools and equipment required in undertaking the proper installation as shown on the Plans and in accordance with this specifications.

MATERIALS**A. Framing**

1. Shall be extruded aluminum of 6063-T5, 6005-T5 or 6105-T5 alloy and temper. All sections shall be formed true to detail and free from defects impairing appearance, strength or durability.
2. Thermally-improved intermediate mullions shall be integrated with non-thermally broken perimeter aluminum framing members.

B. Glazing Gaskets

1. Shall be elastomeric, having low friction surfaces where they contact the glazing.
2. Shall be tested for chemical compatibility with the glazing, and test reports evidencing same shall be presented to the Architect.

C. Fasteners

1. Where exposed, shall be stainless steel, 300 Series, with stainless steel backed neoprene washers.
2. Concealed fasteners they may be stainless or zinc-plated steel in accordance with ASTM Specifications A165-55 or A164-55.
3. Bolts, anchors and other fastening devices shall be as required for the strength of the connections and shall be suitable for conditions encountered. Washers shall be of the same metals as fasteners.

D. Flashing

1. Minimum 0.040 thick Aluminum [painted finish: 3105-H14] [anodized finish: 5005-H34].

2. Factory formed to required profile(s) in 10-ft lengths, whenever practical, to allow for field trimming to suit as-built conditions.
3. The finish on this metal shall match as closely as possible that which is on the extruded aluminum framing members.

E. Glazing

Polycarbonate

A. Extruded Polycarbonate

- a. The extruded panels shall be uniform in color with an integral extruded multi-cell core. The panel's exterior skins shall be interconnected and spaced apart by continuous perpendicular supporting ribs. The space between the two exterior skins, in a cross section, shall be divided by multiple parallel intermediate walls.
- b. Extruded panels shall consist of a polycarbonate resin with permanent, co-extruded, ultraviolet (UV) protective layers on both sides of the panels. These protective layers shall be co-extruded by the manufacturer during the original extrusion of the panel and shall be a permanent part of both the interior and exterior of the panels. Post-applied coating or films of dissimilar materials are unacceptable.
- c. Panels shall be 6mm – 8mm thick.
- d. Panel width shall vary to suite needs of the project.

B. Monolithic Polycarbonate:

- a. The solid polycarbonate panels shall be uniform in color.
- b. Solid panels shall consist of a polycarbonate resin with a permanent co-formulated ultraviolet (UV) protective additive.
- e. Panels shall be 6mm - 8mm thick.
- c. Panel width shall vary to suite needs of the project.

F. Attachment

- a. System shall be fastened to substrate with fasteners that are designed and installed by the installer.
- b. Fasteners to penetrate through one-piece perimeter extrusions, and through base extrusions of intermediate mullions.

- c. Any shims or appurtenances required to facilitate system mounting and isolation shall be provided and installed by the installer.

G. Flammability

- a. The panel shall have a CC1 fire rating classification when tested in accordance with ASTM D-635 or equivalent.
- b. The panel shall have a [Class A][Class B] or [Class C] flame spread and smoke development rating when tested in accordance with ASTM E-84.

FINISHES / SPECIFICATIONS

- Supply and Install 4 feet X 10 feet X 6.00mm Polycarbonate with complete accessories.

FABRICATION AND WORKMANSHIP

- A. Construct canopy using extruded aluminum members or any structural design member approved by the structural design.
- B. Carefully and accurately design, fabricate and assemble work with proper provision for thermal contraction and expansion. Work shall conform to profiles and sections noted on the shop drawings. Work shall be assembled with joints in a neat and finished manner.
- C. All framing members shall be factory fabricated and assembled to the greatest degree possible, including the following:
 - Cutting members to length.
 - Installation of glazing gaskets, to be glued within extruded gasket tracks.
 - Drilling straight and countersunk mounting holes, fastener access holes, and weep holes.
 - Fabricating miter joints with concealed joint reinforcements and joint gaskets.
 - Installation of non-metallic thermal isolation spacers.
 - Removal of extrusion portions to accommodate tight over-lapping joinery and connections, including coped ends, mid-span notches, etc.
 - Fabrication and installation of splice plates at jointed connections.

EXECUTION

A. EXAMINATION

- a. All submitted opening sizes, dimensions and tolerances are to be field verified by the installer unless otherwise stipulated.
- b. Installer to examine site conditions to verify readiness. Notify general contractor or owner about any defects requiring correction, including but not limited to improperly sloping sill substrates and uneven planar substrates. Do not work until conditions are satisfactory.

B. INSTALLATION

- a. Install components in strict accordance with manufacturer's instructions and approved shop drawings. Use proper fasteners and hardware for material attachments as specified.
- b. Use methods of attachment to structure which include provisions for thermal movement.
- c. Glazing shall be installed in accordance with panel and system manufacturer's guidelines.
- d. Remove all protective coverings on polycarbonate panels during or immediately after installation.
- e. Installation shall be performed by a company with ten (10) years continuous experience in commercial construction.
- f. Protect contact points between unprotected dissimilar metals (except stainless steel) using continuous separators of FRP, PVC tape (or approved equal)

C. CLEANING AND PROTECTION

- a. During installation, protect exposed surfaces against accumulation of paint, caulking, disfiguration and damage.
- b. Interior glazing surfaces shall be cleaned as the panels are being installed. The exterior shall be cleaned as each phase of the work is completed.
- c. Follow panel manufacturer instructions when cleaning exposed panel surfaces. Clean polycarbonate and frame at time of installation.
- d. Follow panel manufacturer's guidelines when removing foreign substances from panel surfaces. Use only solvents that are deemed acceptable for use.
- e. Before final acceptance, repair and/or replace any defective materials or work.

ITEM 32 : ARCHITECTURAL ITEMS**A22 : ALUMINUM TRELLIS (PTB ANNEX)****INTRODUCTION**

Trellis is an architectural structure, usually made from an open framework or lattice of interwoven or intersecting pieces of wood, bamboo or metal that is normally made to support and display climbing plants or simply for aesthetic purposes.

SCOPE OF WORK

This item shall consist of furnishing all aluminum trellis materials, labor, tools and equipment required in undertaking the proper installation as shown on the Plans and in accordance with this specifications.

MATERIAL REQUIREMENTS

1. Aluminum Trellis shall be fabricated from extruded aluminum sections true to details with clean, straight, sharply defined profiles and free from defects impairing strength, durability and appearance.
2. Extruded aluminum sections shall conform to the specification requirements of ASTM B-211.
3. Brackets, Anchor, Screws, nuts, washers, bolts, rivets, and other miscellaneous fastening devices shall be made of non-corrosive materials such as aluminum and stainless steel.

SPECIFICATIONS

Supply and Installation of 2" x 2" Aluminum Tubular Powder Coated Finish in length of 2.35m, 2.05m and 1.82m.

CONSTRUCTION REQUIREMENTS

1. For all fabrication works, the cut ends shall be true to line, free of burrs and rough edges.
2. Protections
 - a. All aluminum parts shall be protected adequately to ensure against damage during transit and construction operations.
 - b. Aluminum parts in contact with steel members shall be properly insulated by a coat of zinc chromate primer applied to the steel or by application of bituminous paint.

3. Cleaning

- a. The contractor shall protect all entrance units during construction and shall be responsible for removal of protective materials and cleaning all aluminum surfaces.
- b. Aluminum shall be thoroughly cleaned with plain water with kerosene or gasoline and then wipe surfaces using clean cotton fabrics. No abrasive cleaning agents shall be permitted.

ITEM 32 : ARCHITECTURAL ITEMS

A23 : ROOFING AND TINSMITHRY (POB EXTENSION)

SCOPE OF WORK

The work shall include but not limited to all labor, materials, tools, equipment and incidentals necessary to furnish and install the roofing sheets including fittings, flashing caps, ridge rolls, gutters and construction of concrete eaves and canopy excluding waterproofing, to provide completely sound water tight roof for the buildings as shown on the Drawings and specified herein.

MATERIAL REQUIREMENTS

ROOFING SHEETS

Roof Panel, Long span, pre-painted, pre-insulated roof panel system, composed of an exterior metal skin cladding using "snap on side overlap" fastening system and an interior liner cladding of either metal skin or aluminum kraft vapor barrier sandwiched between is, PIR "Polyisocyanurate" foam to provide a high level thermal insulation.

Base Metal thickness	:	From 0.60mm (standard) a specific tonnage is required for non-standard thickness
Effective Coverage	:	1000 mm
Rib Height	:	33 mm
Rib Spacing	:	250 mm
Length	:	up to transportable length (long span), minimum chance of leaks
Material Finish	:	Colorlume , Galvalume , PVDF Aluminum and Stainless
Insulation Thickness	:	25mm thk
Insulation Materials	:	Polyisocyanurate (PIR) / Polyurethane (PU)

EXECUTION

ROOFING SHEETS

1. Roof, Long span

Spacing of purlins safe at 1.0m to 1.2m.

At least 28 days before laying of roofing sheet start, the Contractor shall submit for approval of the Project-In-Charged, shop drawings indicating materials and method of installation. No roofing sheets laying work shall commence without the Project-In-Charged approval of the shop drawings and work method.

Laying shall start from the end opposite the side from where the prevailing monsoon is coming from. The first sheet shall be laid and installed with the turned-down edge towards the outside of the area to be covered. The next sheet shall be overlapped to the previous sheet in such a manner that the exposed edge is turned down and the covered edge is turned up. The overlapped edge in the side shall be with the rib having the anti-capillary groove. End and side laps including flashing shall be as approved by the Project-In-Charged.

The straps shall be fixed and fastened with the fastener and washer as shown on the Drawings.

CONCRETE EAVES AND CANOPY

Construction of concrete eaves and canopy shall be in accordance with Reinforced Concrete as shown on the Drawings and as directed by the Project-In-Charged.

Waterproofing shall be in accordance with "Concrete Waterproofing".

HANDLING AND STORAGE

Sheet shall be lifted directly and shall not be dragged over the other sheets or over rough surfaces.

When working on a roof, the workers shall wear flat rubber soled shoes.

Tool shall be handled carefully to prevent them from sliding over the coated surface.

When installation work is completed, all metal off-cuts, used nails and other metallic scrap shall be removed from roof area.

When using drills, hacksaws, or files in the roof area, care shall be taken that metal particles and fillings are swept off the roof immediately.

If not required for immediate use, sheets or bundles shall be staked and clear off the ground. If left in the open, sheets shall be protected by loose tarpaulin or similar covers.

Bundles shall not be left expose to the weather.

CONCRETE EAVES AND CANOPY MATERIALS

Concrete materials shall comply with the requirements in Concrete Works.

Reinforcing Steel bars shall likewise conform with the requirements in Concrete Works.

C CHANNEL

Aluminum C-channel is often referred to as architectural angle and channel. Aluminum C-channel has uses in many industries and is often an ideal choice due to its non-corrosive properties and structural strength. Aluminum C-channel is considerably less expensive than wood, is lighter in weight, insect resistant, and resists warping and cracking from water damage.

C-sections

Height: 100, 120, 150, 200, 250, 300 mm

Thickness: 1.0–3.0 mm

Minimum length 1600 mm

Maximum length 18000 mm

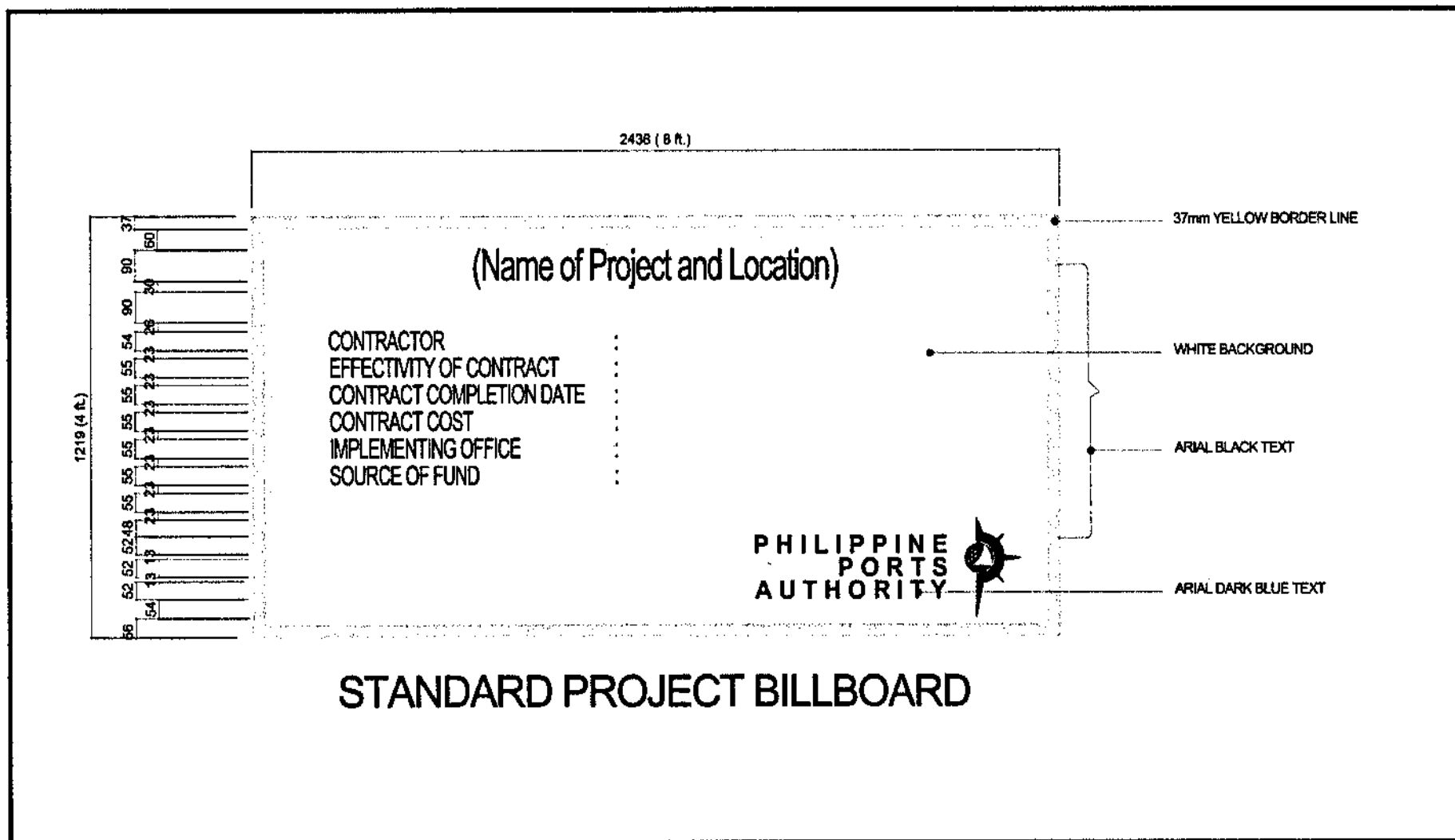
ITEM 33 : PROJECT BILLBOARD**SPECIFICATION**

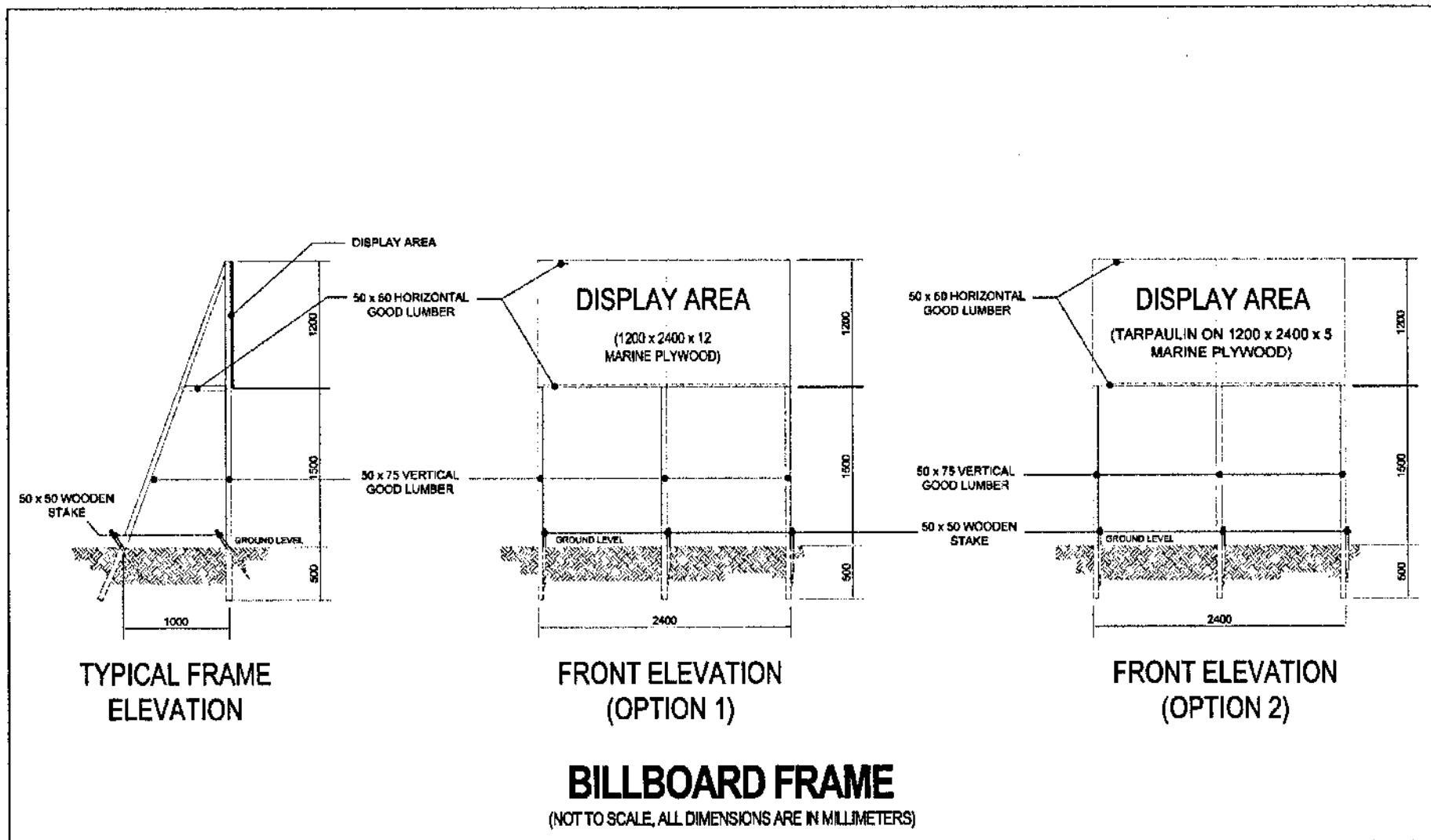
The Project Billboard shall be installed at location(s) designated by the Engineer.

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.





“To all our contractors, suppliers, and service providers, all we ask is for you to

SPEED UP

your contracts and **FINISH**

AHEAD of schedule,

WITHOUT SACRIFICING

QUALITY

of work, and **REASONABLENESS**

OF COST agreed upon. Gawin niyo

‘yan at hindi tayo maghihiwalay ng

landas (Do that and we will not part ways).”

A Message from
DOTr Secretary Arthur Tugade



 @DOTrPH

 @DOTrPH

www.dotr.gov.ph

ITEM 34 : 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.

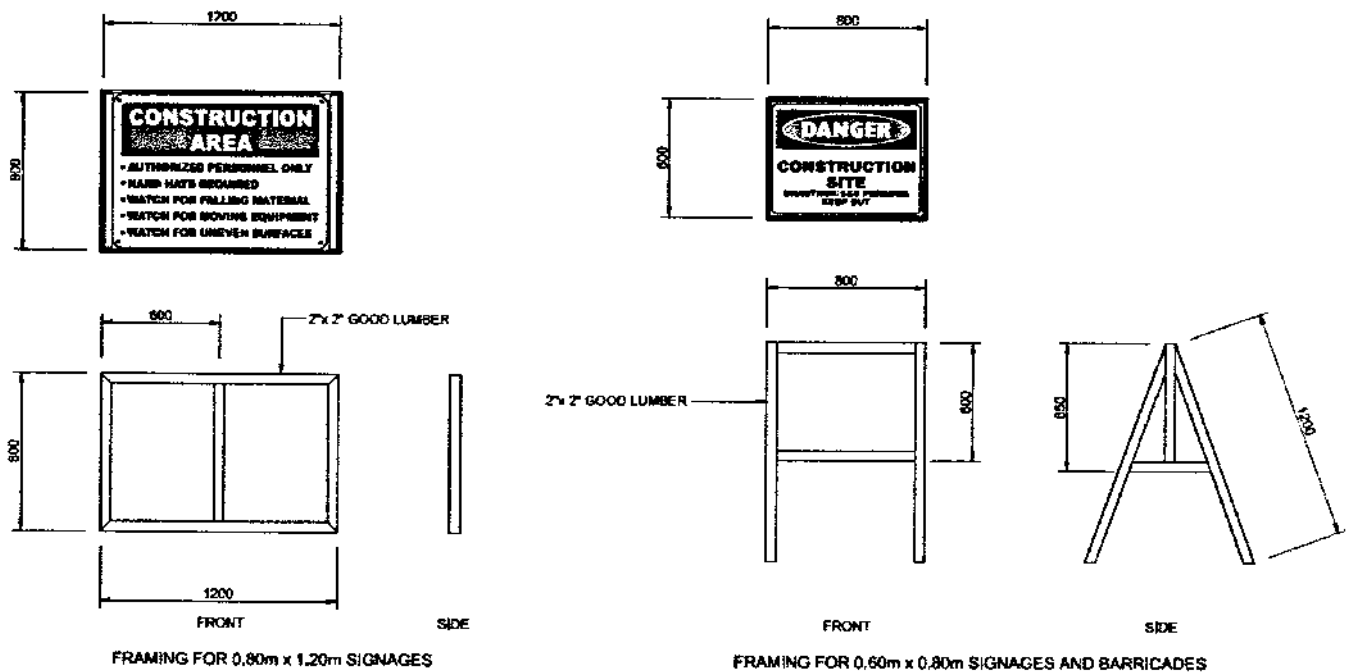
SPECIFICATION

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.



STANDARD PLAN FOR SIGNAGES AND BARRICADES

SECTION VII

DRAWINGS
(APPROVED PLANS)

SECTION VII

DRAWINGS AND APPROVED PLANS

(SEE ISSUED APPROVED PLANS)

LIST OF DRAWINGS: PORT OPERATIONS BUILDING EXTENSION: ARCHITECTURAL

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A - 04 of 20	<ul style="list-style-type: none"> THIRD FLOOR PLAN ROOF DECK PLAN 	
A - 05 of 20	<ul style="list-style-type: none"> FRONT ELEVATION REAR ELEVATION 	<ul style="list-style-type: none"> RIGHT SIDE ELEVATION LEFT SIDE ELEVATION
A - 06 of 20	<ul style="list-style-type: none"> SECTION THRU X-X' SECTION THRU Y-Y' 	
A - 07 of 20	<ul style="list-style-type: none"> GF REFLECTED CEILING PLAN 2F REFLECTED CEILING PLAN 	
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P - 18 of 21	<ul style="list-style-type: none"> SECOND FLOOR WATER LINE ISOMETRIC LAYOUT PLAN

P - 19 of 21	<ul style="list-style-type: none"> SECOND FLOOR WATER LINE ISOMETRIC LAYOUT PLAN
P - 20 of 21	<ul style="list-style-type: none"> ROOF DECK WATER LINE ISOMETRIC LAYOUT PLAN
P - 21 of 21	<ul style="list-style-type: none"> STORM DRAINAGE ISOMETRIC LAYOUT PLAN TYPICAL DETAIL OF ROOF DRAIN

FIRE PROTECTION

FP - 01 of 08	<ul style="list-style-type: none"> GENERAL NOTES MATERIAL SPECIFICATIONS ABBREVIATIONS SCHEDULE OF EQUIPMENT LEGEND 	<ul style="list-style-type: none"> DETAIL OF FLUSHING CONNECTION DETAIL OF PIPE HANGER DETAIL OF PIPE SLEEVE
FP - 02 of 08	<ul style="list-style-type: none"> GROUND FLOOR SPRINKLER LAYOUT SECOND FLOOR SPRINKLER LAYOUT 	
FP - 03 of 08	<ul style="list-style-type: none"> THIRD FLOOR SPRINKLER LAYOUT GROUND FLOOR FIRE EXTINGUISHER LAYOUT 	
FP - 04 of 08	<ul style="list-style-type: none"> SECOND FLOOR FIRE EXTINGUISHER LAYOUT THIRD FLOOR FIRE EXTINGUISHER LAYOUT 	
FP - 05 of 08	<ul style="list-style-type: none"> FIRE PROTECTION RISER DIAGRAM SYSTEM FIRE PUMP ROOM BLOW-UP PLAN 	<ul style="list-style-type: none"> FIRE PUMP ROOM LONGITUDINAL SECTION
FP - 06 of 08	<ul style="list-style-type: none"> DETAIL OF INSPECTOR TEST CONNECTION DETAIL OF FIRE HOSE CABINET DETAIL OF ALARM CHECK VALVE ASSEMBLY (WET TYPE) DETAIL OF FIRE HOSE VALVE 	<ul style="list-style-type: none"> DETAIL OF SUPERVISORY FLOOR CONTROL VALVE ASSEMBLY DETAIL OF FIRE DEPT. INLET CONNECTION DETAIL OF ALARM MOTOR GONG
FP - 07 of 08	<ul style="list-style-type: none"> DETAIL OF ROOF MANIFOLD OUTLET (SIAMESE TWIN) SPOT DETAIL MOTOR SWITCH DETAIL PORTABLE FIRE EXTINGUISHER MOUNTING DETAIL WATERFLOW SWITCH DETAIL POSITION OF DEFLECTOR WHEN LOCATED ABOVE & BELOW OF BEAM UPRIGHT TYPE SPRINKLER HEAD DETAIL 	<ul style="list-style-type: none"> PENDANT TYPE SPRINKLER HEAD DETAIL
FP - 08 of 08	<ul style="list-style-type: none"> SITE DEVELOPMENT PLAN 	

PUMP HOUSE

PH - 01 of 06	<ul style="list-style-type: none"> FLOOR PLAN ROOF PLAN REFLECTED CEILING PLAN 	<ul style="list-style-type: none"> SCHEDULE OF DOOR AND WINDOW LOCATION PLAN
PH - 02 of 06	<ul style="list-style-type: none"> FRONT ELEVATION RIGHT SIDE ELEVATION REAR ELEVATION 	<ul style="list-style-type: none"> LEFT SIDE ELEVATION SECTION THRU X-X SECTION THRU Y-Y
PH - 03 of 06	<ul style="list-style-type: none"> FOUNDATION PLAN (PUMP HOUSE) GROUND FLOOR FRAMING PLAN (PUMP HOUSE) ROOF FRAMING PLAN (PUMP HOUSE) RETAINING WALL DETAIL DETAIL OF MANHOLE COVER COLUMN SCHEDULE PUMP HOUSE BEAM SCHEDULE 	
PH - 04 of 04	<ul style="list-style-type: none"> FLOOR LIGHTING & POWER LAYOUT PLAN LEGEND SCHEDULE OF LOAD 	

ANNEX - 01 of 04	<ul style="list-style-type: none"> GROUND FLOOR CCTV LAYOUT SECOND FLOOR CCTV LAYOUT
ANNEX - 02 of 04	<ul style="list-style-type: none"> THIRD FLOOR CCTV LAYOUT
ANNEX - 03 of 04	<ul style="list-style-type: none"> GROUND FLOOR WIRING LAYOUT SECOND FLOOR WIRING LAYOUT
ANNEX - 04 of 04	<ul style="list-style-type: none"> THIRD FLOOR WIRING LAYOUT

PTB ANNEX

ARCHITECTURAL

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A - 02 of 18	<ul style="list-style-type: none"> SITE DEVELOPMENT PLAN BLOW-UP SITE DEVELOPMENT PLAN 	
A - 03 of 18	<ul style="list-style-type: none"> FLOOR PLAN 	
A - 04 of 18	<ul style="list-style-type: none"> ROOF DECK PLAN 	
A - 05 of 18	<ul style="list-style-type: none"> REFLECTED CEILING PLAN 	
A - 06 of 18	<ul style="list-style-type: none"> WALL PARTITION LAYOUT PLAN 	
A - 07 of 18	<ul style="list-style-type: none"> ROOF DECK WALLS AND PARTITION LAYOUT 	
A - 08 of 18	<ul style="list-style-type: none"> FRONT ELEVATION REAR ELEVATION 	<ul style="list-style-type: none"> RIGHT SIDE ELEVATION
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A - 10 of 18	<ul style="list-style-type: none"> SCHEDULE OF DOORS 	
A - 11 of 18	<ul style="list-style-type: none"> SCHEDULE OF WINDOWS 	
A - 12 of 18	<ul style="list-style-type: none"> SCHEDULE OF WINDOWS 	
A - 13 of 18	<ul style="list-style-type: none"> TYPICAL RAMP-1 DETAILS FLOOR PLAN FRONT ELEVATION SECTION THRU J'-J" 	<ul style="list-style-type: none"> SECTION THRU K'-K" HAND RAIL CONNECTION-1 DETAILS HAND RAIL CONNECTION-2 DETAILS
A - 14 of 18	<ul style="list-style-type: none"> RAMP-2 DETAILS FLOOR PLAN FRONT ELEVATION 	<ul style="list-style-type: none"> SECTION THRU L'-L" SECTION THRU M'-M"

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A - 16 of 18	<ul style="list-style-type: none"> TYPICAL ALL GENDER TOILET DETAILS FLOOR PLAN SECTION THRU A'-A" SECTION THRU B'-B" TYPICAL MALE TOILET DETAILS FLOOR PLAN 	<ul style="list-style-type: none"> SECTION THRU C'-C" SECTION THRU D'-D" TYPICAL FEMALE TOILET DETAILS FLOOR PLAN SECTION THRU E'-E" SECTION THRU F'-F"
A - 17 of 18	<ul style="list-style-type: none"> TYPICAL MALE & FEMALE PWD TOILET DETAILS FLOOR PLAN SECTION THRU G'-G" SECTION THRU H'-H" SECTION THRU I'-I" GRAB BAR DETAILS (TYP.) 	<ul style="list-style-type: none"> FLIP-UP BAR DETAILS (TYP.) MIRROR DETAILS FOOT BATH DETAILS DRYWALL DETAILS LADDER DETAILS
A - 18 of 18	<ul style="list-style-type: none"> CANOPY-1 DETAILS (TYPICAL) PLAN ELEVATION 	<ul style="list-style-type: none"> CANOPY-2 DETAILS (REINFORCED CONCRETE) PPA LOGO & SIGNAGE DETAILS

STRUCTURAL

S - 01 of 11	<ul style="list-style-type: none"> GENERAL NOTES 	
S - 02 of 11	<ul style="list-style-type: none"> FOUNDATION PLAN 	
S - 03 of 11	<ul style="list-style-type: none"> GROUND FLOOR PLAN 	
S - 04 of 11	<ul style="list-style-type: none"> CANOPY BEAM LAYOUT 	
S - 05 of 11	<ul style="list-style-type: none"> ROOF DECK BEAM LAYOUT 	
S - 06 of 11	<ul style="list-style-type: none"> DETAIL OF FOOTING (C1/F1) DETAIL OF FOOTING (C1/F2) DETAIL OF WALL FOOTING-1 DETAIL OF WALL FOOTING-2 DETAIL OF CHB WALL AT TIE BEAM 	<ul style="list-style-type: none"> TYP. DETAIL OF RAMP REINFORCEMENT TYP. DETAIL OF FLOOR STEP-UP ON GRADE SLAB DETAIL ON GRADE
S - 07 of 11	<ul style="list-style-type: none"> TYP. DETAIL OF CANOPY-1 TYP. DETAIL OF CANOPY-2 TYP. DETAIL OF PARAPET WALL CONNECTION DETAIL OF CANOPY-1 	<ul style="list-style-type: none"> 16mm THK. BASE PLATE DETAIL BEAM SCHEDULE
S - 08 of 11	<ul style="list-style-type: none"> TYPICAL BEAM REINFORCEMENT AT COLUMN SUPPORT TYPICAL INTERMEDIATE BEAM REINFORCEMENT AT BEAM SUPPORT 	<ul style="list-style-type: none"> TYPICAL GIRDER REINFORCEMENT TYPICAL SLAB REINFORCEMENT DETAIL

S - 09 of 11	<ul style="list-style-type: none"> COLUMN SCHEDULE TYPICAL COLUMN ELEVATION 	<ul style="list-style-type: none"> LINTEL BEAM DETAILS STIFFENER COLUMN DETAILS
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S - 11 of 11	<ul style="list-style-type: none"> CONCRETE PAVEMENT LAYOUT PLAN SECTION Z DETAIL OF 300mm THL. PCC PAVEMENT 	

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E - 01 of 06	<ul style="list-style-type: none"> LIGHTING LAYOUT PLAN LEGEND 	
E - 02 of 06	<ul style="list-style-type: none"> POWER LAYOUT PLAN LEGEND 	
E - 03 of 06	<ul style="list-style-type: none"> ROOF DECK LIGHTNING PROTECTION LAYOUT PLAN 	<ul style="list-style-type: none"> LEGEND
E - 04 of 06	<ul style="list-style-type: none"> SCHEDULE OF LOAD SINGLE DIAGRAM 	
E - 05 of 06	<ul style="list-style-type: none"> SERVICE ENTRANCE LAYOUT PLAN LEGEND GENERAL NOTES 	<ul style="list-style-type: none"> RECOMMENDATION DRAWING INDEX
E - 06 of 06	<ul style="list-style-type: none"> DETAIL OF DUCTBANK DETAIL OF CONCRETE PEDESTAL POST 	<ul style="list-style-type: none"> DETAIL OF HANDHOLE
BGM - 01 of 01	<ul style="list-style-type: none"> BACKGROUND MUSIC/ PAGING ALARM LAYOUT PLAN LEGEND 	<ul style="list-style-type: none"> NOTE ON BGM/ PA SYSTEM SINGLE LINE DIAGRAM (BGM/ PA)
FDAS - 01 of 01	<ul style="list-style-type: none"> FIRE DETECTION ALARM SYSTEM (FDAS) LAYOUT PLAN LEGEND 	<ul style="list-style-type: none"> NOTE ON FDAS SINGLE LINE DIAGRAM (FDAS)
CATV/ TEL - 01 of 01	<ul style="list-style-type: none"> LEGEND NOTE ON CATV SINGLE LINE DIAGRAM (CATV) AND TELEPHONE 	

MECHANICAL

M - 01 of 03	<ul style="list-style-type: none"> AIR CONDITION LAYOUT PLAN LEGEND 	
M - 02 of 03	<ul style="list-style-type: none"> ROOF DECK OUTDOOR AIR COOLED CONDENSING UNIT LEGEND 	
M - 03 of 03	<ul style="list-style-type: none"> MECHANICAL EQUIPMENT SCHEDULE GENERAL NOTES 	

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P - 01 of 08	<ul style="list-style-type: none"> DETAILS OF SEPTIC TANK DETAILS OF CATCH BASIN CLEANOUT DETAILS PIPE TRENCH BEDDING GENERAL NOTES AND SPECIFICATIONS 	<ul style="list-style-type: none"> MATERIAL SPECIFICATIONS SCHEDULE OF PIPE (SEWER LINE) SCHEDULE OF PIPE (WATER LINE)
P - 02 of 08	<ul style="list-style-type: none"> SITE DEVELOPMENT PLAN 	
P - 03 of 08	<ul style="list-style-type: none"> GROUND FLOOR SANITARY DRAINAGE LAYOUT PLAN LEGENDS 	<ul style="list-style-type: none"> SCHEDULE OF PIPE (SEWER LINE)
P - 04 of 08	<ul style="list-style-type: none"> GROUND FLOOR WATER LINE LAYOUT PLAN DETAIL OF AIR CHAMBER 	<ul style="list-style-type: none"> DETAIL OF WATER METER LEGENDS SCHEDULE OF PIPE (SEWER LINE)
P - 05 of 08	<ul style="list-style-type: none"> GROUND FLOOR STORM WATER DRAINAGE LAYOUT PLAN ROOF DECK STORM WATER DRAINAGE LAYOUT PLAN 	<ul style="list-style-type: none"> LEGENDS
P - 06 of 08	<ul style="list-style-type: none"> GROUND FLOOR SANITARY DRAINAGE ISOMETRIC LAYOUT PLAN 	
P - 07 of 08	<ul style="list-style-type: none"> GROUND FLOOR WATER LINE ISOMETRIC LAYOUT PLAN 	
P - 08 of 08	<ul style="list-style-type: none"> STORM DRAINAGE ISOMETRIC LAYOUT PLAN TYPICAL DETAIL OF ROOF DRAIN 	

FIRE PROTECTION

FP - 01 of 05	<ul style="list-style-type: none"> GENERAL NOTES MATERIALS SPECIFICATIONS ABBREVIATIONS SCHEDULE OF EQUIPMENT LEGEND 	<ul style="list-style-type: none"> DETAIL OF FLUSHING CONNECTION DETAIL OF PIPE HANGER DETAIL OF PIPE SLEEVE
FP - 02 of 05	<ul style="list-style-type: none"> SPRINKLER LAYOUT FIRE EXTINGUISHER LAYOUT 	
FP - 03 of 05	<ul style="list-style-type: none"> FIRE PROTECTION SYSTEM RISER DIAGRAM SITE DEVELOPMENT PLAN 	
FP - 04 of 05	<ul style="list-style-type: none"> DETAIL OF INSPECTOR TEST CONNECTION DETAIL OF FIRE HOSE CABINET DETAIL OF ALARM CHECK VALVE ASSEMBLY (WET PIPE) DETAIL OF FIRE HOSE VALVE 	<ul style="list-style-type: none"> DETAIL OF SUPERVISORY FLOOR CONTROL VALVE ASSEMBLY DETAIL OF FIRE DEPT. INLET CONNECTION DETAIL OF ALARM MOTOR GONG
FP - 05 of 05	<ul style="list-style-type: none"> DETAIL OF ROOF MANIFOLD OUTLET (SIAMESE TWIN) SPOT DETAIL MOTOR SWITCH DETAIL PORTABLE FIRE EXTINGUISHER MOUNTING DETAIL WATERFLOW SWITCH DETAIL 	<ul style="list-style-type: none"> POSITION OF DEFLECTOR WHEN LOCATED ABOVE & BELOW OF BEAM UPRIGHT TYPE SPRINKLER HEAD DETAIL PENDANT TYPE SPRINKLER HEAD DETAIL

DOMESTIC PUMP HOUSE

PH - 01 of 06	<ul style="list-style-type: none"> FLOOR PLAN ROOF PLAN REFLECTED CEILING PLAN 	<ul style="list-style-type: none"> LOCATION PLAN SCHEDULE OF DOORS AND WINDOWS LEGEND
PH - 02 of 06	<ul style="list-style-type: none"> FRONT ELEVATION RIGHT SIDE ELEVATION REAR ELEVATION LEFT SIDE ELEVATION 	<ul style="list-style-type: none"> SECTION THRU X-X' SECTION THRU Z-Z' SECTION THRU Y-Y'
PH - 03 of 06	<ul style="list-style-type: none"> FOUNDATION PLAN GROUND FLOOR FRAMING PLAN 	<ul style="list-style-type: none"> ROOF FRAMING PLAN
PH - 04 of 06	<ul style="list-style-type: none"> RETAINING WALL DETAIL OF WALL FOOTING DETAIL OF MANHOLE COVER COLUMN SCHEDULE 	<ul style="list-style-type: none"> PUMP HOUSE BEAM SCHEDULE DETAIL OF STEP-UP
PH - 05 of 06	<ul style="list-style-type: none"> LIGHTING LAYOUT PLAN POWER LAYOUT PLAN 	<ul style="list-style-type: none"> LEGEND SCHEDULE OF LOAD
PH - 06 of 06	<ul style="list-style-type: none"> PUMP HOUSE PLUMBING PLAN WATER SUPPLY SCHEMATIC DIAGRAM 	

ANNEX

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ANNEX - 02 of 02	<ul style="list-style-type: none"> WIRING LAYOUT

LAW ENFORCEMENT BUILDING

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A - 03 of 36	<ul style="list-style-type: none"> GROUND FLOOR PLAN LEGEND 	
A - 04 of 36	<ul style="list-style-type: none"> SECOND FLOOR PLAN LEGEND 	
A - 05 of 36	<ul style="list-style-type: none"> THIRD FLOOR PLAN LEGEND 	
A - 06 of 36	<ul style="list-style-type: none"> ROOF DECK PLAN LEGEND 	
A - 07 of 36	<ul style="list-style-type: none"> FRONT ELEVATION REAR ELEVATION 	

A - 08 of 36	<ul style="list-style-type: none"> • LEFT SIDE ELEVATION • RIGHT SIDE ELEVATION
A - 09 of 36	<ul style="list-style-type: none"> • LONGITUDINAL SECTION • CROSS SECTION
A - 10 of 36	<ul style="list-style-type: none"> • SCHEDULE OF DOORS • SCHEDULE OF WINDOWS • SCHEDULE OF GLASS PARTITIONS
A - 11 of 36	<ul style="list-style-type: none"> • GROUND FLOOR REFLECTED CEILING PLAN • COVE LIGHT DETAIL - 1 • COVE LIGHT DETAIL - 2 • LEGEND
A - 12 of 36	<ul style="list-style-type: none"> • SECOND FLOOR REFLECTED CEILING PLAN • COVE LIGHT DETAILS - 2 • LEGENDS
A - 13 of 36	<ul style="list-style-type: none"> • THIRD FLOOR REFLECTED CEILING PLAN • LEGENDS
A - 14 of 36	<ul style="list-style-type: none"> • GROUND FLOOR WALL PARTITION LAYOUT PLAN • LEGENDS
A - 15 of 36	<ul style="list-style-type: none"> • SECOND FLOOR WALL PARTITION LAYOUT PLAN • LEGENDS
A - 16 of 36	<ul style="list-style-type: none"> • THIRD FLOOR WALL PARTITION LAYOUT PLAN • LEGEND
A - 17 of 36	<ul style="list-style-type: none"> • ROOF DECK WALL PARTITION LAYOUT PLAN • LEGEND
A - 18 of 36	<ul style="list-style-type: none"> • TYPICAL FEMALE TOILET DETAILS • TYPICAL PWD COMMON TOILET DETAILS
A - 19 of 36	<ul style="list-style-type: none"> • TYPICAL ALL-GENDER TOILET DETAILS • TYPICAL MALE TOILET DETAILS
A - 20 of 36	<ul style="list-style-type: none"> • TYPICAL FEMALE TEMPORARY CELL'S TOILET DETAILS • TYPICAL MALE TEMPORARY CELL'S TOILET DETAILS
A - 21 of 36	<ul style="list-style-type: none"> • TYPICAL INVESTIGATION ROOM'S TOILET DETAILS • STATION COMMANDER'S TOILET DETAILS
A - 22 of 36	<ul style="list-style-type: none"> • CLINIC'S TOILET DETAILS • HEALTH OFFICE/ STATION'S TOILET DETAILS
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A - 24 of 36	<ul style="list-style-type: none"> • GUEST ROOM-1 TOILET AND BATH DETAILS • STA.COM'S TOILET AND BATH DETAILS
A - 25 of 36	<ul style="list-style-type: none"> • GUEST ROOM-2 TOILET AND BATH DETAILS • MALE QUARTER'S TOILET AND BATH DETAILS
A - 26 of 36	<ul style="list-style-type: none"> • FEMALE QUARTER'S TOILET AND BATH DETAILS • GRAB BAR DETAILS(TYPICAL) • TYPICAL MIRROR DETAILS • TYPICAL FLIP-UP BAR DET.
A - 27 of 36	<ul style="list-style-type: none"> • CELL ROOM'S BLOW-UP PLAN

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A - 29 of 36	<ul style="list-style-type: none"> STAIR-1 DETAILS GROUND FLOOR BLOW-UP PLAN SECOND FLOOR BLOW-UP PLAN THIRD FLOOR BLOW-UP PLAN SECTION THRU O-O' SECTION THRU P-P'
A - 30 of 36	<ul style="list-style-type: none"> STAIR-2 DETAILS GROUND FLOOR BLOW-UP PLAN SECOND FLOOR BLOW-UP PLAN THIRD FLOOR BLOW-UP PLAN SECTION THRU Q-Q' SECTION THRU R-R'
A - 31 of 36	<ul style="list-style-type: none"> STAIR-3 DETAILS GROUND FLOOR BLOW-UP PLAN SECOND FLOOR BLOW-UP PLAN SECTION THRU S-S' SECTION THRU T-T' HANDRAIL CONNECTION DETAILS - 1 ISOMETRIC
A - 32 of 36	<ul style="list-style-type: none"> RAMP-1 DETAILS BLOW-UP PLAN ELEVATION-1 ELEVATION-2 SECTION THRU F-F' SECTION THRU G-G' HANDRAIL CONNECTION DETAILS - 2 BLOW-UP DETAIL
A - 33 of 36	<ul style="list-style-type: none"> RAMP-2 DETAILS BLOW-UP PLAN ELEVATION-1 ELEVATION-2 SECTION THRU H-H' SECTION THRU I-I'
A - 34 of 36	<ul style="list-style-type: none"> RAMP-3 DETAILS BLOW-UP PLAN ELEVATION-1 ELEVATION-2 SECTION THRU J-J' SECTION THRU K-K'
A - 35 of 36	<ul style="list-style-type: none"> RAMP-4 DETAILS BLOW-UP PLAN ELEVATION-1 ELEVATION-2 SECTION THRU L-L' SECTION THRU M-M'
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STRUCTURAL

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S - 03 of 15	<ul style="list-style-type: none"> PILE CAP AND COLUMN LAYOUT PLAN DETAIL OF PILE CAP 2 (PC-2)
S - 04 of 15	<ul style="list-style-type: none"> WALL FOUNDATION AND SLAB ON FILL PLAN EXTERIOR WALL FOOTING (WF-1) INTERIOR WALL FOOTING (WF-2) DETAIL OF CHB AT TIE BEAM
S - 05 of 15	<ul style="list-style-type: none"> GROUND FLOOR FRAMING PLAN SLAB DETAILS TYP. DETAIL OF STEP-UP TYP. DETAIL OF RAMP REINFORCEMENT
S - 06 of 15	<ul style="list-style-type: none"> SECOND FLOOR LEVEL BEAM LAY-OUT SLAB DETAILS TYPICAL CHB WALL ON SUSPENDED SLAB DETAIL TYP. DETAIL OF CANOPY 1-A AND 1-B TYP. DETAIL OF CANOPY WITH PARAPET WALL 1
S - 07 of 15	<ul style="list-style-type: none"> THIRD FLOOR LEVEL BEAM LAY-OUT SLAB DETAILS TYPICAL CHB WALL ON SUSPENDED SLAB DETAIL TYPICAL DETAIL OF CANOPY 2 TYP. DETAIL OF CANOPY 2 WITH PARAPET WALL 2

S - 08 of 15	<ul style="list-style-type: none"> ▪ ROOF PLAN BEAM LAY-OUT ▪ DETAIL OF CANOPY WITH PARAPET WALL 2 	<ul style="list-style-type: none"> ▪ ROOF PLAN BEAM LAY-OUT FOR STAIR ▪ DETAIL OF CANOPY 3
S - 09 of 15	<ul style="list-style-type: none"> ▪ BEAM SCHEDULE 	
S - 10 of 15	<ul style="list-style-type: none"> ▪ TYPICAL BEAM REINFORCEMENT AT COLUMN SUPPORT ▪ TYPICAL INTERMEDIATE BEAM REINFORCEMENT AT BEAM SUPPORT ▪ TYPICAL GIRDER REINFORCEMENT ▪ TYPICAL SLAB REINFORCEMENT DETAIL 	
S - 11 of 15	<ul style="list-style-type: none"> ▪ COLUMN SCHEDULE ▪ TYPICAL COLUMN ELEVATION 	<ul style="list-style-type: none"> ▪ LINTEL BEAM DETAILS ▪ STIFFENER COLUMN DETAILS
S - 12 of 15	<ul style="list-style-type: none"> ▪ DETAIL OF 450 MM X 450 MM PSC PILES 	
S - 13 of 15	<ul style="list-style-type: none"> ▪ DETAIL OF STAIR-1 ▪ STAIR 1 GROUND FLOOR PLAN ▪ STAIR 1 SECOND FLOOR PLAN 	<ul style="list-style-type: none"> ▪ STAIR 1 THIRD FLOOR PLAN ▪ SECTION A',B',C' & D' ▪ DETAIL OF SB-1
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S - 15 of 15	<ul style="list-style-type: none"> ▪ DETAIL OF STAIR-3 ▪ STAIR 3 GROUND/SECOND FLOOR PLAN ▪ SECTION A', B', & C' 	<ul style="list-style-type: none"> ▪ DETAIL OF SB-1

ELECTRICAL

E - 01 of 10	<ul style="list-style-type: none"> ▪ GROUND FLOOR LIGHTING LAYOUT PLAN ▪ LEGEND 	
E - 02 of 10	<ul style="list-style-type: none"> ▪ SECOND FLOOR LIGHTING LAYOUT PLAN ▪ LEGEND 	
E - 03 of 10	<ul style="list-style-type: none"> ▪ THIRD FLOOR LIGHTING LAYOUT PLAN ▪ LEGEND 	
E - 04 of 10	<ul style="list-style-type: none"> ▪ GROUND FLOOR POWER LAYOUT PLAN ▪ LEGEND 	
E - 05 of 10	<ul style="list-style-type: none"> ▪ SECOND FLOOR POWER LAYOUT PLAN ▪ LEGEND 	
E - 06 of 10	<ul style="list-style-type: none"> ▪ THIRD FLOOR POWER LAYOUT PLAN ▪ LEGEND 	
E - 07 of 10	<ul style="list-style-type: none"> ▪ SCHEDULE OF LOAD 	
E - 08 of 10	<ul style="list-style-type: none"> ▪ DETAIL OF DUCTBANK ▪ DETAIL OF HANDHOLE 	<ul style="list-style-type: none"> ▪ CONCRETE PEDESTAL POST, CATV, TELEPHONE & POWER
E - 09 of 10	<ul style="list-style-type: none"> ▪ SERVICE ENTRANCE LAYOUT PLAN ▪ GENERAL NOTES 	<ul style="list-style-type: none"> ▪ LEGEND
E - 10 of 10	<ul style="list-style-type: none"> ▪ SCHEDULE OF LOAD ▪ SINGLE LINE DIAGRAM 	

LA - 01 OF 01	<ul style="list-style-type: none"> ▪ ROOF DECK LIGHTNING PROTECTION AND SOLAR POWER AVIATION LIGHT LAYOUT PLAN ▪ LEGEND
BGM/PA - 01 of 03	<ul style="list-style-type: none"> ▪ GROUND FLOOR BGM/PA LAYOUT PLAN ▪ LEGEND ▪ NOTES ▪ SINGLE LINE DIAGRAM
BGM/PA - 02 of 03	<ul style="list-style-type: none"> ▪ SECOND FLOOR BGM/PA LAYOUT PLAN ▪ LEGEND
BGM/PA - 03 of 03	<ul style="list-style-type: none"> ▪ THIRD FLOOR BGM/PA LAYOUT PLAN ▪ LEGEND
FDAS - 01 of 03	<ul style="list-style-type: none"> ▪ GROUND FLOOR FDAS LAYOUT PLAN ▪ LEGEND ▪ NOTES ▪ SINGLE LINE DIAGRAM
FDAS - 02 of 03	<ul style="list-style-type: none"> ▪ SECOND FLOOR FDAS LAYOUT PLAN ▪ LEGEND
FDAS - 03 of 03	<ul style="list-style-type: none"> ▪ THIRD FLOOR FDAS LAYOUT PLAN ▪ LEGEND
CATV - 01 of 03	<ul style="list-style-type: none"> ▪ GROUND FLOOR CATV LAYOUT PLAN ▪ LEGEND ▪ NOTES ▪ SINGLE LINE DIAGRAM
CATV - 02 of 03	<ul style="list-style-type: none"> ▪ SECOND FLOOR CATV LAYOUT PLAN ▪ LEGEND
CATV - 03 of 03	<ul style="list-style-type: none"> ▪ THIRD FLOOR CATV LAYOUT PLAN ▪ LEGEND
TEL - 01 of 04	<ul style="list-style-type: none"> ▪ GROUND FLOOR TELEPHONE LAYOUT PLAN ▪ LEGEND
TEL - 02 of 04	<ul style="list-style-type: none"> ▪ SECOND FLOOR TELEPHONE LAYOUT PLAN ▪ LEGEND
TEL - 03 of 04	<ul style="list-style-type: none"> ▪ THIRD FLOOR TELEPHONE LAYOUT PLAN ▪ LEGEND
TEL - 04 of 04	<ul style="list-style-type: none"> ▪ TELEPHONE SINGLE LINE DIAGRAM ▪ LEGEND ▪ NOTES ON TELEPHONE SYSTEM

MECHANICAL

M - 01 of 04	<ul style="list-style-type: none"> ▪ GROUND FLOOR AIR CONDITION LAYOUT PLAN ▪ LEGEND
M - 02 of 04	<ul style="list-style-type: none"> ▪ SECOND FLOOR AIR CONDITION LAYOUT PLAN ▪ LEGEND
M - 03 of 04	<ul style="list-style-type: none"> ▪ THIRD FLOOR AIR CONDITION LAYOUT PLAN ▪ LEGEND
M - 04 of 04	<ul style="list-style-type: none"> ▪ MECHANICAL EQUIPMENT SCHEDULE ▪ AIRCONDITION LAYOUT PLAN (CEILING CASSETTE TYPE AND SPLIT TYPE ACU) ▪ GENERAL NOTES

PLUMBING

P - 01 of 15	<ul style="list-style-type: none"> DETAILS OF SEPTIC TANK DETAILS OF CATCH BASIN CLEANOUT DETAILS PIPE TRENCH BEDDING DETAILS OF WATER METER 	<ul style="list-style-type: none"> GENERAL NOTES AND SPECIFICATIONS MATERIAL SPECIFICATIONS SCHEDULE OF PIPE (SEWER LINE) SCHEDULE OF PIPE (WATER LINE)
P - 02 of 15	<ul style="list-style-type: none"> SITE DEVELOPMENT PLAN BLOW-UP PLAN 	
P - 03 of 15	<ul style="list-style-type: none"> GROUND FLOOR SANITARY DRAINAGE LAYOUT PLAN 	
P - 04 of 15	<ul style="list-style-type: none"> SECOND FLOOR SANITARY DRAINAGE LAYOUT PLAN 	
P - 05 of 15	<ul style="list-style-type: none"> THIRD FLOOR SANITARY DRAINAGE LAYOUT PLAN 	
P - 06 of 15	<ul style="list-style-type: none"> SANITARY DRAINAGE ISOMETRIC LAYOUT PLAN SCHEDULE OF PIPE (SEWER LINE) LEGEND 	
P - 07 of 15	<ul style="list-style-type: none"> GROUND FLOOR WATER LINE LAYOUT PLAN 	
P - 08 of 15	<ul style="list-style-type: none"> SECOND FLOOR WATER LINE LAYOUT PLAN 	
P - 09 of 15	<ul style="list-style-type: none"> THIRD FLOOR WATER LINE LAYOUT PLAN 	
P - 10 of 15	<ul style="list-style-type: none"> WATER LINE ISOMETRIC LAYOUT PLAN DETAIL OF AIR CHAMBER SCHEDULE OF PIPE (WATER LINE) 	<ul style="list-style-type: none"> LEGENDS
P - 11 of 15	<ul style="list-style-type: none"> GROUND FLOOR STORM WATER DRAINAGE LAYOUT PLAN 	
P - 12 of 15	<ul style="list-style-type: none"> SECOND FLOOR STORM WATER DRAINAGE LAYOUT PLAN 	
P - 13 of 15	<ul style="list-style-type: none"> THIRD FLOOR STORM WATER DRAINAGE LAYOUT PLAN 	
P - 14 of 15	<ul style="list-style-type: none"> ROOF DECK FLOOR STORM WATER DRAINAGE LAYOUT PLAN 	
P - 15 of 15	<ul style="list-style-type: none"> STORM WATER DRAINAGE ISOMETRIC LAYOUT PLAN TYPICAL DETAIL OF ROOF DRAIN 	

FIRE PROTECTION

FP - 01 of 11	<ul style="list-style-type: none"> GENERAL NOTES MATERIAL SPECIFICATIONS SCHEDULE OF EQUIPMENT SCHEDULE OF PIPE SLEEVES 	<ul style="list-style-type: none"> DETAIL OF FLUSHING CONNECTION DETAIL OF PIPE HANGER DETAIL OF PIPE SLEEVE
FP - 02 of 11	<ul style="list-style-type: none"> GROUND FLOOR SPRINKLER LAYOUT 	
FP - 03 of 11	<ul style="list-style-type: none"> SECOND FLOOR SPRINKLER LAYOUT 	
FP - 04 of 11	<ul style="list-style-type: none"> THIRD FLOOR SPRINKLER LAYOUT 	
FP - 05 of 11	<ul style="list-style-type: none"> GROUND FLOOR FIRE EXTINGUISHER LAYOUT 	
FP - 06 of 11	<ul style="list-style-type: none"> SECOND FLOOR FIRE EXTINGUISHER LAYOUT 	
FP - 07 of 11	<ul style="list-style-type: none"> THIRD FLOOR FIRE EXTINGUISHER LAYOUT 	
FP - 08 of 11	<ul style="list-style-type: none"> FIRE PROTECTION SYSTEM RISER DIAGRAM FIRE PUMP ROOM BLOW-UP PLAN FIRE PUMP ROOM LONGITUDINAL SECTION 	
FP - 09 of 11	<ul style="list-style-type: none"> DETAIL OF INSPECTOR TEST CONNECTION DETAIL OF FIRE HOSE CABINET DETAIL OF ALARM CHECK VALVE ASSEMBLY (WET TYPE) DETAIL OF FIRE HOSE VALVE 	<ul style="list-style-type: none"> DETAIL OF SUPERVISORY FLOOR CONTROL VALVE ASSEMBLY DETAIL OF FIRE DEPT. INLET CONNECTION DETAIL OF ALARM MOTOR GONG
FP - 10 of 11	<ul style="list-style-type: none"> DETAIL OF ROOF MANIFOLD OUTLET (SIAMESE TWIN) SPOT DETAIL MOTOR SWITCH DETAIL PORTABLE FIRE EXTINGUISHER MOUNTING DETAIL 	<ul style="list-style-type: none"> WATERFLOW SWITCH DETAIL POSITION OF DEFLECTOR WHEN LOCATED ABOVE & BELOW OF BEAM UPRIGHT TYPE SPRINKLER HEAD DET. PENDANT TYPE SPRINKLER HEAD DETAIL
FP - 11 of 11	<ul style="list-style-type: none"> SITE DEVELOPMENT PLAN 	

PUMP HOUSE

PH - 01 of 06	<ul style="list-style-type: none"> FLOOR PLAN ROOF PLAN REFLECTED CEILING PLAN 	<ul style="list-style-type: none"> LOCATION PLAN SCHEDULE OF DOORS AND WINDOWS LEGEND
PH - 02 of 06	<ul style="list-style-type: none"> FRONT ELEVATION RIGHT SIDE ELEVATION REAR ELEVATION 	<ul style="list-style-type: none"> LEFT SIDE ELEVATION SECTION THRU X-X' SECTION THRU Z-Z'
PH - 03 of 06	<ul style="list-style-type: none"> FOUNDATION PLAN (PUMP HOUSE) GROUND FLOOR FRAMING PLAN (PUMP HOUSE) ROOF FRAMING PLAN (PUMP HOUSE) 	<ul style="list-style-type: none"> SECTION THRU Y-Y'
PH - 04 of 06	<ul style="list-style-type: none"> RETAINING WALL DETAIL DETAIL OF WALL FOOTING DETAIL OF MANHOLE COVER 	<ul style="list-style-type: none"> COLUMN SCHEDULE PUMP HOUSE BEAM SCHEDULE DETAIL OF STEP-UP
PH - 05 of 06	<ul style="list-style-type: none"> LIGHTING / POWER LAYOUT PLAN LEGEND SCHEDULE OF LOAD 	
PH - 06 of 06	<ul style="list-style-type: none"> PUMP HOUSE PLUMBING PLAN WATER SUPPLY SCHEMATIC DIAGRAM SCHEDULE OF EQUIPMENT 	<ul style="list-style-type: none"> LEGEND AND SYMBOLS NOTES

ANNEX

ANNEX - 01 OF 06	▪ GROUND FLOOR CCTV LAYOUT	ANNEX - 04 OF 06	▪ GROUND FLOOR WIRING LAYOUT
ANNEX - 02 OF 06	▪ SECOND FLOOR CCTV LAYOUT	ANNEX - 05 OF 06	▪ SECOND FLOOR WIRING LAYOUT
ANNEX - 03 OF 06	▪ THIRD FLOOR CCTV LAYOUT	ANNEX - 06 OF 06	▪ THIRD FLOOR WIRING LAYOUT

GATE

A - 01 of 05	<ul style="list-style-type: none"> • LOCATION MAP • PERSPECTIVES 	<ul style="list-style-type: none"> • TABLE OF CONTENTS • SITE DEVELOPMENT PLAN
A - 02 of 05	<ul style="list-style-type: none"> • KEY PLAN • FLOOR PLAN • FRONT ELEVATION • SIDE ELEVATION 	
A - 03 of 05	<ul style="list-style-type: none"> • ROOF DECK PLAN • REFLECTED CEILING PLAN • GATE ELEVATION • SECTION THRU A-A' • PORT SIGNAGE DETAIL 	
A - 04 of 05	<ul style="list-style-type: none"> • SHED & PEDESTRIAN GATE BLOW-UP PLAN • ROOF DECK PLAN • REFLECTED CEILING PLAN • FRONT ELEVATION • SIDE ELEVATION • GUARD HOUSE BLOW-UP PLAN • ROOF PLAN • REFLECTED CEILING PLAN 	<ul style="list-style-type: none"> • FRONT ELEVATION • REAR ELEVATION • TYP. SIDE ELEVATION • SECTION THRU X-X' • SECTION THRU Y-Y'
A - 05 of 05	<ul style="list-style-type: none"> • LANDSCAPE-A BLOW UP PLAN • ELEVATION • LANDSCAPE-B BLOW UP PLAN • ELEVATION • PPA LOGO DETAIL 	<ul style="list-style-type: none"> • SCHEDULE OF GATES • SCHEDULE OF DOORS AND WINDOWS

STRUCTURAL

S - 01 of 09	<ul style="list-style-type: none"> • GENERAL NOTES 	
S - 02 of 09	<ul style="list-style-type: none"> • GENERAL NOTES • KEY PLAN • GENERAL LAY-OUT PLAN • ICBP TYP. CROSS-SECTION 	<ul style="list-style-type: none"> • ICBP TYP. DETAIL • DETAIL OF SHEAR KEY
S - 03 of 09	<ul style="list-style-type: none"> • GENERAL NOTES • 300mm THK. PCC PAVEMENT LAY-OUT PLAN • 300mm THK. PCPP SECTION • TRANSVERSE EXPANSION JOINT • LONGITUDINAL CONSTRUCTION JOINT 	<ul style="list-style-type: none"> • TRANSVERSE CONSTRUCTION JOINT • SAWED JOINT • CURB & GUTTER DETAIL • SIDEWALK SLAB DETAIL
S - 04 of 09	<ul style="list-style-type: none"> • PERIMETER FENCE - A & B FOUNDATION PLAN • SC-1/F-3A ELEVATION • SC-1/F-3 SECTION • WF-3 SECTION • SC-1 DETAIL 	<ul style="list-style-type: none"> • F-3 & F-3A DETAIL • S-04 SECTION A • RETAINING WALL DETAIL
S - 05 of 09	<ul style="list-style-type: none"> • GATE, GUARD HOUSE & SHED FOUNDATION PLAN • CF-1 DETAIL • CF-2 DETAIL • CF-3 DETAIL 	<ul style="list-style-type: none"> • FOOTING SCHEDULE • FOOTING TIE BEAM SCHEDULE

S - 06 of 09	<ul style="list-style-type: none"> COLUMN SCHEDULE C-1 ELEVATION C-1A ELEVATION C-2 ELEVATION C-3 ELEVATION 	
S - 07 of 09	<ul style="list-style-type: none"> WALL FOOTING & SOG PLAN EL. +03.20m FRAMING PLAN EL. +04.525m FRAMING PLAN EL. +05.80m FRAMING PLAN EL. +06.80m FRAMING PLAN TRELLIS-A FRAMING PLAN TYP. DETAIL OF SOG 	<ul style="list-style-type: none"> WF-1 & WF-2 DETAIL S-07 SECTION A & B
S - 08 of 09	<ul style="list-style-type: none"> BEAM SCHEDULE TYP. 1-WAY SLAB REINFORCEMENT DETAIL TYP. 2-WAY SLAB REINFORCEMENT DETAIL SLAB SCHEDULE CORNER SLAB DETAIL 	<ul style="list-style-type: none"> SECTION C PARAPET WALL DETAIL
S - 09 of 09	<ul style="list-style-type: none"> TRELLIS-A ELEVATION TRELLIS-B ELEVATION G-13 SECTION A TO C LANDSCAPE-A FOUNDATION PLAN LANDSCAPE-B FOUNDATION PLAN 	

ELECTRICAL

E - 01 of 01	<ul style="list-style-type: none"> FLOOR PLAN LIGHTING LAYOUT PLAN LEGEND SHED & PEDESTRIAN GATE LIGHTING 	<ul style="list-style-type: none"> LAYOUT PLAN GATE LIGHTNING PROTECTION LAYOUT PLAN SCHEDULE OF LOAD RISER DIAGRAM
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PLUMBING

P - 01 of 01	<ul style="list-style-type: none"> STORMWATER DRAINAGE LAYOUT PLAN ROOF PLAN ISOMETRIC STORM WATER DRAINAGE LAYOUT PLAN 	<ul style="list-style-type: none"> TYPICAL DETAIL OF ROOF DRAIN GENERAL NOTES AND SPECIFICATIONS MATERIAL SPECIFICATIONS DETAILS OF CATCH BASIN
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ANNEX

ANNEX - 01 of 02	<ul style="list-style-type: none"> CCTV LAYOUT
ANNEX - 02 of 02	<ul style="list-style-type: none"> WIRING LAYOUT

SECTION VIII

BILL OF QUANTITIES
and
ATTACHMENTS

BID SUMMARY
PORT OF CALAPAN IMPROVEMENT PROJECT
 Port of Calapan, Oriental Mindoro

NO.	DESCRIPTION OF WORK	AMOUNT (Pesos)
BILL NO. 1	GENERAL EXPENSES	
BILL NO. 2	CONSTRUCTION OF POB EXTENSION	
BILL NO. 3	CONSTRUCTION OF PTB ANNEX BUILDING	
BILL NO. 4	CONSTRUCTION OF LEB	
BILL NO. 5	CONSTRUCTION OF NEW GATE	
BILL NO. 6	REIMBURSABLE ITEMS	
TOTAL BID PRICE		

 Name of Firm

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

 Date

BILL OF QUANTITIES
PORT OF CALAPAN IMPROVEMENT PROJECT
 Port of Calapan, Oriental Mindoro



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	Rental of temporary site office and residence for the Engineer and staff	mo.	24		
1.03	Maintain temporary site office and residence for the Engineer and staff	mo.	24		
1.04	Provide Construction Safety and Health Program in the execution of the project including stringent Covid-19 protocols per Engineering circular No. 01-2020, and Construction Guidelines for Project Implementation during the period of Public Health Emergency, approved by PDCB and CIAP (as indicated in the Bid Documents)	mo.	24		
TOTAL FOR BILL NO. 1					

Name of Bidder/Authorized Representative
 Signatory's Legal Capacity

BILL OF QUANTITIES
PORT OF CALAPAN IMPROVEMENT PROJECT
Port of Calapan, Oriental Mindoro



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	2 CONSTRUCTION OF POB EXTENSION				
2.01	Remove existing structures and pavement including disposal and turning over of recovered materials with value to PPA authority	lot	1		
2.02	Scrape existing gravel base course up to required elevation	sq.m.	505		
2.03	Subgrade preparation	sq.m.	378		
2.04	Excavate existing fill	cu.m.	500		
2.05	Supply and apply soil treatment	sq.m.	378		
2.06	Supply, place and compact gravel bedding	cu.m.	69		
2.07	Supply and deliver to site 450mm x 450mm PSC piles	l.m.	432		
2.08	Handle, pitch and drive PSC piles	l.m.	432		
2.09	Cutting of driven piles up to required elevation including disposal of debris	no.	36		
2.10	Supply and place lean concrete	cu.m.	3		
2.11	Supply & place 4,000 psi. concrete for building structure, septic vault, catch basin, pump house, hand hole and duct bank	cu.m.	754		

Name of Bidder/Authorized Representative
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BILL OF QUANTITIES
PORT OF CALAPAN IMPROVEMENT PROJECT
Port of Calapan, Oriental Mindoro



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
2.12	Supply & install steel reinforcements for building structure, septic vault, catch basin, pump house, hand hole and duct bank	kg.	156,270		
2.13	Construct 4,000 psi. concrete slab on grade, step-ups, and ramps including steel reinforcements	sq.m.	390		
2.14	Construct 150mm thick CHB wall including steel reinforcements	sq.m.	1,418		
2.15	Construct 100mm thick CHB wall including steel reinforcements	sq.m.	557		
2.16	Supply, fabricate and install structural steel materials including accessories	kg.	24,111		
2.17	Supply, deliver and install 0.60mm thick PPGL pre-painted hi-rib main roofing, single metal with 25mm thick UPI board including roof gutter, flashing, ridge roll and accessories	sq.m.	751		
2.18	Supply and install dry wall partition	sq.m.	343		
2.19	Supply and place 13mm thick cement plaster finish	sq.m.	2,034		
2.20	Supply and apply paint for concrete and dry-wall surfaces (2-coats)	sq.m.	7,991		
2.21	Supply and apply paint for wood and metal surfaces (2-coats)	sq.m.	315		
2.22	Supply and apply waterproofing coating	sq.m.	1,209		
2.23	Supply and install aluminum composite panel and accessories	sq.m.	975		

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BILL OF QUANTITIES
PORT OF CALAPAN IMPROVEMENT PROJECT
Port of Calapan, Oriental Mindoro



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
2.24	Supply and install floor and wall finishes/tiles of various types and sizes	lot	1		
2.25	Supply and install quartz stone including splash board and countertop	sq.m.	34		
2.26	Supply and install photoluminescent signs & path marking for emergency route including its accessories	lot	1		
2.27	Supply and install mineral fiber acoustical lay-in panel on galvanized steel exposed grid and framing finish with low sheen white enamel paint (1.20m x 0.60m x 19mm)	sq.m.	456		
2.28	Supply and install mineral fiber acoustical lay-in panel on galvanized steel exposed grid and framing finish with low sheen white enamel paint (0.60m x 0.60m x 19mm)	sq.m.	281		
2.29	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	sq.m.	2,002		
2.30	Supply and install 0.40mm thick pre-formed & pre-painted rib-type spandrel metal ceiling	sq.m.	242		
2.31	Supply, fabricate and install aluminum and stainless steel materials for ladder, glass railings, ramp handrails, grab rails and other accessories	lot	1		
2.32	Supply and install fabricated aluminum framed glass doors and windows, glass curtain wall and glass partitions including accessories	lot	1		
2.33	Supply and install fabricated cold rolled steel emergency exit doors with panic bar lock including jambs and accessories	lot.	1		

Name of Bidder/Authorized Representative
Signatory's Legal Capacity

BILL OF QUANTITIES
PORT OF CALAPAN IMPROVEMENT PROJECT
Port of Calapan, Oriental Mindoro



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
2.34	Supply and install fabricated marine plywood finish flush doors door jambs, hinges and locksets	lot	1		
2.35	Supply and install PVC door with vent louver and lever-type lockset including accessories	lot	1		
2.36	Supply and install 12mm thick fixed frameless tempered clear glass partition with frosted window film in powder coated aluminum channel	lot	1		
2.37	Supply, fabricate and install 10mm thick tempered frosted glass doors and partitions including accessories	lot	1		
2.38	Supply and install toilet fixtures and accessories	lot	1		
2.39	Supply and install water line pipes and fittings including accessories.	lot	1		
2.40	Supply and install sewerage pipes and fittings including accessories.	lot	1		
2.41	Supply and install drainage pipes and fittings including accessories	lot	1		
2.42	Supply, deliver and install wires and cables of various sizes	lot	1		
2.43	Supply, deliver and install conduit pipe including fittings of various sizes	lot	1		
2.44	Supply, deliver and install wiring devices	lot	1		
2.45	Supply, deliver and install protective devices	lot	1		
2.46	Supply, deliver and install lighting fixtures	lot	1		

Name of Bidder/Authorized Representative
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BILL OF QUANTITIES
PORT OF CALAPAN IMPROVEMENT PROJECT
Port of Calapan, Oriental Mindoro



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
2.47	Supply, deliver and install lightning protection and accessories	lot	1		
2.48	Supply, deliver and install auxiliary system:				
	a) Community Antenna Television (CATV)	lot	1		
	b) Background Music/Paging Alarm (BGM/PA)	lot	1		
	c) Fire Detection Alarm System (FDAS)	lot	1		
	d) Telephone System	lot	1		
2.49	Supply, deliver and install airconditioning unit	lot	1		
2.50	Supply, spread and compact aggregate base course	cu.m.	51		
2.51	Construct portland cement concrete pavement, 300mm thick	sq.m.	254		
2.52	Supply and deliver/fabricate/install office fumitures and hanging & side cabinets	lot	1		
2.53	Supply and install PPA logo including accessories	lot	1		
2.54	Supply, deliver & installation of distribution transformer including accessories and other incidental expenses	lot	1		
2.55	Supply and install fire protection system including testing, commisioning, fire extinguishers & other accessories	lot	1		
2.56	Construct cylone wire fence	lot	1		
TOTAL FOR BILL NO. 2					

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BILL OF QUANTITIES
PORT OF CALAPAN IMPROVEMENT PROJECT
Port of Calapan, Oriental Mindoro



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 3	CONSTRUCTION OF PTB ANNEX BUILDING				
3.01	Remove existing structures and pavement including disposal and turning over of recovered materials with value to PPA authority	lot	1		
3.02	Scrape existing gravel base course up to required elevation	sq.m.	1,478		
3.03	Subgrade preparation	sq.m.	1,478		
3.04	Excavate existing fill	cu.m.	800		
3.05	Supply and apply soil treatment	sq.m.	1,478		
3.06	Supply, place and compact gravel bedding	cu.m.	129		
3.07	Supply & place 4,000 psi. concrete for building structure, septic vault, catch basin, pump house, pedestal post, ductbank and handhole	cu.m.	508		
3.08	Supply & install steel reinforcements for building structure, septic vault, catch basin, pump house, pedestal post, ductbank and handhole	kg.	97,848		
3.09	Construct 4,000 psi. concrete slab on grade, step-ups, and ramps including reinforcement	sq.m.	862		
3.10	Construct 150mm thick CHB wall including steel reinforcements	sq.m.	1,039		
3.11	Construct 100mm thick CHB wall including steel reinforcements	sq.m.	47		

Name of Bidder/Authorized Representative
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BILL OF QUANTITIES
PORT OF CALAPAN IMPROVEMENT PROJECT
Port of Calapan, Oriental Mindoro



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
3.12	Supply, fabricate and install structural steel materials including accessories	kg.	3,305		
3.13	Supply and install dry wall partition	sq.m.	63		
3.14	Supply and place 13mm thick cement plaster finish	sq.m.	1,742		
3.15	Supply and apply paint for concrete and dry-wall surfaces (2-coats)	sq.m.	1,379		
3.16	Supply and apply paint for wood and metal surfaces (2-coats)	sq.m.	88		
3.17	Supply and apply waterproofing coating	sq.m.	1,319		
3.18	Supply and install aluminum composite panel and accessories	sq.m.	277		
3.19	Supply and install floor and wall finishes/tiles of various types and sizes	lot	1		
3.20	Supply and install granite tile including splash board and countertop	sq.m.	15		
3.21	Supply and install photoluminescent signs & path marking for emergency route including its accessories	lot	1		
3.22	Supply and install aluminum clip-in perforated panel including accessories (1.20 x 0.60 x 0.0007m)	sq.m.	552		
3.23	Supply and install aluminum clip-in perforated panel including accessories (0.60 x 0.60 x 0.0007m)	sq.m.	70		

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BILL OF QUANTITIES
PORT OF CALAPAN IMPROVEMENT PROJECT
Port of Calapan, Oriental Mindoro



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
3.24	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	sq.m.	73		
3.25	Supply, fabricate and install aluminum and stainless steel materials for ladder, glass railings, ramp handrails, grab rails and other accessories	lot	1		
3.26	Supply and install fabricated aluminum framed and frameless glass doors and windows, glass curtain wall and glass partitions including accessories	lot	1		
3.27	Supply and install fabricated cold rolled steel emergency exit doors with panic bar lock including jambs and accessories	lot.	1		
3.28	Supply and install fabricated marine plywood finish flush doors door jambs, hinges and locksets	lot	1		
3.29	Supply, fabricate and install phenolic anti-bacterial waterproof toilet partition 20mm thk, including stainless hinges, lock indicators, bottom support door knobs and coat hooks	lot	1		
3.30	Supply, fabricate and install polycarbonate solid sheet including accessories	lot	1		
3.31	Supply and install green wall system including miscellaneous accessories	sq.m.	23		
3.32	Supply and install toilet fixtures and accessories	lot	1		
3.33	Supply and install water line pipes and fittings including accessories.	lot	1		

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
3.34	Supply and install sewerage pipes and fittings including accessories.	lot	1		
3.35	Supply and install drainage pipes and fittings including accessories	lot	1		
3.36	Supply, deliver and install wires and cables of various sizes	lot	1		
3.37	Supply, deliver and install conduit pipe including fittings of various sizes	lot	1		
3.38	Supply, deliver and install wiring devices	lot	1		
3.39	Supply, deliver and install protective devices	lot	1		
3.40	Supply, deliver and install lighting fixtures	lot	1		
3.41	Supply, deliver and install lightning protection and accessories	lot	1		
3.42	Supply, deliver and install auxiliary system:				
	a) Community Antenna Television (CATV)	lot	1		
	b) Background Music/Paging Alarm (BGM/PA)	lot	1		
	c) Fire Detection Alarm System (FDAS)	lot	1		
	d) Telephone System	lot	1		
3.43	Supply, deliver and install airconditioning unit	lot	1		
3.44	Supply, spread and compact aggregate base course	cu.m.	114		
3.45	Construct portland cement concrete pavement, 300mm thick	sq.m.	569		

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
3.46	Supply and deliver gang chairs	lot	1		
3.47	Supply and deliver office furnitures	lot	1		
3.48	Supply and install PPA logo including accessories	lot	1		
3.49	Supply, deliver & installation of distribution transformer including accessories and other incidental expenses	lot	1		
3.50	Supply and install fire protection system including testing, commisioning, fire extinguishers & other accessories	lot	1		
TOTAL FOR BILL NO. 3					

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	4 CONSTRUCTION OF LEB				
4.01	Subgrade preparation	sq.m.	1,049		
4.02	Excavate existing fill	cu.m.	1,121		
4.03	Supply and deliver to site 450mm x 450mm PSC Piles	l.m.	1,037		
4.04	Handle, pitch and drive 450mm x 450mm PSC piles	l.m.	1,037		
4.05	Cut/chip and dispose newly driven PSC piles up to required elevation	no.	61		
4.06	Supply and apply soil treatment	sq.m.	1,049		
4.07	Supply, place and compact gravel bedding	cu.m.	139		
4.08	Supply, place and compact aggregate subbase course	cu.m.	123		
4.09	Supply and place lean concrete for pile caps	cu.m.	6		
4.10	Supply & place 4,000 psi. concrete for building structure, septic tank, catch basin and pump house	cu.m.	889		
4.11	Supply & install steel reinforcements for building structure, septic tank catch basin and pump house	kg.	209,178		

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
4.12	Construct 4,000 psi. concrete slab on grade, step-ups, and ramps including reinforcement	sq.m.	950		
4.13	Construct 150mm thick CHB wall including steel reinforcements	sq.m.	2,551		
4.14	Construct 100mm thick CHB wall including steel reinforcements	sq.m.	599		
4.15	Supply and install dry wall partition	sq.m.	184		
4.16	Supply and place 13mm thick cement plaster finish	sq.m.	7,951		
4.17	Supply and apply paint for concrete and dry-wall surfaces (2-coats)	sq.m.	7,777		
4.18	Supply and apply paint for wood and metal surfaces (2-coats)	sq.m.	333		
4.19	Supply and apply waterproofing coating	sq.m.	1,096		
4.20	Supply and install aluminum composite panel and accessories	sq.m.	262		
4.21	Supply and install floor and wall finishes/tiles of various types and sizes	lot	1		
4.22	Supply and install granite tile including splash board and countertop	sq.m.	24		
4.23	Supply and install photoluminescent signs & path marking for emergency route including its accessories	lot	1		
4.24	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	sq.m.	959		

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
4.25	Supply and install aluminum clip-in perforated panel including accessories (0.60 x 0.60 x 0.0007m)	sq.m.	534		
4.26	Supply and install 50mm X 100mm PVC baffle ceiling with 90mm Spacing and other miscellaneous items	sq.m.	46		
4.27	Supply, fabricate and install stainless steel materials such as glass railings, ramp handrails, grab rails and other accessories	lot	1		
4.28	Supply and install fabricated aluminum framed and frameless glass doors and windows, glass curtain wall and glass partitions including accessories	lot	1		
4.29	Supply and install fabricated cold rolled steel emergency exit doors and prison doors and windows including jambs and accessories	lot.	1		
4.30	Supply and install fabricated marine plywood finish flush doors door jambs, hinges and locksets	lot	1		
4.31	Supply, fabricate and install partitions for toilet and shower	lot	1		
4.32	Supply and install toilet fixtures and accessories	lot	1		
4.33	Supply and install water line pipes and fittings including accessories.	lot	1		
4.34	Supply and install sewerage pipes and fittings including accessories.	lot	1		
4.35	Supply and install drainage pipes and fittings including accessories	lot	1		

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
4.36	Supply, deliver and install wires and cables of various sizes	lot	1		
4.37	Supply, deliver and install conduit pipe including fittings of various sizes	lot	1		
4.38	Supply, deliver and install wiring devices	lot	1		
4.39	Supply, deliver and install protective devices	lot	1		
4.40	Supply, deliver and install lighting fixtures	lot	1		
4.41	Supply, deliver and install lightning protection and accessories	lot	1		
4.42	Supply, deliver and install auxiliary system:				
	a) Community Antenna Television (CATV)	lot	1		
	b) Background Music/Paging Alarm (BGM/PA)	lot	1		
	c) Fire Detection Alarm System (FDAS)	lot	1		
	d) Telephone System	lot	1		
4.43	Supply, deliver and install airconditioning unit	lot	1		
4.44	Supply and deliver office furnitures	lot	1		
4.45	Supply and install PPA logo including accessories	lot	1		
4.46	Supply, deliver & installation of distribution transformer including accessories and other incidental expenses	lot	1		

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
4.47	Supply and install fire protection system including testing, commissioning & other accessories	lot	1		
4.48	Construct Wastewater Treatment Plant	lot	1		
TOTAL FOR BILL NO. 4					

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 5	CONSTRUCTION OF NEW GATE				
5.01	Remove existing structures and pavement including disposal and turning over of recovered materials with value to PPA authority	lot	1		
5.02	Scrape existing gravel base course up to required elevation	sq.m.	310		
5.03	Subgrade preparation	sq.m.	1,184		
5.04	Excavate existing fill	cu.m.	435		
5.05	Supply and apply soil treatment	sq.m.	111		
5.06	Supply, place and compact gravel bedding	cu.m.	23		
5.07	Supply & place 4,000 psi. concrete for gate, rc curb, catch basin and CHB fence	cu.m.	120		
5.08	Supply & install steel reinforcements for gate, rc curb, catch basin and CHB fence	kg.	20,779		
5.09	Supply, fabricate and install structural steel materials for trellis and gate including accessories and metal corrosion protection	lot	1		
5.10	Supply and place 50-100kg/pc. core rocks	cu.m.	29		
5.11	Supply 500 kg/pc. armour rocks	cu.m.	21		

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
5.12	Supply and install geotextile filter	sq.m.	31		
5.13	Supply and place sand and gravel fill	cu.m.	30		
5.14	Supply, spread and compact aggregate subbase course	cu.m.	20		
5.15	Supply, spread and compact aggregate base course	cu.m.	217		
5.16	Supply and place 150mm thk. cement-treated based course	cu.m.	9		
5.17	Supply and place 50mm thk. leveling course sand cushion	cu.m.	3		
5.18	Supply and install interlocking concrete block pavement	cu.m.	58		
5.19	Construct 300mm thk. portland cement concrete pavement	sq.m.	1,086		
5.20	Construct 4,000 psi. concrete slab on grade, curbs, and gutter including reinforcement	sq.m.	77		
5.21	Construct 150mm thick CHB wall including steel reinforcements	sq.m.	140		
5.22	Construct 100mm thick CHB wall including steel reinforcements	sq.m.	27		

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
5.23	Supply and place 13mm thick cement plaster finish	sq.m.	805		
5.24	Supply and apply paint for concrete (2-coats)	sq.m.	483		
5.25	Supply and apply waterproofing	sq.m.	181		
5.26	Supply and install aluminum composite panel and accessories	sq.m.	136		
5.27	Supply and install floor and wall finishes/tiles of various types and sizes	lot	1		
5.28	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	sq.m.	6		
5.29	Supply and install pre-painted ribbed type metal spandrel ceiling	sq.m.	116		
5.30	Supply, fabricate and install galvanized and stainless steel materials such as railings and other accessories	lot	1		
5.31	Supply and install fabricated aluminum framed glass doors and windows including accessories	lot	1		
5.32	Supply and install drainage pipes and fittings including accessories	lot	1		
5.33	Supply, deliver and install electrical wires, devices, lighting and accessories	lot	1		

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
5.34	Supply and deliver office furnitures	lot	1		
5.35	Supply and install PPA logo including accessories	lot	1		
5.36	Supply, fabricate and install automatic vehicle barrier	lot	1		
TOTAL FOR BILL NO. 5					

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NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 6	REIMBURSABLE ITEMS				
6.01	Provide reimbursable items necessary in the implementation of the project as determined by the Authority				
	a) Office furnitures and appliances	lot	1		
	b) Computers and Accessories	lot	1		
TOTAL FOR BILL NO. 4					

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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, demobilization and cleaning

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 Rental of temporary site office and residence for the Engineer and staff

The quantity to be paid for shall be the actual rental of site office and residence for the engineer and staff and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary for the provision of temporary site office and residence for the engineer and staff.

Item 1.03 Maintain temporary site office and residence for the Engineer and staff

The quantity to be paid for shall be the actual services rendered in maintaining the site office 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 maintenance of the temporary site office and residence as well as other expenses such as provision for electric power, telephone bill, potable water supply, janitorial and security services.

Item 1.04 Provide construction safety and Health Program in the execution of the project including stringent Covid-19 protocols per PPA Engineering Circular No. 01-2020 and, construction guidelines for the project implementation during the period of public health emergency approved by PDCB and CIAP (as indicated in the bid documents)

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

CONSTRUCTION OF POB EXTENSION

Item 2.01 Remove existing structures and pavement including disposal and turning over of recovered materials with value to PPA authority

The quantity to be paid for shall be the actual lot of portion of existing structures and pavement to be removed including disposal and turning over of recovered materials with value to PPA authority 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 Scrape existing gravel base course up to required elevation

The quantity to be paid for shall be the actual area in square meter of existing gravel base course to be scraped 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 Subgrade preparation

The quantity to be paid for shall be the actual area in square meter of subgrade preparation 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 Excavate existing fill

The quantity to be paid for shall be the actual volume in cubic meter of existing fill to be excavated 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 Supply and apply soil treatment

The quantity to be paid for shall be the actual area in square meter of soil treatment, supplied and applied 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 Supply, place and compact gravel bedding

The quantity to be paid for shall be the actual volume in cubic meter of gravel bedding to be supplied, set-in-place and compacted 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 Supply and deliver to site 450mm x 450mm PSC piles

The quantity to be paid for shall be the actual length in linear meter of PSC piles (450mm x 450mm), supplied and delivered to site 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 Handle, pitch and drive PSC piles

The quantity to be paid for shall be the actual length in linear meter of PSC piles, handled, pitched and driven in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation and accepted by the Engineers. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary to complete the work.

Item 2.09 Cutting of driven piles up to required elevation including disposal of debris

The quantity to be paid for shall be the actual number of driven piles, cut off up to required elevation including disposal of debris 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 2.10 Supply and place lean concrete

The quantity to be paid for shall be the actual volume in cubic meter of lean concrete to be supplied and set-in-place 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 2.11 Supply and place 4,000 psi concrete for building structure, septic vault, catch basin, pump house, hand hole and duct bank

The quantity to be paid for shall be the actual volume in cubic meter of 4,000 psi concrete for building structure, septic vault, catch basin, pump house, hand hole and duct bank to be supplied and set-in-place 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 2.12 Supply and install steel reinforcement for building structure, septic vault, catch basin, pump house, hand hole and duct bank

The quantity to be paid for shall be the actual weight in kilogram of reinforcing steel bars for building structure, septic vault, catch basin, pump house, hand hole and duct bank to be supplied and 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.

Item 2.13 Construct 4,000 psi. concrete slab on grade, step-ups and ramps including steel reinforcements

The quantity to be paid for shall be the actual area in square meter of 4,000 psi. concrete slab on grade, step-ups and ramps including steel reinforcements, constructed 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 2.14 Construct 150mm thick CHB wall including steel reinforcement

The quantity to be paid for shall be the actual area in square meter of 150mm thick CHB wall including steel reinforcement, constructed 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 2.15 Construct 100mm thick CHB wall including steel reinforcement

The quantity to be paid for shall be the actual area in square meter of 100mm thick CHB wall including steel reinforcement, constructed 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 2.16 Supply, fabricate and install structural steel materials including accessories

The quantity to be paid for shall be the actual weight in kilogram structural steel materials to be supplied, fabricated and 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.

Item 2.17 Supply, deliver and install 0.60mm thick PPGL pre-painted hi-rib main roofing, single metal with 25mm thick UPI board including roof gutter, flashing, ridge roll and accessories

The quantity to be paid for shall be the actual lot of 0.60mm thick PPGL pre-painted hi-rib main roofing, single metal with 25mm thick UPI board including roof gutter, flashing, ridge roll and accessories to be supplied, delivered and 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.

Item 2.18 Supply and install dry wall partition

The quantity to be paid for shall be the actual area in square meter of dry wall partition, supplied and 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.

Item 2.19 Supply and place 13mm thick cement plaster finish

The quantity to be paid for shall be the actual area in square meter of 13mm thick cement plaster finish, supplied and set-in-place 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 2.20 Supply and apply paint for concrete and dry-wall surfaces (2-coats)

The quantity to be paid for shall be the actual area in square meter of paint for concrete and dry-wall surfaces (2-coats), supplied and applied 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 2.21 Supply and apply paint for wood and metal surfaces (2-coats)

The quantity to be paid for shall be the actual area in square meter of paint for wood and metal surfaces (2-coats), supplied and applied 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 2.22 Supply and apply water proofing coating

The quantity to be paid for shall be the actual area in square meter of water proofing coating, supplied and applied 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 2.23 Supply and install aluminum composite panel and accessories

The quantity to be paid for shall be the actual area in square meter of aluminum composite panel and accessories, supplied and 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.

Item 2.24 Supply and install floor and wall finishes/tiles of various types and sizes

The quantity to be paid for shall be the actual lot of floor and wall finishes/tiles of various types and sizes to be supplied and 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.

Item 2.25 Supply and install quartz stone including splash board and countertop

The quantity to be paid for shall be the actual area in square meter of quartz stone including splash board and countertop, supplied and 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.

Item 2.26 Supply and install photoluminescent signs and path marking for emergency route including its accessories

The quantity to be paid for shall be the actual lot of photoluminescent signs and path marking for emergency route including its accessories to be supplied and 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.

- Item 2.27 Supply and install mineral fiber acoustical lay-in panel on galvanized steel exposed grid and framing finish with low sheen white enamel paint (1.20m x 0.60m x 19mm)**

The quantity to be paid for shall be the actual area in square meter of mineral fiber acoustical lay-in panel on galvanized steel exposed grid and framing finish with low sheen white enamel paint (1.20m x 0.60m x 19mm), supplied and 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.

- Item 2.28 Supply and install mineral fiber acoustical lay-in panel on galvanized steel exposed grid and framing finish with low sheen white enamel paint (0.60m x 0.60m x 19mm)**

The quantity to be paid for shall be the actual area in square meter of mineral fiber acoustical lay-in panel on galvanized steel exposed grid and framing finish with low sheen white enamel paint (0.60m x 0.60m x 19mm), supplied and 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.

- Item 2.29 Supply and install 12mm thick Gypsum board painted on 0.40mm thick galvanized steel ceiling suspension system including furring, carrying channel, suspension rod and other miscellaneous items**

The quantity to be paid for shall be the actual area in square meter of 12mm thick Gypsum board painted on 0.40mm thick galvanized steel ceiling suspension system including furring, carrying channel, suspension rod and other miscellaneous items, supplied and 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.

- Item 2.30 Supply and install 0.40mm thick pre-formed and pre-painted rib-type spandrel metal ceiling**

The quantity to be paid for shall be the actual area in square meter of 0.40mm thick pre-formed and pre-painted rib-type spandrel metal ceiling to be supplied and 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.

- Item 2.31 Supply, fabricate and install aluminum and stainless steel materials for ladder, glass railings, ramp handrails, grab rails and other accessories**

The quantity to be paid for shall be the actual lot of aluminum and stainless steel materials for ladder, glass railings, ramp handrails, grab rails and other accessories to be supplied, fabricated and 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.

Item 2.32 Supply and install fabricated aluminum framed glass doors and windows, glass curtain wall and glass partitions including accessories

The quantity to be paid for shall be the actual lot of fabricated aluminum framed glass doors and windows, glass curtain wall and glass partitions including accessories to be supplied and 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.

Item 2.33 Supply and install fabricated cold rolled steel emergency exit doors with panic bar lock including jambs and accessories

The quantity to be paid for shall be the actual lot of fabricated cold rolled steel emergency exit doors with panic bar lock including jambs and accessories to be supplied and 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.

Item 2.34 Supply and install fabricated marine plywood finish flush doors, door jambs, hinges and locksets

The quantity to be paid for shall be the actual lot of fabricated marine plywood finish flush doors, door jambs, hinges and locksets to be supplied and 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.

Item 2.35 Supply and install PVC door with vent louver and lever-type lockset including accessories

The quantity to be paid for shall be the actual lot of PVC door with vent louver and lever-type lockset including accessories to be supplied and 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.

Item 2.36 Supply and install 12mm thick fixed frameless tempered clear glass partition with frosted window film in powder coated aluminum channel

The quantity to be paid for shall be the actual lot of 12mm thick fixed frameless tempered clear glass partition with frosted window film in powder coated aluminum channel to be supplied and 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.

Item 2.37 Supply, fabricate and install 10mm thick tempered frosted glass doors and partitions including accessories

The quantity to be paid for shall be the actual lot of 10mm thick tempered frosted glass doors and partitions including accessories to be supplied, fabricated and 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.

Item 2.38 Supply and install Toilet Fixtures and accessories

The quantity to be paid for shall be the actual lot of Toilet Fixtures and accessories, supplied and 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.

Item 2.39 Supply and install water line pipes and fittings including accessories

The quantity to be paid for shall be the actual lot of water line pipes and fittings including accessories, supplied and 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.

Item 2.40 Supply and install sewerage pipes and fittings including accessories

The quantity to be paid for shall be the actual lot of sewerage pipes and fittings including accessories, supplied and 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.

Item 2.41 Supply and install drainage pipes and fittings including accessories

The quantity to be paid for shall be the actual lot of drainage pipes and fittings including accessories, supplied and 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.

Item 2.42 Supply, deliver and install wires and cables of various sizes

The quantity to be paid for shall be the actual lot of wires and cables of various sizes to be supplied, delivered and 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.

Item 2.43 Supply, deliver and install conduit pipe including fittings of various sizes

The quantity to be paid for shall be the actual lot of conduit pipe including fittings of various sizes to be supplied, delivered and 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.

Item 2.44 Supply, deliver and install wiring devices

The quantity to be paid for shall be the actual lot of wiring devices to be supplied, delivered and 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.

Item 2.45 Supply, deliver and install protective devices

The quantity to be paid for shall be the actual lot of protective devices to be supplied, delivered and 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.

Item 2.46 Supply, deliver and install lighting fixtures

The quantity to be paid for shall be the actual lot of lighting fixtures to be supplied, delivered and 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.

Item 2.47 Supply, deliver and install lightning protection and accessories

The quantity to be paid for shall be the actual lot of lightning protection and accessories to be supplied, delivered and 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.

Item 2.48 Supply, deliver and install auxiliary system:

- a) Community Antenna Television (CATV)
- b) Background Music / Paging Alarm (BGM/PA)
- c) Fire Detection Alarm System (FDAS)
- d) Telephone System

The quantity to be paid for shall be the actual lot of auxiliary system to be supplied, delivered and 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.

Item 2.49 Supply, deliver and install air conditioning unit

The quantity to be paid for shall be the actual lot of air conditioning unit to be supplied, delivered and 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.

Item 2.50 Supply, spread and compact aggregate base course

The quantity to be paid for shall be the actual volume in cubic meter of aggregate base course to be supplied, spread and compacted 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 2.51 Construct Portland cement concrete pavement (300mm thk)

The quantity to be paid for shall be the actual area in square meter of Portland cement concrete pavement (300mm thk) 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 2.52 Supply and deliver/fabricate/install office furniture and hanging and side cabinets

The quantity to be paid for shall be the actual lot of office furniture and hanging and side cabinets to be supplied and delivered/fabricated/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.

Item 2.53 Supply and install PPA logo including accessories

The quantity to be paid for shall be the actual lot of PPA logo including accessories to be supplied and 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.

Item 2.54 Supply, delivery and installation of distribution transformer including accessories and incidental expenses

The quantity to be paid for shall be the actual lot of distribution transformer including accessories and incidental expenses to be supplied, delivered, installed and commissioned 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 2.55 Supply and install fire protection system including testing, commissioning, fire extinguishers and other accessories

The quantity to be paid for shall be the actual lot of fire protection system including testing, commissioning, fire extinguishers and other accessories to be supplied and 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.

Item 2.56 Construct cyclone wire fence

The quantity to be paid for shall be the actual lot of cyclone wire fence to be constructed 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

CONSTRUCTION OF PTB ANNEX BUILDING

Item 3.01 Remove existing structures and pavement including disposal and turning over of recovered materials with value to PPA authority

The quantity to be paid for shall be the actual lot of portion of existing structures and pavement to be removed including disposal and turning over of recovered materials with value to PPA authority 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 3.02 Scrape existing gravel base course up to required elevation

The quantity to be paid for shall be the actual area in square meter of existing gravel base course to be scraped 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 3.03 Subgrade preparation

The quantity to be paid for shall be the actual area in square meter of subgrade preparation 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 3.04 Excavate existing fill

The quantity to be paid for shall be the actual volume in cubic meter of existing fill to be excavated 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 3.05 Supply and apply soil treatment

The quantity to be paid for shall be the actual area in square meter of soil treatment, supplied and applied 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 3.06 Supply, place and compact gravel bedding

The quantity to be paid for shall be the actual volume in cubic meter of gravel bedding to be supplied, set-in-place and compacted 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 3.07 Supply and place 4,000 psi concrete for building structure, septic vault, catch basin, pump house, pedestal post, duct bank and hand hole

The quantity to be paid for shall be the actual volume in cubic meter of 4,000 psi concrete for building structure, septic vault, catch basin, pump house, pedestal post, duct bank and hand hole to be supplied and set-in-place 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 3.08 Supply and install steel reinforcement for building structure, septic vault, catch basin, pump house, pedestal post, duct bank and hand hole

The quantity to be paid for shall be the actual weight in kilogram of reinforcing steel bars for building structure, septic vault, catch basin, pump house, pedestal post, duct bank and hand hole to be supplied and 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.

Item 3.09 Construct 4,000 psi. concrete slab on grade, step-ups and ramps including reinforcements

The quantity to be paid for shall be the actual area in square meter of 4,000 psi. concrete slab on grade, step-ups and ramps including reinforcements, constructed 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 3.10 Construct 150mm thick CHB wall including steel reinforcement

The quantity to be paid for shall be the actual area in square meter of 150mm thick CHB wall including steel reinforcement, constructed 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 3.11 Construct 100mm thick CHB wall including steel reinforcement

The quantity to be paid for shall be the actual area in square meter of 100mm thick CHB wall including steel reinforcement, constructed 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 3.12 Supply, fabricate and install structural steel materials including accessories

The quantity to be paid for shall be the actual weight in kilogram structural steel materials to be supplied, fabricated and 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.

Item 3.13 Supply and install dry wall partition

The quantity to be paid for shall be the actual area in square meter of dry wall partition, supplied and 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.

Item 3.14 Supply and place 13mm thick cement plaster finish

The quantity to be paid for shall be the actual area in square meter of 13mm thick cement plaster finish, supplied and set-in-place 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 3.15 Supply and apply paint for concrete and dry-wall surfaces (2-coats)

The quantity to be paid for shall be the actual area in square meter of paint for concrete and dry-wall surfaces (2-coats), supplied and applied 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 3.16 Supply and apply paint for wood and metal surfaces (2-coats)

The quantity to be paid for shall be the actual area in square meter of paint for wood and metal surfaces (2-coats), supplied and applied 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 3.17 Supply and apply water proofing coating

The quantity to be paid for shall be the actual area in square meter of water proofing coating, supplied and applied 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 3.18 Supply and install aluminum composite panel and accessories

The quantity to be paid for shall be the actual area in square meter of aluminum composite panel and accessories, supplied and 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.

Item 3.19 Supply and install floor and wall finishes/tiles of various types and sizes

The quantity to be paid for shall be the actual lot of floor and wall finishes/tiles of various types and sizes to be supplied and 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.\

Item 3.20 Supply and install granite tile including splash board and countertop

The quantity to be paid for shall be the actual area in square meter of Granite tile including splash board and countertop, supplied and 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.

Item 3.21 Supply and install photoluminescent signs and path marking for emergency route including its accessories

The quantity to be paid for shall be the actual lot of photoluminescent signs and path marking for emergency route including its accessories to be supplied and 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.

Item 3.22 Supply and install Aluminum Clip-in Perforated Panel including accessories (1.20 x 0.60 x 0.0007m)

The quantity to be paid for shall be the actual area in square meter of aluminum clip-in perforated panel including accessories (1.20 x 0.60 x 0.0007m), supplied and 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.

Item 3.23 Supply and install Aluminum Clip-in Perforated Panel including accessories (0.60 x 0.60 x 0.0007m)

The quantity to be paid for shall be the actual area in square meter of aluminum clip-in perforated panel including accessories (0.60 x 0.60 x 0.0007m), supplied and 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.

Item 3.24 Supply and install 12mm thick Gypsum board painted on 0.40mm thick galvanized steel ceiling suspension system including furring, carrying channel, suspension rod and other miscellaneous items

The quantity to be paid for shall be the actual area in square meter of 12mm thick Gypsum board painted on 0.40mm thick galvanized steel ceiling suspension system including furring, carrying channel, suspension rod and other miscellaneous items, supplied and 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.

Item 3.25 Supply, fabricate and install aluminum and stainless steel materials for ladder, glass railings, ramp handrails, grab rails and other accessories

The quantity to be paid for shall be the actual lot of aluminum and stainless steel materials for ladder, glass railings, ramp handrails, grab rails and other accessories to be supplied, fabricated and 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.

Item 3.26 Supply and install fabricated aluminum framed and frameless glass doors and windows, glass curtain wall and glass partitions including accessories

The quantity to be paid for shall be the actual lot of fabricated aluminum framed and frameless glass doors and windows, glass curtain wall and glass partitions including accessories to be supplied and 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.

Item 3.27 Supply and install fabricated cold rolled steel emergency exit doors with panic bar lock including jambs and accessories

The quantity to be paid for shall be the actual lot of fabricated cold rolled steel emergency exit doors with panic bar lock including jambs and accessories to be supplied and 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.

Item 3.28 Supply and install fabricated marine plywood finish flush doors, door jambs, hinges and locksets

The quantity to be paid for shall be the actual lot of fabricated marine plywood finish flush doors, door jambs, hinges and locksets to be supplied and 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.

Item 3.29 Supply, fabricate and install phenolic anti-bacterial water proof toilet partition 20mm thk, including stainless hinges, lock indicators, bottom support door knobs and coat hooks

The quantity to be paid for shall be the actual lot of phenolic anti-bacterial water proof toilet partition 20mm thick, including stainless hinges, lock indicators, bottom support door knobs and coat hooks to be supplied, fabricated and 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.

Item 3.30 Supply, fabricate and install solid polycarbonate solid sheet including accessories

The quantity to be paid for shall be the actual lot of solid polycarbonate solid sheet including accessories to be supplied, fabricated and 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.

Item 3.31 Supply and install green wall system including miscellaneous accessories

The quantity to be paid for shall be the actual area in square meter of green wall system including miscellaneous accessories to be supplied and 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.

Item 3.32 Supply and install Toilet Fixtures and accessories

The quantity to be paid for shall be the actual lot of Toilet Fixtures and accessories, supplied and 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.

Item 3.33 Supply and install water line pipes and fittings including accessories

The quantity to be paid for shall be the actual lot of water line pipes and fittings including accessories, supplied and 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.

Item 3.34 Supply and install sewerage pipes and fittings including accessories

The quantity to be paid for shall be the actual lot of sewerage pipes and fittings including accessories, supplied and 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.

Item 3.35 Supply and install drainage pipes and fittings including accessories

The quantity to be paid for shall be the actual lot of drainage pipes and fittings including accessories, supplied and 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.

Item 3.36 Supply, deliver and install wires and cables of various sizes

The quantity to be paid for shall be the actual lot of wires and cables of various sizes to be supplied, delivered and 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.

Item 3.37 Supply, deliver and install conduit pipe including fittings of various sizes

The quantity to be paid for shall be the actual lot of conduit pipe including fittings of various sizes to be supplied, delivered and 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.

Item 3.38 Supply, deliver and install wiring devices

The quantity to be paid for shall be the actual lot of wiring devices to be supplied, delivered and 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.

Item 3.39 Supply, deliver and install protective devices

The quantity to be paid for shall be the actual lot of protective devices to be supplied, delivered and 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.

Item 3.40 Supply, deliver and install lighting fixtures

The quantity to be paid for shall be the actual lot of lighting fixtures to be supplied, delivered and 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.

Item 3.41 Supply, deliver and install lightning protection and accessories

The quantity to be paid for shall be the actual lot of lightning protection and accessories to be supplied, delivered and 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.

Item 3.42 Supply, deliver and install auxiliary system:

- a) Community Antenna Television (CATV)
- b) Background Music / Paging Alarm (BGM/PA)
- c) Fire Detection Alarm System (FDAS)
- d) Telephone System

The quantity to be paid for shall be the actual lot of auxiliary system to be supplied, delivered and 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.

Item 3.43 Supply, deliver and install air conditioning unit

The quantity to be paid for shall be the actual lot of air conditioning unit to be supplied, delivered and 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.

Item 3.44 Supply, spread and compact aggregate base course

The quantity to be paid for shall be the actual volume in cubic meter of aggregate base course to be supplied, spread and compacted 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 3.45 Construct Portland cement concrete pavement (300mm thk)

The quantity to be paid for shall be the actual area in square meter of Portland cement concrete pavement (300mm thk) 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 3.46 Supply and deliver gang chairs

The quantity to be paid for shall be the actual lot of gang chairs to be supplied and delivered 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 3.47 Supply and deliver office furniture

The quantity to be paid for shall be the actual lot of office furniture to be supplied and delivered 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 3.48 Supply and install PPA logo including accessories

The quantity to be paid for shall be the actual lot of PPA logo including accessories to be supplied and 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.

Item 3.49 Supply, delivery and installation of distribution transformer including accessories and incidental expenses

The quantity to be paid for shall be the actual lot of distribution transformer including accessories and incidental expenses to be supplied, delivered, installed and commissioned 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 3.50 Supply and install fire protection system including testing, commissioning, fire extinguishers and other accessories

The quantity to be paid for shall be the actual lot of fire protection system including testing, commissioning, fire extinguishers and other accessories to be supplied and 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. 4

CONSTRUCTION OF LEB

Item 4.01 Subgrade preparation

The quantity to be paid for shall be the actual area in square meter of subgrade preparation 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 4.02 Excavate existing fill

The quantity to be paid for shall be the actual volume in cubic meter of existing fill to be excavated 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 4.03 Supply and deliver to site 450mm x 450mm PSC piles

The quantity to be paid for shall be the actual length in linear meter of PSC piles (450mm x 450mm), supplied and delivered to site 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 4.04 Handle, pitch and drive 450mm x 450mm PSC piles

The quantity to be paid for shall be the actual length in linear meter of 450mm x 450mm PSC piles, handled, pitched and driven in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation and accepted by the Engineers. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary to complete the work.

Item 4.05 Cut/chip and dispose newly driven PSC piles up to required elevation

The quantity to be paid for shall be the actual number of newly driven PSC piles, chipped/cut off up to required elevation 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 4.06 Supply and apply soil treatment

The quantity to be paid for shall be the actual area in square meter of soil treatment, supplied and applied 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 4.07 Supply, place and compact gravel bedding

The quantity to be paid for shall be the actual volume in cubic meter of gravel bedding to be supplied, set-in-place and compacted 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 4.08 Supply, spread and compact aggregate subbase course

The quantity to be paid for shall be the actual volume in cubic meter of aggregate subbase course to be supplied, spread and compacted 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 4.09 Supply and place lean concrete for pile caps

The quantity to be paid for shall be the actual volume in cubic meter of lean concrete to be supplied and set-in-place 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 4.10 Supply and place 4,000 psi concrete for building structure, septic tank, catch basin and pump house

The quantity to be paid for shall be the actual volume in cubic meter of 4,000 psi concrete for building structure, septic tank, catch basin and pump house to be supplied and set-in-place 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 4.11 Supply and install steel reinforcement for building structure, septic tank, catch basin and pump house

The quantity to be paid for shall be the actual weight in kilogram of reinforcing steel bars for building structure, septic tank, catch basin and pump house to be supplied and 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.

Item 4.12 Construct 4,000 psi. concrete slab on grade, step-ups and ramps including reinforcements

The quantity to be paid for shall be the actual area in square meter of 4,000 psi. concrete slab on grade, step-ups and ramps including reinforcements, constructed 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 4.13 Construct 150mm thick CHB wall including steel reinforcement

The quantity to be paid for shall be the actual area in square meter of 150mm thick CHB wall including steel reinforcement, constructed 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 4.14 Construct 100mm thick CHB wall including steel reinforcement

The quantity to be paid for shall be the actual area in square meter of 100mm thick CHB wall including steel reinforcement, constructed 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 4.15 Supply and install dry wall partition

The quantity to be paid for shall be the actual area in square meter of dry wall partition, supplied and 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.

Item 4.16 Supply and place 13mm thick cement plaster finish

The quantity to be paid for shall be the actual area in square meter of 13mm thick cement plaster finish, supplied and set-in-place 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 4.17 Supply and apply paint for concrete and dry-wall surfaces (2-coats)

The quantity to be paid for shall be the actual area in square meter of paint for concrete and dry-wall surfaces (2-coats), supplied and applied 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 4.18 Supply and apply paint for wood and metal surfaces (2-coats)

The quantity to be paid for shall be the actual area in square meter of paint for wood and metal surfaces (2-coats), supplied and applied 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 4.19 Supply and apply water proofing coating

The quantity to be paid for shall be the actual area in square meter of water proofing coating, supplied and applied 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 4.20 Supply and install aluminum composite panel and accessories

The quantity to be paid for shall be the actual area in square meter of aluminum composite panel and accessories, supplied and 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.

Item 4.21 Supply and install floor and wall finishes/tiles of various types and sizes

The quantity to be paid for shall be the actual lot of floor and wall finishes/tiles of various types and sizes to be supplied and 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.

Item 4.22 Supply and install granite tile including splash board and countertop

The quantity to be paid for shall be the actual area in square meter of Granite tile including splash board and countertop, supplied and 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.

Item 4.23 Supply and Install photoluminescent signs and path marking for emergency route including its accessories

The quantity to be paid for shall be the actual lot of photoluminescent signs and path marking for emergency route including its accessories to be supplied and installed in